

| 発行年  | 教員名            | 著者                                                                                                                                                                                                                                                                                 | 題名                                                                                                                                                                                                         | 雑誌名                                      | 巻・ページ            | doi                            | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------|--------------------------------|-------|----------|----|------|---------|--------|
| 2023 | 二瓶             | Kae Horio, Ken-ichi Nihei                                                                                                                                                                                                                                                          | Total synthesis of (-)-ribesin B and its structural revision                                                                                                                                               | Tetrahedron Letters                      | 114:154285       | 10.1016/j.tetlet.2022.154285   | ○     |          |    |      |         |        |
| 2023 | 煉谷<br>西川<br>夏秋 | Kobayashi M, Mashiko T, Willisani F, Hartono S, Nishigawa H, Natsuaki T, Neriya Y                                                                                                                                                                                                  | Development of a RT-LAMP assay for real-time detection of criniviruses infecting tomato                                                                                                                    | Journal of Virological Methods           | 312:114642       | 10.1016/j.jviromet.2022.114662 | ○     |          |    |      |         |        |
| 2022 | 達沢<br>園田       | Mikawa Y, Aizawa M, Mori K, Toyama M, Sonoda S                                                                                                                                                                                                                                     | Molecular verification of commercialized <i>Neoseiulus californicus</i> (McGregor) settlement before spider mite appearance in a Japanese pear orchard                                                     | Systemic and Applied Acarology           | 27:2403-2413     | 10.11158/saa.27.12.3           | ○     |          |    |      |         |        |
| 2022 | 池田             | Takaya Ishii, Miki Suto, Natsuki Suzuki, Hiroki Ikeda                                                                                                                                                                                                                              | Growth and gene expression related to bulb development and day-length responses in onion cultivars during overwinter cultivation                                                                           | The Horticulture Journal                 | 91: 514-521      | 10.2503/hortj.UTD-343          | ○     |          |    | ○    |         |        |
| 2022 | 池田<br>謝        | Haruna Yada, Chihiro Matsumoto, Xiaonan Xie, Kazuhisa Kato, Hiroki Ikeda                                                                                                                                                                                                           | Physiological investigation of quantitative traits for fruit mass assessment using a tomato introgression line                                                                                             | The Horticulture Journal                 | 91: 221-228      | 10.2503/hortj.utd-356          | ○     |          |    | ○    |         |        |
| 2022 | 児玉             | Shintaro Ichikawa, Shota Kato, Yuta Fujii, Kazuya Ishikawa, Keiji Numata, Yutaka Kodama                                                                                                                                                                                            | Organelar Glue: A Molecular Tool to Artificially Control Chloroplast–Chloroplast Interactions                                                                                                              | ACS Synth. Biol                          | 3190-3197        | 10.1021/acssynbio.2c00367      | ○     |          |    |      |         |        |
| 2022 | 児玉             | Tatsushi Fukushima, Yutaka Kodama                                                                                                                                                                                                                                                  | Selection of a histidine auxotrophic <i>Marchantia polymorpha</i> strain with an auxotrophic selective marker                                                                                              | Plant Biotechnol                         | -                | -                              | ○     |          |    |      |         |        |
| 2022 | 児玉             | Simon Sau Yin Law, Geoffrey Liou, Yukiko Nagai, Joan Giménez-Dejor, Ayaka Tateishi, Kousuke Tsuchiya, Yutaka Kodama, Tsuyohiko Fujigaya, Keiji Numata                                                                                                                              | Polymer-coated carbon nanotube hybrids with functional peptides for gene delivery into plant mitochondria                                                                                                  | Nature Communications                    | 13(1):2417       | 10.1038/s41467-022-30185-y     | ○     |          |    |      |         |        |
| 2022 | 児玉             | Kazuya Ishikawa, Ryota Konno, Satoyuki Hirano, Yuta Fujii, Masayuki Fujiwara, Yoichiro Fukao, Yutaka Kodama                                                                                                                                                                        | The endoplasmic reticulum membrane-bending protein RETICULON facilitates chloroplast relocation movement in <i>Marchantia polymorpha</i>                                                                   | Plant J                                  | 111:205-216      | 10.1111/tpj.15787              | ○     |          |    |      |         |        |
| 2022 | 児玉             | Satoyuki Hirano, Kotoko Sasaki, Yasuhide Osaki, Kyoka Tahara, Hitomi Takahashi, Atsushi Takemiya, Yutaka Kodama                                                                                                                                                                    | The localization of phototropin to the plasma membrane defines a cold-sensing compartment in <i>Marchantia polymorpha</i>                                                                                  | PNAS Nexus                               | 1(2):030         | 10.1093/pnasnexus/pgac030      | ○     |          |    |      |         |        |
| 2022 | 児玉             | Minoru Noguchi, Yutaka Kodama                                                                                                                                                                                                                                                      | Temperature Sensing in Plants: On the Dawn of Molecular Thermosensor Research                                                                                                                              | Plant & Cell Physiology                  | 63:737-743       | 10.1093/pcp/pcac033            | ○     |          |    |      |         |        |
| 2022 | 児玉             | Chonprakun Thagun, Yoko Horii, Maai Mori, Seiya Fujita, Misato Ohtani, Kousuke Tsuchiya, Yutaka Kodama, Masaki Odahara#, Keiji Numata                                                                                                                                              | Non-transgenic Gene Modulation <i>via</i> Spray Delivery of Nucleic Acid/Peptide Complexes into Plant Nuclei and Chloroplasts                                                                              | ACS Nano                                 | 16:3506-3521     | 10.1021/acsnano.1c07723        | ○     |          |    |      |         |        |
| 2022 | 児玉             | Takaaki Miyamoto, Kiminori Toyooka, Jo-Ann Chuah, Masaki Odahara, Mieko Higuchi-Takeuchi, Yumi Goto, Yoko Motoda, Takanori Kigawa, Yutaka Kodama, Keiji Numata                                                                                                                     | A Synthetic Multidomain Peptide That Drives a Macropinocytosis-Like Mechanism for Cytosolic Transport of Exogenous Proteins into Plants                                                                    | JACS Au                                  | 2:223-233        | 10.1021/jacsau.1c00504         | ○     |          |    |      |         |        |
| 2022 | 謝              | Hinako Miura, Ryota Ochi, Hisashi Nishiwaki, Satoshi Yamauchi, Xiaonan Xie, Hidemitsu Nakamura, Koichi Yoneyama, Kaori Yoneyama                                                                                                                                                    | Germination Stimulant Activity of Isothiocyanates on <i>Phelipanche</i> spp                                                                                                                                | Plants (Basel, Switzerland)              | 11(5):606        | 10.3390/plants11050606         |       | ○        |    |      |         |        |
| 2022 | 謝<br>諸星        | Tomohiro Morohoshi, Naoka Yabe, Naoya Yaguchi, Xiaonan Xie, Nobutaka Someya                                                                                                                                                                                                        | Regulation of phenazine-1-carboxamide production by quorum sensing in type strains of <i>Pseudomonas chlororaphis</i> subsp. <i>chlororaphis</i> and <i>Pseudomonas chlororaphis</i> subsp. <i>Piscium</i> | Journal of bioscience and bioengineering | 133(6):541-546   | 10.1016/j.jbiosc.2022.03.00    |       | ○        |    |      |         |        |
| 2022 | 謝<br>野村        | Kodama K, Rich M.K, Yoda A, Shimazaki S, Xie X, Akiyama K, Mizuno Y, Komatsu A, Luo Y, Suzuki H, Kameoka H, Libourel C, Keller J, Sakakibara K, Nishiyama T, Nakagawa T, Mashiguchi K, Uchida K, Yoneyama K, Tanaka Y, Yamaguchi S, Shimamura M, Delaux P.-M, Nomura T, Kyoizuka J | An Ancestral Function of Strigolactones as Symbiotic Rhizosphere Signals                                                                                                                                   | Nature Commun                            | 13:3974          | 10.1038/s41467-022-31708-3     | ○     | ○        |    | ○    |         |        |
| 2022 | 謝<br>野村        | Yoneyama K, Xie X, Nomura T, Yoneyama K, Bennett T                                                                                                                                                                                                                                 | Supra-organismal regulation of strigolactone exudation and plant development in response to rhizospheric cues in rice                                                                                      | Curr. Biol                               | 32: 3601-3608.e3 | 10.1016/j.cub.2022.06.047      |       | ○        |    | ○    |         |        |

| 発行年  | 教員名            | 著者                                                                                                                                                                                                                                                                              | 題名                                                                                                                                                                                                                               | 雑誌名                                                | 巻・ページ              | doi                            | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------|--------------------------------|-------|----------|----|------|---------|--------|
| 2022 | 鈴木             | Ito A, Choi J-H, Yokoyama-Maruyama W, Kotajima M, Wu J, Suzuki T, Terashima Y Suzuki H, Hirai H, Nelson D-C, Tsunematsu Y, Watanabe K, Asakawa T, Ouchi H, Inai M, Dohra H, Kawagishi H.                                                                                        | 1,2,3-Triazine formation mechanism of the fairy chemical 2-azahypoxanthine in the fairy ring-forming fungus <i>Lepista sordida</i>                                                                                               | Organic & Biomolecular Chemistry                   | 13:2636-2642       | 10.1039/D2OB00328G             | ○     |          |    |      |         |        |
| 2022 | 鈴木             | Choi J-H, Suzuki T, Ono A, Kotajima M, Tanaka Y, Suzuki T, Kawagishi H, Dohra H.                                                                                                                                                                                                | The complete mitochondrial genome sequence of the fairy ring-forming fungus <i>Lepista sordida</i>                                                                                                                               | Mitochondrial DNA Part B                           | 7, 712-714         | 10.1080/23802359.2022.2067496  | ○     |          |    |      |         |        |
| 2022 | 鈴木<br>宮川<br>金野 | Ono A, Suzuki T, Takeshima Y, Kashiwa T, Motoyama T, Choi JH, Sato C, Konno N, Miyakawa H, Ogata M, Hirai H, Dohra H, Osada H, Kawagishi H                                                                                                                                      | CmLec4, a lectin from the fungus <i>Cordyceps militaris</i> , controls host infection and fruiting body formation                                                                                                                | International Journal of Biological Macromolecules | 215:303-311        | 10.1016/j.ijbiomac.2022.06.106 | ○     |          |    |      |         |        |
| 2022 | 園田             | Sonoda S, Kagawa K, Furui Y, Nakada K, Koyama M, Toda S, Sugiura N, Nakamura S, Sueyoshi M, Mita T, Toyama M                                                                                                                                                                    | Mutual complementarity among diverse pollinator species as underlying mechanism of insect-pollinated open pollination in Japanese pear orchards                                                                                  | Journal of Applied Entomology                      | 146:498-510        | 10.1111/jen.12967              | ○     |          |    |      |         |        |
| 2022 | 田村             | Masatsugu Tamura, Kanae Hoshi, Takahiro Saito, Yoshimasa Sasahara                                                                                                                                                                                                               | <i>In vitro</i> starch digestion of cooked rice grain following addition of various vegetable oils                                                                                                                               | Japan Agricultural Research Quarterly              | 56-3:561-267       | 10.6090/jarq.56.261            | ○     |          |    |      |         |        |
| 2022 | 二瓶             | Wakana Ishioka, Ken-ichi Nihei                                                                                                                                                                                                                                                  | Chemical synthesis and tyrosinase inhibitory activity of resorcinol alkyl glucosides, hydroxyalkyl resorcinols, and alkyl resorcinols                                                                                            | Journal of Molecular Structure                     | 1268:133668-133668 | 10.1016/j.molstruc.2022.133668 | ○     |          |    |      |         |        |
| 2022 | 二瓶             | Hiroki Satooka, Ken-ichi Nihei, Isao Kubo                                                                                                                                                                                                                                       | Intracellular oxidation of methyl <i>p</i> -coumarate is involved in anti-melanogenic and cytotoxic activities against melanoma cells                                                                                            | Phytochemistry Letters                             | 50:89-94           | 10.1016/j.phytol.2022.05.014   | ○     |          |    |      |         |        |
| 2022 | 煉谷<br>西川<br>夏秋 | Fukushima C, Wang W.Q, Neriya Y, Natsuaki T, Nishigawa H                                                                                                                                                                                                                        | First report of fluorescent protein-expressing furovirus in barley and wheat                                                                                                                                                     | Journal of General Plant Pathology                 | 88:383-385         | 10.1007/s10327-022-01095-0     | ○     |          |    |      |         |        |
| 2022 | 煉谷<br>西川<br>夏秋 | Kuroiwa M, Handa S, Kumagai N, Hatsushiba E, Gyoutoke Y, Moriyama M, Neriya Y, Nishigawa H, Natsuaki T                                                                                                                                                                          | Characterization of a ToMV isolate overcoming <i>Tm-22</i> resistance gene in tomato                                                                                                                                             | Virus Genes                                        | 58:478-482         | 2022                           | ○     |          |    |      |         |        |
| 2022 | 野村             | Ito S, Braguy J, Wang JY, Yoda A, Fiorilli V, Takahashi I, Jamil M, Felemban A, Miyazaki S, Mazzarella T, Chen G.E, Shinozawa A, Balakrishna A, Berqdar L, Rajan C, Ali S, Haider I, Sasaki Y, Yajima S, Akiyama K, Lanfranco L, Zurbruggen M.D, Nomura T, Asami T, Al-Babili S | Canonical strigolactones are not the major determinant of tillering but important rhizospheric signals in rice                                                                                                                   | Science Adv                                        | 8(44): eadd1278    | 10.1126/sciadv.add1278         | ○     | ○        |    | ○    |         |        |
| 2022 | 野村             | Yata A, Nosaki S, Yoda A, Nomura T, Miura K                                                                                                                                                                                                                                     | Production and stably maintenance of strigolactone by transient expression of biosynthetic enzymes in <i>Nicotiana benthamiana</i>                                                                                               | Front. Plant Sci                                   | 13:1027004         | 10.3389/fpls.2022.1027004      |       | ○        |    | ○    |         |        |
| 2022 | 野村             | Kusajima M, Fujita M, Soudthelath K, Nakamura H, Yoneyama K, Nomura T, Akiyama K, Maruyama-Nakashita A, Asami T, Nakashita H                                                                                                                                                    | Strigolactones modulate salicylic acid-mediated disease resistance in <i>Arabidopsis thaliana</i>                                                                                                                                | Int. J. Mol. Sci                                   | 23:5246            | 10.3390/ijms23095246           |       | ○        |    | ○    |         |        |
| 2022 | 野村             | Kyozuka J, Nomura T, Shimamura M                                                                                                                                                                                                                                                | Origins and evolution of the dual functions of strigolactones as rhizosphere signaling molecules and plant hormones                                                                                                              | Curr. Opin. Plant. Biol                            | 65:102154          | 10.1016/j.pbi.2021.102154      |       | ○        |    | ○    |         |        |
| 2022 | 福井             | Masaharu Takahashi, Akira Nishizono, Manri Kawakami, Emiko Fukui, Emiko Isogai, Hiroyuki Matsuoka, Seigo Yamamoto, Hitoshi Mizuo, Shigeo Nagashima, Kazumoto Murata, Hiroaki Okamoto                                                                                            | Identification of hepatitis E virus in wild sika deer in Japan                                                                                                                                                                   | Virus Resaerch                                     | 308:198645         | 10.1016/j.virusres.2021.198645 | ○     |          |    |      |         |        |
| 2022 | 福井             | Nishizawa T, Takahashi M, Matsuoka H, Nishizono A, Yamamoto S, Fukui E, Mizuo H, Kawakami M, Murata K, Okamoto H                                                                                                                                                                | Genomic characterization and the prevalence of a novel copiparvovirus in wild sika deer ( <i>Cervus nippon</i> ) in Japan                                                                                                        | Virus Resaerch                                     | 314:198749         | 10.1016/j.virusres.2022.198749 | ○     |          |    |      | ○       |        |
| 2022 | 福井<br>達沢       | Morishima K, Fukui E, Aizawa M                                                                                                                                                                                                                                                  | Concordant genetic structures of sika deer and Japanese land leeches suggest that the current range expansion of <i>Haemadipsa japonica</i> is dependent on sika deer migration: a case study from the Tochigi Prefecture, Japan | Ecological Research                                | 38(1): 200-210     | 10.1111/1440-1703.12366        | ○     |          |    |      |         |        |

| 発行年  | 教員名                        | 著者                                                                                                                                                                                                                                                                                                           | 題名                                                                                                                                                                                                                             | 雑誌名                                                   | 巻・ページ               | doi                              | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------|----------------------------------|-------|----------|----|------|---------|--------|
| 2022 | 福井<br>吉澤<br>松本             | Sato Y, Kawashima K, Fukui E, Matsumoto H, Yoshizawa F, Sato Y                                                                                                                                                                                                                                               | Functional analysis reveals that Tinagl1 is required for normal muscle development in mice through the activation of ERK signaling                                                                                             | BBA-Molecular Cell Research                           | 1869(9):119294      | 10.1016/j.bbamcr.2022.119294     | ○     |          | ○  |      |         |        |
| 2022 | 前田                         | Byamba T, Hasegawa K, Maeda I                                                                                                                                                                                                                                                                                | Removal of Pb (II) from aqueous solution by a pectin-producing alga, <i>Penium margaritaceum</i> , immobilized on filter paper                                                                                                 | Microbiology Research                                 | 13(4):1007-1017     | 10.3390/microbiolres13040073     | ○     |          |    |      |         |        |
| 2022 | 松田<br>岩波<br>鈴木             | Iwanami N, Ozaki Y, Sakaguchi H, Watanabe Y, Meng Q, Matsumoto K, Suzuki T, Hitomi K, Matsuda M.                                                                                                                                                                                                             | Evolutionarily conserved role of hps1 in melanin production and blood coagulation in medaka fish                                                                                                                               | Genes, Genomes, Genetics                              | 12(10):jkac204      | 10.1093/g3journal/jkac204        | ○     |          |    |      | ○       |        |
| 2022 | 水重                         | Uchida K, Fujitani M, Mizushige T, Kawabata F, Hayamizu K, Uozumi K, Hara Y, Sawai M, Uehigashi R, Okada S, Goto-Inoue N, Morisasa M, Kishida T                                                                                                                                                              | Dietary Alaska Pollack Protein Induces Acute and Sustainable Skeletal Muscle Hypertrophy in Rats                                                                                                                               | Nutrients                                             | 14(3):547           | 10.3390/nu14030547               | ○     |          | ○  |      |         |        |
| 2022 | 水重                         | Fujitani M, Mizushige T, Adhikari S, Bhattarai K, Kishida T                                                                                                                                                                                                                                                  | Mechanism of Soy Isoflavone Daidzein-Induced Female-Specific Anorectic Effect. Metabolites                                                                                                                                     | Metabolites                                           | 12(3):252           | 10.3390/metabo12030252           | ○     |          | ○  |      |         |        |
| 2022 | 宮川<br>児玉                   | Ichikawa S, Ishikawa K, Miyakawa H, Kodama Y                                                                                                                                                                                                                                                                 | Live-cell imaging of the chloroplast outer envelope membrane using fluorescent dyes                                                                                                                                            | Plant Direct                                          | -                   | -                                | ○     |          |    |      |         |        |
| 2022 | 宮川                         | Takahata Y, Miyakawa H                                                                                                                                                                                                                                                                                       | Developmental staging of sexual egg formation in <i>Daphnia pulex</i> : unmated females resorb meiotic oocytes to resist starvation                                                                                            | Zoological Science                                    | 39(5):407-412       | 10.2108/zs220010                 | ○     |          |    |      |         |        |
| 2022 | 矢ヶ崎                        | Christo J. F. Muller, Elizabeth Joubert, Niresni Chellan, Yutaka Miura, Kazumi Yagasaki                                                                                                                                                                                                                      | New Insights into the Efficacy of Aspalathin and Other Related Phytochemicals in Type 2 Diabetes—A Review                                                                                                                      | Int. J. Mol. Sci.                                     | 23(1):356           | 10.3390/ijms23010356             | ○     |          | ○  |      |         |        |
| 2022 | 矢ヶ崎                        | Kazumi Yagasaki, Christo J. F. Muller                                                                                                                                                                                                                                                                        | The Effect of Phytochemicals and Food Bioactive Compounds on Diabetes                                                                                                                                                          | Int. J. Mol. Sci.                                     | 23(14):7765         | 10.3390/ijms23147765             | ○     |          | ○  |      |         |        |
| 2021 | 逢沢                         | Aizawa M                                                                                                                                                                                                                                                                                                     | An overlooked tree species, <i>Micromela calocarpa</i> (Rehder) M. Aizawa (Rosaceae), from central Japan                                                                                                                       | Acta Phytotaxonomica et Geobotanica                   | 72:23-42            | 10.18942/apg.202007              | ○     |          |    |      |         |        |
| 2021 | 逢沢<br>飯塚                   | Aizawa M, Maekawa K, Mochizuki H, Iizuka K                                                                                                                                                                                                                                                                   | Taxonomic revision of <i>Quercus serrata</i> subsp. <i>Mongolicoides</i>                                                                                                                                                       | Acta Phytotaxonomica et Geobotanica                   | 72:113-123          | 10.18942/apg.202017              | ○     |          |    |      |         |        |
| 2021 | 逢沢                         | Aizawa M, Worth JRP                                                                                                                                                                                                                                                                                          | Phylogenetic origin of two Japanese <i>Torreya</i> taxa found in two regions with strongly contrasting snow depth                                                                                                              | Journal of Plant Research                             | 134:907-919         | 10.1007/s10265-021-01301-8       | ○     |          |    |      |         |        |
| 2021 | 青山                         | Aoyama M, Shioya M, Tsukamoto Y, Hasegawa H, Sugita S                                                                                                                                                                                                                                                        | The effects of cisplatin, an emetic agent, on behavior and plasma cortisol levels in goats                                                                                                                                     | Anim. Sci. J                                          | 92(1):e13607        | 10.1111/asj.13607                |       |          |    |      |         | ○      |
| 2021 | 芋川                         | Shuko Terazawa, Mariko Takada, Yoriko Sato, Hiroaki Nakajima, Genji Imokawa                                                                                                                                                                                                                                  | The Attenuated Secretion of Hyaluronan by UVA-Exposed Human Fibroblasts Is Associated with Up- and Downregulation of HYBID and HAS2 Expression via Activated and Inactivated Signaling of the p38/ATF2 and JAK2/STAT3 Cascades | Int J Mol Sci                                         | 22(4):2057          | 10.3390/ijms22042057             | ○     |          |    |      |         |        |
| 2021 | 岡本                         | Yusuke Toda, Akito Kaga, Hiromi Kajiya-Kanegae, Tomohiro Hattori, Shuhei Yamaoka, Masanori Okamoto, Hisashi Tsujimoto, Hiroyoshi Iwata                                                                                                                                                                       | Genomic prediction modeling of soybean biomass using UAV-based remote sensing and longitudinal model parameters                                                                                                                | The Plant Genome                                      | 14(3):e20157        | 10.1002/tpg2.20157               | ○     | ○        |    |      |         |        |
| 2021 | 岡本                         | Aditya S. Vaidya, Francis C. Peterson, James Eckhardt, Zenan Xing, View ORCID Profile Sang-Youl Park, Wim Dejonghe, View ORCID Profile Jun Takeuchi, Oded Pri-Tal, Julianna Faria, Dezi Elzinga, Brian F. Volkman, Yasushi Todoroki, Assaf Mosquana, View ORCID Profile Masanori Okamoto, and Sean R. Cutler | Click-to-lead design of a picomolar ABA receptor antagonist with potent activity in vivo                                                                                                                                       | PNAS                                                  | 118(38):e2108281118 | 10.1073/pnas.2108281118          | ○     | ○        |    |      |         |        |
| 2021 | 北村<br>飯郷<br>黒倉<br>山根<br>前田 | Rika Kitamura, Toshinori Kozaki, Kazuo Ishii, Masayuki Iigo, Takeshi Kurokura, Kenji Yamane, Isamu Maeda, Kazunori Iwabuchi, Takahiro Saito                                                                                                                                                                  | Utilizing Cattle Manure Compost Increases Ammonia Monooxygenase A Gene Expression and Ammonia-oxidizing Activity of Both Bacteria and Archaea in Biofiltration Media for Ammonia Deodorization                                 | Microbes and Environments                             | 336:2               | 10.1264/jsme2.ME20148            | ○     |          |    |      |         |        |
| 2021 | 児玉                         | Shota Katoa, Yamato Takahashi, Yuta Fujii, Kotoko Sasaki, Satoyuki Hirano, Koji Okajima, Yutaka Kodama                                                                                                                                                                                                       | The photo-thermochemical properties and functions of <i>Marchantia</i> phototropin encoded by an unduplicated gene in land plant evolution                                                                                     | Journal of Photochemistry and Photobiology B: Biology | 224:112305          | 10.1016/j.jphotobiol.2021.112305 | ○     |          |    |      |         |        |

| 発行年  | 教員名      | 著者                                                                                                                                                                                                                                                                             | 題名                                                                                                                                                                                           | 雑誌名                                                                               | 巻・ページ                 | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2021 | 児玉       | Hitomi Takahashi, Yutaka Kodama                                                                                                                                                                                                                                                | Culture-based preservation of <i>Marchantia polymorpha</i> gemmalings and thalli without encapsulation, drying, or freezing                                                                  | Plant Biotechnology                                                               | 38:449-452            | 10.5511/plantbiotechnology.21.0902a | ○     |          |    |      |         |        |
| 2021 | 児玉       | Ken Yokawa, Yutaka Kodama                                                                                                                                                                                                                                                      | A green light-excitable FRET system for monitoring intracellular calcium levels in plant cells                                                                                               | Plant Signaling & Behavior                                                        | 1963104               | 10.1080/15592324.2021.1963104       | ○     |          |    |      |         |        |
| 2021 | 児玉       | Yoshiaki Kamiyama, Misaki Hirotsu, Shinnosuke Ishikawa, Fuku Minegishi, Sotaro Katagiri, Conner J. Rogan, Fuminori Takahashi, Mika Nomoto, Kazuya Ishikawa, Yutaka Kodama, Yasuomi Tada, Daisuke Takezawa, Jeffrey C. Anderson, Scott C. Peck, Kazuo Shinozaki, Taishi Umezawa | <i>Arabidopsis</i> group C Raf-like protein kinases negatively regulate abscisic acid signaling and are direct substrates of SnRK2                                                           | PNAS                                                                              | 118 (30) :e2100073118 | 10.1073/pnas.2100073118             | ○     |          |    |      |         |        |
| 2021 | 児玉       | Masaki Odahara, Kenta Watanabe, Riku Kawasaki, Kousuke Tsuchiya, Ayaka Tateishi, Yoko Motoda, Takanori Kigawa, Yutaka Kodama, Keiji Numata                                                                                                                                     | Nanoscale Polyion Complex Vesicles for Delivery of Cargo Proteins and Cas9 Ribonucleoprotein Complexes to Plant Cells                                                                        | APPLIED NANO MATERIALS                                                            | 4: 5630-5635          | 10.1021/acsanm.1c00695              | ○     |          |    |      |         |        |
| 2021 | 児玉       | Kazusato Oikawa, Takuto Imai, Yutaka Kodama, Keiji Numata                                                                                                                                                                                                                      | Effects of mitochondria-selective fluorescent probes on mitochondrial movement in <i>Arabidopsis</i> mesophyll cells evaluated by using the quantification                                   | Plant Biotechnol                                                                  | 38:257-262            | 10.5511/plantbiotechnology.21.0204a | ○     |          |    |      |         |        |
| 2021 | 児玉       | Kazusato Oikawa, Takuto Imai, Chonprakun Thagun, Kiminori Toyooka, Takeshi Yoshizumi, Kazuya Ishikawa, Yutaka Kodama, Keiji Numata                                                                                                                                             | Mitochondrial movement during its association with chloroplasts in <i>Arabidopsis thaliana</i>                                                                                               | COMMUNICATIONS BIOLOGY                                                            | 4:292                 | 10.1038/s42003-021-01833-8          | ○     |          |    |      |         |        |
| 2021 | 児玉       | Shun Tamaki, Ryosuke Sato, Yuki Koshitsuka, Masashi Asahina, Yutaka Kodama, Takahiro Ishikawa, Tomoko Shinomura                                                                                                                                                                | Suppression of the Lycopene Cyclase Gene Causes Downregulation of Ascorbate Peroxidase Activity and Decreased Glutathione Pool Size, Leading to H2O2 Accumulation in <i>Euglena gracilis</i> | Frontiers in Plant Science                                                        | 12:786208             | 10.3389/fpls.2021.786208            | ○     |          |    |      |         |        |
| 2021 | 児玉       | Kazusato Oikawa, Ayaka Tateishi, Masaki Odahara, Yutaka Kodama, Keiji Numata                                                                                                                                                                                                   | Imaging of the Entry Pathway of a Cell-Penetrating Peptide-DNA Complex From the Extracellular Space to Chloroplast Nucleoids Across Multiple Membranes in <i>Arabidopsis</i> Leaves          | Frontiers in Plant Science                                                        | 12:759871             | 10.3389/fpls.2021.759871            | ○     |          |    |      |         |        |
| 2021 | 児玉       | Ronnie Concepcion II, Elmer Dadios, Angel Bandala, Joel Cuello, Yutaka Kodama                                                                                                                                                                                                  | Hybrid Genetic Programming and Multiverse-based Optimization of Pre-Harvest Growth Factors of Aquaponic Lettuce Based on Chlorophyll Concentration                                           | International Journal on Advanced Science, Engineering and Information Technology | 11:2128-2138          | 10.18517/ijaseit.11.6.14991         | ○     |          |    |      |         |        |
| 2021 | 黒倉 鈴木 児玉 | Yong LK, Tsuboyama S, Kitamura R, Kurokura T, Suzuki T, Kodama Y                                                                                                                                                                                                               | Chloroplast relocation movement in the liverwort <i>Apopellia endiviifolia</i>                                                                                                               | Physiologia Plantarum                                                             | 173:775-787           | 10.1111/ppl.13473                   | ○     |          |    |      |         |        |
| 2021 | 金野       | Yuichi Sakamoto, Shioh Sato, Keiko Nakade, Miyuki Ito, Takahiro Yamauchi, Katsumasa Eda, Fumikazu Goto, Masashi Mizuno, Naotake Konno                                                                                                                                          | Screening of a <i>Lentinula edodes</i> Mutant That Retains Lentinan Contents Long after Being Harvested Using TILLING                                                                        | ACS Agricultural Science & Technology                                             | 1(3):143-149          | 10.1021/acsagstech.0c00023          | ○     |          |    |      |         |        |
| 2021 | 鈴木       | Suzuki T, Nakamura L, Inayoshi S, Tezuka Y, Ono A, Choi J-H, Dohra H, Sasanami T, Hirai H, Kawagishi H                                                                                                                                                                         | An Efficient Heterologous <i>Escherichia coli</i> -Based Expression System for Lectin Production from <i>Pleurocybella porrigens</i>                                                         | Bioscience, Biotechnology, and Biochemistry                                       | 85(3):630-633         | 10.1093/zbaa058                     | ○     |          |    |      |         |        |
| 2021 | 鈴木       | Suzuki T                                                                                                                                                                                                                                                                       | Genetic sequence analysis and characterization of bioactive compounds in mushroom-forming fungi                                                                                              | Bioscience, Biotechnology, and Biochemistry,                                      | 85, 8-12              | 10.1093/bbb/zbaa067                 | ○     |          |    |      |         |        |
| 2021 | 鈴木       | Wang, J, Suzuki T, Mori T, Yin R, Dohra H, Kawagishi H, Hirai H                                                                                                                                                                                                                | Transcriptomics analysis reveals the high biodegradation efficiency of white-rot fungus <i>Phanerochaete sordida</i> YK-624 on native lignin                                                 | Journal of Bioscience and Bioengineering                                          | 132, 253-257          | 10.1016/j.jbiosc.2021.05.009        | ○     |          |    |      |         |        |
| 2021 | 鈴木       | Kashiwa T, Suzuki T                                                                                                                                                                                                                                                            | High-quality genome assembly of the soybean fungal pathogen <i>Cercospora kikuchii</i>                                                                                                       | Genes, Genomes, Genetics                                                          | 11, jkab277           | 10.1093/g3journal/jkab277           | ○     |          |    |      |         |        |
| 2021 | 鈴木       | Worarad K, Suzuki T, Norii H, Muchizuki Y, Ishii T, Shinohara K, Miyamoto T, Kuboyama T, Inoue E                                                                                                                                                                               | Transcriptome profiling for pericarp browning during long-term storage of intact lotus root ( <i>Nelumbo nucifera</i> )                                                                      | Plant Growth Regulation                                                           | 95, 1-15              | 10.21203/rs.3.rs-539513/v1          | ○     |          |    |      |         |        |

| 発行年  | 教員名         | 著者                                                                                                                                                                                                  | 題名                                                                                                                                                                  | 雑誌名                                                                | 巻・ページ             | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2021 | 鈴木 園田       | Fukazawa M, Takahashi R, Matsuda H, Mikawa Y, Suzuki T, Suzuki T, Sonoda S                                                                                                                          | Sodium channel mutations (T929I and F1534S) found in pyrethroid resistant strains of the cigarette beetle, <i>Lasioderma serricorne</i> (Coleoptera: Anobiidae)     | Journal of Pesticide Science                                       | 46, 360-365       | 10.1584/jpestics.D21-033            | ○     |          |    |      |         |        |
| 2021 | 鈴木          | Mori T, Dohra H, Suzuki T, Kawagishi H., Hirai H                                                                                                                                                    | Draft genome sequence of the white-rot fungus <i>Phanerochaete sordida</i> YK-624                                                                                   | Microbiology Resource Announcements                                | 10 : e0084221     | 10.1128/MRA.00842-21                | ○     |          |    |      |         |        |
| 2021 | 謝 諸星        | Tomohiro Morohoshi, Akinori Oshima, Xiaonan Xie, Nobutaka Someya                                                                                                                                    | Genetic and functional diversity of Psyl/Psyr quorum-sensing system in the <i>Pseudomonas syringae</i> complex                                                      | FEMS Microbiology Ecology                                          | 97(2):254         | 10.1093/femsec/fiaa254              |       | ○        |    |      |         |        |
| 2021 | 謝           | Yohei Mizuno, Aino Komatsu, Shota Shimazaki, Satoshi Naramoto, Keisuke Inoue, Xiaonan Xie, Kimitsune Ishizaki, Takayuki Kohchi, Junko Kyoizuka                                                      | Major components of the KARRIKIN INSENSITIVE2-dependent signaling pathway are conserved in the liverwort <i>Marchantia polymorpha</i>                               | The Plant cell                                                     | 33(7):2395-2411   | 10.1093/plcell/koab106              |       | ○        |    |      |         |        |
| 2021 | 謝           | Shmuel Galili, Joseph Hershenhorn, Evgeny Smirnov, Koichi Yoneyama, Xiaonan Xie, Orit Amir-Segev, Aharon Bellalou, Evgenia Dor                                                                      | Characterization of a Chickpea Mutant Resistant to <i>Phelipanche aegyptiaca</i> Pers. and <i>Orobancha crenata</i> Forsk                                           | Plants (Basel, Switzerland)                                        | 10(12):2552       | 10.3390/plants10122552              |       | ○        |    |      |         |        |
| 2021 | 謝           | Huwei Sun, Xiaoli Guo, Xuejiao Qi, Fan Feng, Xiaonan Xie, Yali Zhang, Quanzhi Zhao                                                                                                                  | SPL14/17 act downstream of strigolactone signalling to modulate rice root elongation in response to nitrate supply                                                  | The Plant Journal                                                  | 106(3):649-660    | 10.1111/tpj.15188                   |       | ○        |    |      |         |        |
| 2021 | 謝           | Hitoshi Ouchi, Takuya Namiki, Kenji Iwamoto, Nobuo Matsuzaki, Makoto Inai, Mihaya Kotajima, Jing Wu, Jae-Hoon Choi, Yoko Kimura, Hirofumi Hirai, Xiaonan Xie, Hirokazu Kawagishi, and Toshiyuki Kan | S-Adenosylhomocysteine Analogue of a Fairy Chemical, Imidazole-4-carboxamide, as its Metabolite in Rice and Yeast and Synthetic Investigations of Related Compounds | Journal of Natural Products                                        | 84:2:453-458      | 10.1021/acs.jnatprod.0c01269        |       | ○        |    |      |         |        |
| 2021 | 謝 野村        | Xie X, Yoneyama K, Nomura T, Yoneyama Y                                                                                                                                                             | Evaluation and Quantification of Natural Strigolactones from Root Exudates                                                                                          | Methods in molecular biology                                       | 2309: 3-12        | 10.1007/978-1-0716-1429-7_1         |       | ○        |    | ○    |         |        |
| 2021 | 謝 野村        | Yoda A, Mori N, Akiyama K, Kikuchi M, Xie X, Miura K, Yoneyama K, Sato-Izawa K, Yamaguchi S, Yoneyama Y, Nelson D.C, Nomura T                                                                       | Strigolactone biosynthesis catalyzed by cytochrome P450 and sulfotransferase in sorghum                                                                             | New Phytologist                                                    | 232:1999-2010     | 10.1111/nph.17737                   | ○     | ○        |    | ○    |         |        |
| 2021 | 園田 西川 夏秋    | Hiroshi Katoh, Shuichiro Yamazaki, Takashi Fukuda, Shoji Sonoda, Hisahi Nishigawa, Tomohide Natsuaki                                                                                                | Detection of <i>Fusarium oxysporum</i> f. sp. <i>fragariae</i> by using loop-mediated isothermal amplification                                                      | Plant Disease                                                      | 105:1072-1079     | 10.1094/PDIS-03-20-0590-RE          | ○     |          |    |      |         |        |
| 2021 | 田村          | Tamura M, Tsujii, H, Saito T & Sasahara Y                                                                                                                                                           | Relationship between starch digestibility and physicochemical properties of aged rice grain                                                                         | LWT                                                                | 150:111887        | 10.1016/j.lwt.2021.111887           | ○     |          |    |      |         |        |
| 2021 | 田村 神山       | Tamura, M, Yoshimura, Y, Saito T & Koyama T                                                                                                                                                         | Comparison of standard and non-standard buckwheat groats for cooking, physicochemical and nutritional properties, and <i>in vitro</i> starch digestibility          | Future Foods                                                       | 3:100029          | 10.1016/j.fufo.2021.100029          | ○     |          |    |      |         |        |
| 2021 | 二瓶          | Ken-ichi Nihei, Steve Peigneur, Jan Tytgat, Angela B. Lange, Katsuhiro Konno                                                                                                                        | Isolation and characterization of FMRFamide-like peptides in the venoms of solitary sphecids wasps                                                                  | Peptides                                                           | 142:170575-170575 | 10.1016/j.peptides.2021.170575      | ○     | ○        |    |      |         |        |
| 2021 | 二瓶          | Carlos Alberto-Silva, Fernanda Calheta Vieira Portaro, Roberto Tadashi Kodama, Halyne Queiroz Pantaleão, Marisa Rangel, Ken-ichi Nihei, Katsuhiro Konno                                             | Novel neuroprotective peptides in the venom of the solitary scoliid wasp <i>Scolia decorata ventralis</i>                                                           | Journal of Venomous Animals and Toxins Including Tropical Diseases | 27:e20200171      | 10.1590/1678-9199-jvatitd-2020-0171 | ○     | ○        |    |      |         |        |
| 2021 | 野村          | 経塚淳子, 野村崇人                                                                                                                                                                                          | ストリゴラクトンの二面的機能, その起源と進化                                                                                                                                             | 植物の生長調節                                                            | 56(2):63-70       | 10.18978/jscrp.56.2_63              | ○     | ○        |    | ○    |         |        |
| 2021 | 鎌谷 西川 夏秋    | Wang W.Q, Idei S, Fukuda R, Namai K, Neriya Y, Nishigawa H, Natsuaki T                                                                                                                              | First report of the complete genome sequences of strawberry mottle virus isolated in Japan                                                                          | Journal of General Plant Pathology                                 | 210117            | 10.1007/s10327-021-00981-3          | ○     |          |    |      |         |        |
| 2021 | 鎌谷 鈴木 西川 夏秋 | Yamamoto D, Neriya Y, Suzuki T, Nishigawa H, Natsuaki T                                                                                                                                             | Construction of an infectious dahlia common mosaic virus clone                                                                                                      | Archives of Virology                                               | 166(11):3179-3182 | 10.1007/s00705-021-05225-5          | ○     |          |    |      |         |        |
| 2021 | 前田          | Ohashi Y, Huang S, Maeda I                                                                                                                                                                          | Biosyntheses of geranic acid and citronellic acid from monoterpenic alcohols by <i>Saccharomyces cerevisiae</i>                                                     | Bioscience Biotechnology and Biochemistry                          | 85:1530-1535      | 10.1093/bbb/zbab039                 | ○     |          |    |      |         |        |

| 発行年  | 教員名                   | 著者                                                                                                                                                                                                                              | 題名                                                                                                                                                                                                           | 雑誌名                                         | 巻・ページ             | doi                            | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|--------------------------------|-------|----------|----|------|---------|--------|
| 2021 | 前田                    | Maeda I                                                                                                                                                                                                                         | Potential of phototrophic purple nonsulfur bacteria to fix nitrogen in rice fields                                                                                                                           | Microorganisms                              | 10:28             | 10.3390/microorganisms10010028 | ○     |          |    |      |         |        |
| 2021 | 松田                    | Akira Seto, Hayato Endo, Yukio Minamiya, Masaru Matsuda                                                                                                                                                                         | The complete mitochondrial genome sequences of Japanese earthworms <i>Metaphire hilgendorfi</i> and <i>Amyntas yunoshimensis</i> (Clitellata: Megascolecidae)                                                | Mitochondrial DNA. Part B, Resources        | 6(3):965-967      | 10.1080/23802359.2020.1830728  | ○     |          |    |      |         |        |
| 2021 | 松本<br>福井              | Shinichi Watanabe, Megumi Miura, Hiromi Morita, Moeka Nishi, Shin-Ichi Yokota, Shosaku Hattori, Hiromichi Matsumoto, Emiko Fukui, Ken Takeshi Kusakabe, Masanori Ochi, Naomi Nakagata, Yasuo Kiso, Chieko Kai, Midori Yoshizawa | Successful blastocyst production by intracytoplasmic injection of sperm after in vitro maturation of follicular oocytes obtained from immature female squirrel monkeys ( <i>Saimiri boliviensis</i> )        | The Journal of reproduction and development | 67(4):265-272     | 10.1262/jrd.2021-018           |       |          | ○  |      |         |        |
| 2021 | 水重                    | Takafumi Mizushige                                                                                                                                                                                                              | Neuromodulatory peptides: Orally active anxiolytic-like and antidepressant-like peptides derived from dietary plant proteins                                                                                 | Peptides                                    | 142:170569-170569 | 10.1016/j.peptides.2021.170569 | ○     |          | ○  |      |         |        |
| 2021 | 水重<br>蕪山              | Keisuke Kimura, Mizuki Morisasa, Takafumi Mizushige, Rikuo Karasawa, Chinatsu Kanamaru, Yukihito Kabuyama, Takahiro Hayasaka, Tsukasa Mori, Naoko Goto-Inoue                                                                    | Lipid Dynamics due to Muscle Atrophy Induced by Immobilization                                                                                                                                               | Journal of oleo science                     | 70(7):937-946     | 10.5650/jos.ess21045           | ○     |          | ○  |      |         |        |
| 2021 | 宮川                    | Toyota K, Watanabe H, Hirano M, Abe R, Miyakawa H, Song Y, Sato T, Miyagawa S, Tollefsen KE, Tatarazako N, Iguchi T                                                                                                             | Juvenile hormone synthesis and signaling disruption triggering male offspring induction and population decline in cladocerans: Review and adverse outcome pathway development                                | Aquatic Toxicology                          | 243:106058        | 10.1016/j.aquatox.2021.106058  | ○     |          |    |      |         |        |
| 2021 | 宮川                    | Toyota K, Miyakawa H, Hiruta C, Sato T, Katayama H, Ohira T, Iguchi T                                                                                                                                                           | Sex determination and differentiation in decapod and cladoceran crustaceans: an overview of endocrine regulation                                                                                             | Genes                                       | 12(2):305         | 10.3390/genes12020305          | ○     |          |    |      |         |        |
| 2021 | 諸星                    | N Someya, M Kubota, Y Unno and T Morohoshi                                                                                                                                                                                      | Distribution of pink-pigmented facultative methylotrophs isolated from the leaves of potato grown in different regions of Japan                                                                              | Jpn Agric Res Quart                         | 55:341-345        | 10.6090/jarq.55.341            | ○     |          |    |      |         |        |
| 2021 | 諸星                    | N. Someya, M Kubota, T Morohoshi and Y Inoue                                                                                                                                                                                    | Detection of culturable bacteria from tomato seeds on media semi-selective for the canker pathogen                                                                                                           | Biocontrol Sci                              | 26(1):61-65       | 10.4265/bio.26.61              | ○     |          |    |      |         |        |
| 2021 | 諸星                    | T Morohoshi, K Nameki and N Someya                                                                                                                                                                                              | Comparative genome analysis reveals the presence of multiple quorum-sensing systems in plant pathogenic bacterium, <i>Erwinia rhapontici</i>                                                                 | Biosci Biotech Biochem                      | 85:8:1910-1914    | 10.1093/bbb/zbab104            | ○     |          |    |      |         |        |
| 2021 | 諸星<br>鈴木              | R Sakuraoka, N Someya, K Takeuchi, T Suzuki and T Morohoshi                                                                                                                                                                     | Comparative genome analysis reveals differences in biocontrol efficacy according to each individual isolate belonging to rhizospheric fluorescent pseudomonads                                               | Microb Environ                              | 36:ME21034        | 10.1264/jsme2.ME21034          | ○     |          |    |      |         |        |
| 2021 | 矢ヶ崎<br>近藤<br>安達       | Adachi SI, Oyama M, Kondo S, Yagasaki K                                                                                                                                                                                         | Comparative effects of quercetin, luteolin, apigenin and their related polyphenols on uric acid production in cultured hepatocytes and suppression of purine bodies - induced hyperuricemia by rutin in mice | Cytotechnology                              | 73(3):343-351     | 10.1007/s10616-021-00452-9     | ○     |          | ○  |      |         |        |
| 2021 | 矢ヶ崎<br>吉澤<br>近藤<br>安達 | Kondo S, Adachi SI, Yoshizawa F, Yagasaki K                                                                                                                                                                                     | Antidiabetic Effect of Taxifolin in Cultured L6 Myotubes and Type 2 Diabetic Model KK-Ay/Ta Mice with Hyperglycemia and Hyperuricemia                                                                        | Curr Issues Mol Biol                        | 43(3):1293-1306   | 10.3390/cimb43030092           | ○     |          | ○  |      |         |        |
| 2021 | 矢ヶ崎<br>近藤<br>安達       | 安達 真一, 小山 美冬, 近藤 真司, 矢ヶ崎 一三                                                                                                                                                                                                     | そば成分とくにルチンとその関連成分の尿酸産生と高尿酸血症に対する作用について：インスリン抵抗性との関連も含めて                                                                                                                                                      | New Food Industry                           | 63(11): 783-789   |                                | ○     |          | ○  |      |         |        |
| 2021 | 山根<br>前田<br>飯郷<br>池口  | Yamane, K, Y Kimura, K Takahashi, I Maeda, M Iigo, A Ikeguchi and Hye-Ji Kim                                                                                                                                                    | The growth of leaf lettuce and bacterial communities in a closed aquaponics system with catfish                                                                                                              | Horticulturae                               | 7(8):222          | 10.3390/horticulturae7080222   |       |          |    | ○    |         |        |

| 発行年  | 教員名      | 著者                                                                                                                                                                     | 題名                                                                                                                                                                                                     | 雑誌名                                | 巻・ページ             | doi                              | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------|----------------------------------|-------|----------|----|------|---------|--------|
| 2020 | 逢沢       | Aizawa M, Iwazumi GM                                                                                                                                                   | Natural hybridization and introgression of <i>Abies firma</i> and <i>Abies homolepis</i> along the altitudinal gradient and genetic insights into the origin of <i>Abies umbellata</i>                 | Plant Species Biology              | 35:147-157        | 10.1111/1442-1984.12269          | ○     |          |    |      |         |        |
| 2020 | 逢沢       | Morishima K, Nakano T, Aizawa M                                                                                                                                        | Sika deer presence affects the host-parasite interface of a Japanese land leech                                                                                                                        | Ecology and Evolution              | 10: 6030-6038     | 10.1002/ece3.6344                | ○     |          |    |      |         |        |
| 2020 | 逢沢<br>園田 | Yuya Mikawa, Mineaki Aizawa, Ryuji Uesugi, Masahiro Osakabe, Kotaro Mori, Masatoshi Toyama, Shoji Sonoda                                                               | Molecular monitoring of Neoseiulus californicus released from sheltered slow-release sachets for spider mite control in a Japanese pear greenhouse.                                                    | Experimental and Applied Acarology | 80(2):203-214     | 10.1007/s10493-019-00463-4       | ○     |          |    |      |         |        |
| 2020 | 芋川       | Shuko Terazawa, Masahiko Nakano, Akio Yamamoto, and Genji Imokawa                                                                                                      | Mycosporine-like amino acids stimulate hyaluronan secretion by up-regulating hyaluronan synthase 2 via activation of the p38/MSK1/CREB/c-Fos/AP-1 axis                                                 | Journal of Biological Chemistry    | 295(21):7274-7288 | 10.1074/jbc.RA119.011139         | ○     |          |    |      |         |        |
| 2020 | 大西       | Yoshiaki Fujita, Yuriko Nagashima, Mei Yamaguchi, Su-Hyeun Shim, Takayuki Ohnishi, Sang Woo Bang                                                                       | Characterization of cytoplasmic female sterility in an alloplasmic and monosomic addition line of <i>Brassica rapa</i> carrying the cytoplasm and one chromosome of <i>Diplotaxis tenuifolia</i>       | Breeding Science                   | 70(3):355-362     | 10.1270/jsbbs.19147              | ○     |          |    |      |         |        |
| 2020 | 岡本       | Jun Takeuchi, Kosuke Fukui, Yoshiya Seto, Yousuke Takaoka, Masanori Okamoto                                                                                            | Ligand-receptor interactions in plant hormone signaling                                                                                                                                                | The Plant Journal                  | 105:2:290-306     | 10.1111/tpj.15115                |       |          |    |      |         |        |
| 2020 | 児玉       | Neval Yilmaz, Yutaka Kodama, and Keiji Numata                                                                                                                          | Lipid Membrane Interaction of Peptide/DNA Complexes Designed for Gene Delivery                                                                                                                         | Langmuir                           | 37:1882-1893      | 10.1021/acs.langmuir.0c03320     | ○     |          |    |      |         |        |
| 2020 | 児玉       | Hitomi Takahashi, Yutaka Kodama                                                                                                                                        | CRUNC: a cryopreservation method for unencapsulated gemmae of <i>Marchantia polymorpha</i>                                                                                                             | PeerJ                              | 8:e10174          | 10.7717/peerj.10174              | ○     |          |    |      |         |        |
| 2020 | 児玉       | Chonprakun Thagun, Yoko Motoda, Takanori Kigawa, Yutaka Kodama, Keiji Numata                                                                                           | Simultaneous introduction of multiple biomacromolecules into plant cells using a cell-penetrating peptide nanocarrier                                                                                  | Nanoscale                          | 12:18844 – 18856  | 10.1039/D0NR04718J               | ○     |          |    |      |         |        |
| 2020 | 児玉       | Keiko Midorikawa, Kousuke Tsuchiya, Simon Sau Yin Law, Yu Miyagi, Takuya Asai, Takanori Iino, Yasuyuki Ozeki, Yutaka Kodama, Keiji Numata                              | Cellular internalization mechanism of novel Raman probes designed for plant cells                                                                                                                      | RSC Chem Biol                      | 1:204-208         | 10.1039/D0CB00128G               | ○     |          |    |      |         |        |
| 2020 | 児玉       | Riku Kawasaki, Kousuke Tsuchiya, Yutaka Kodama, Keiji Numata                                                                                                           | Development of reactive oxygen species-triggered degradable nanoparticles using oligoproline-containing peptides                                                                                       | Biomacromolecules                  | 21:4116-4122      | 10.1021/acs.biomac.0c00915       | ○     |          |    |      |         |        |
| 2020 | 児玉       | Yuri Tanno, Shota Kato, Senji Takahashi, Shun Tamaki, Shinichi Takaichi, Yutaka Kodama, Kintake Sonoike, Tomoko Shinomura                                              | Light dependent accumulation of $\beta$ -carotene enhances photo-acclimation of <i>Euglena gracilis</i>                                                                                                | J Photochem Photobiol B Biology    | 209:111950        | 10.1016/j.jphotobiol.2020.111950 | ○     |          |    |      |         |        |
| 2020 | 児玉       | Yuta Fujii, Yuka Ogasawara, Yamato Takahashi, Momoko Sakata, Minoru Noguchi, Saori Tamura, Yutaka Kodama                                                               | The cold-induced switch in direction of chloroplast relocation occurs independently of changes in endogenous phototropin levels                                                                        | PLOS ONE                           | 15:e0233302       | 10.1371/journal.pone.0233302     | ○     |          |    |      |         |        |
| 2020 | 児玉       | 坂田桃子、児玉豊                                                                                                                                                               | タイムゲート法と光変換型蛍光タンパク質とを組み合わせた細胞内タンパク質局在過程の追跡                                                                                                                                                             | Plant Morphol                      | 32:27-30          |                                  | ○     |          |    |      |         |        |
| 2020 | 児玉       | Shota Kato, Kazunari Ozasa, Mizuo Maeda, Yuri Tanno, Shun Tamaki, Mieko Higuchi-Takeuchi, Keiji Numata, Yutaka Kodama, Mayuko Sato, Kiminori Toyooka, Tomoko Shinomura | Carotenoids in the eyespot apparatus are required for triggering phototaxis in <i>Euglena gracilis</i>                                                                                                 | The Plant Journal                  | 101:5:1091-1102   | 10.1111/tpj.14576                | ○     |          |    |      |         |        |
| 2020 | 児玉       | Neval Yilmaz, Yutaka Kodama, Keiji Numata                                                                                                                              | Revealing the architecture of cell wall in living plant cells by bio-imaging and enzymatic degradation                                                                                                 | Biomacromolecules                  | 21:1:95-103       | 10.1021/acs.biomac.9b00979       | ○     |          |    |      |         |        |
| 2020 | 謝<br>野村  | Narumi Moria, Aika Sado, Xiaonan Xie, Kaori Yoneyama, Kei Asami, Yoshiya Seto, Takahito Nomura, Shinjiro Yamaguchi, Koichi Yoneyama, Kohki Akiyama                     | Chemical identification of 18-hydroxycaractanoic acid as an LjMAX1 product and <i>in planta</i> conversion of its methyl ester to canonical and non-canonical strigolactones in <i>Lotus japonicus</i> | Phytochemistry                     | 174:112349        | 10.1016/j.phytochem.2020.112349  |       | ○        |    | ○    |         |        |
| 2020 | 謝<br>野村  | Kaori Yoneyama, Xiaonan Xie, Takahito Nomura, Koichi Yoneyama                                                                                                          | Do Phosphate and Cytokinin Interact to Regulate Strigolactone Biosynthesis or Act Independently?                                                                                                       | Frontiers in Plant Science         | 11: 438           | 10.3389/fpls.2020.00438          |       | ○        |    | ○    |         |        |

| 発行年  | 教員名      | 著者                                                                                                                                                                               | 題名                                                                                                                                                                         | 雑誌名                                       | 巻・ページ                 | doi                           | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------|-------------------------------|-------|----------|----|------|---------|--------|
| 2020 | 謝野村      | Yoneyama K, Akiyama K, Brewer P.B, Mori N, Kawano-Kawada M, Haruta S, Nishiwaki H, Yamauchi S, Xie X, Umehara M, Christine A. Beveridge C.A, Yoneyama K, Nomura T                | Hydroxyl carlactone derivatives are predominant strigolactones in <i>Arabidopsis</i>                                                                                       | Plant Direct                              | 4(5):e00219           | 10.1002/pld3.219              |       | ○        |    | ○    |         |        |
| 2020 | 謝蕪山前田    | Kusumah D, Wakui M, Murakami M, Xie X, Kabuyama Y and Maeda I                                                                                                                    | Linoleic acid, $\alpha$ -linolenic acid, and monolinolenins as antibacterial substances in the heat-processed soybean fermented with <i>Rhizopus oligosporus</i>           | Biosci Biotechnol Biochem                 | 84:1285-1290          | 10.1080/09168451.2020.1731299 | ○     |          |    |      |         |        |
| 2020 | 煉谷鈴木西川   | Neriya Y, Morikawa T, Hamamoto K, Noguchi K, Kobayashi T, Suzuki T, Nishigawa H, Natsuaki T                                                                                      | Characterization of tulip streak virus, a novel virus of the family <i>Phenuiviridae</i>                                                                                   | Journal of General Virology               | 102                   | 10.1099/jgv.0.001525          | ○     |          |    |      |         |        |
| 2020 | 鈴木金野児玉羽生 | Kikuchi M, Konno N, Suzuki T, Fujii Y, Kodama Y, Isogai A & Habu N                                                                                                               | A bacterial endo- $\beta$ -1,4-glucuronan lyase, CUL-I from <i>Brevundimonas</i> sp. SH203, belonging to a novel polysaccharide lyase family                               | Protein Expression and Purification       | 166:105502            | 10.1016/j.pep.2019.105502     | ○     |          |    |      |         |        |
| 2020 | 鈴木諸星     | Morohoshi T, Oi T, Suzuki T, Sato S                                                                                                                                              | Identification and characterization of a novel extracellular polyhydroxyalkanoate depolymerase in the complete genome sequence of <i>Undibacterium</i> KW1 and YM2 strains | Plos One                                  | 15:e0232698           | 10.1371/journal.pone.0232698  | ○     |          |    |      |         |        |
| 2020 | 鈴木篠田金野   | Shinoda K, Konno N, Suzuki T                                                                                                                                                     | Non-destructive analysis of the moisture content in shiitake mushrooms ( <i>Lentinula edodes</i> ) using near-infrared imaging at 1450 nm                                  | Mycoscience                               | 61:5:235-239          | 10.1016/j.myc.2020.04.005     | ○     |          |    |      |         |        |
| 2020 | 鈴木金野羽生   | Tanaka Y, Konno N, Suzuki T, Habu N                                                                                                                                              | Starch-degrading enzymes from the brown-rot fungus <i>Fomitopsis palustris</i> .                                                                                           | Protein Expression and Purification       | 170:105609            | 10.1016/j.pep.2020.105609     | ○     |          |    |      |         |        |
| 2020 | 鈴木飯郷黒倉山根 | Yamazaki K, Suzuki T, Iigo M, Aiso-Sanada H, Kurokura T, Yamane K                                                                                                                | Effects of Trehalose and Sucrose on Gene Expression Related to Senescence of Cut <i>Astilbe</i> ( <i>Astilbe</i> $\times$ <i>arendsii</i> Arends) Flowers                  | The Horticulture Journal                  | 89(5):628-638         | 10.2503/hortj.UTD-182         | ○     |          |    |      |         |        |
| 2020 | 鈴木金野     | 田中裕基, 平間加那子, 鈴木智大, 羽生直人, 金野尚武                                                                                                                                                    | 白色腐朽菌シイタケ由来エンド型ポリガラクトソナーゼの精製と特性解析                                                                                                                                          | 日本きのこ学会誌                                  | 2020-10:123-128:28(3) |                               | ○     |          |    |      |         |        |
| 2020 | 園田       | Fukada M, Itagaki Y, Nagayoshi A, Sonoda S                                                                                                                                       | Field survey of ryanodine receptor mutations (G4946E and I4790K) and their effects on biotic performance in diamondback moth                                               | Journal Pestcic Science                   | 45:2:114-118          | 10.1584/jpestics.D20-011      | ○     |          |    |      |         |        |
| 2020 | 園田       | Jouraku A, Kuwazaki S, Miyamoto K, Uchiyama M, Kurokawa T, Mori E, Mori MX, Mori Y, Sonoda S                                                                                     | Ryanodine receptor mutations (G4946E and I4790K) differentially responsible for diamide insecticide resistance in diamondback moth, <i>Plutella xylostella</i> L.          | Insect Biochemistry and Molecular Biology | 118:103308            | 10.1016/j.ibmb.2019.103308    | ○     |          |    |      |         |        |
| 2020 | 二瓶       | Ryo Shimakage, Ken-ichi Nihei                                                                                                                                                    | Synthesis, structural revision, and tyrosinase inhibitory activity of proposed phloretin-4-O- $\beta$ -D-glucopyranoside from <i>Homalium stenophyllum</i>                 | Natural Product Research                  | 1-9                   | 10.1080/14786419.2020.1817922 | ○     | ○        |    |      |         |        |
| 2020 | 二瓶       | Takuya Matsumoto, Saki Harima, Jing-Ke Weng, Ken-ichi Nihei                                                                                                                      | Systematic approach to the chemical synthesis of arabadopyrones, the unique $\alpha$ -pyrones of <i>Arabidopsis</i> metabolites                                            | Synthetic Communications                  | 50:2981-2987          | 10.1080/00397911.2020.1788600 | ○     | ○        |    |      |         |        |
| 2020 | 二瓶       | Ken-ichi Nihei, Isao Kubo                                                                                                                                                        | Tyrosinase inhibition by 4-substituted benzaldehydes with electron-withdrawing groups                                                                                      | Applied Biochemistry and Biotechnology    | 191:1711-1716         | 10.1007/s12010-020-03295-w    | ○     | ○        |    |      |         |        |
| 2020 | 二瓶       | Gandhi Rádís-Baptista, Hilania V. Dodou, Álvaro R.B, Prieto-da-Silva, André J. Zaharenko, Kohei Kazuma, Ken-ichi Nihei, Hidetoshi Inagaki, Kanami Mori-Yasumoto, Katsuhiro Konno | Comprehensive analysis of peptides and low molecular weight components of the giant ant <i>Dinoponera quadricaps</i> venom                                                 | Biological Chemistry                      | 401:945-954           | 10.1515/hsz-2019-0397         | ○     | ○        |    |      |         |        |
| 2020 | 煉谷西川夏秋   | Neriya Y, Izumi R, Wilisiani F, Hartono S, Wirya G.N.A.S, Nishigawa H, Natsuaki T                                                                                                | Complete genome sequence of pepper yellow leaf curl Indonesia virus from tomato in Bali, Indonesia                                                                         | Microbiology Resource Announcements       | 9:e00486-20           | 10.1128/MRA.00486-20          | ○     |          |    |      |         |        |

| 発行年  | 教員名          | 著者                                                                                                                                                                            | 題名                                                                                                                                                             | 雑誌名                                                                           | 巻・ページ             | doi                         | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------|-----------------------------|-------|----------|----|------|---------|--------|
| 2020 | 煉谷西川夏秋       | Kimathi R.H, Wilisiani F, Mashiko T, Neriya Y, Miinda A.E, Nishigawa H, Natsuaki T                                                                                            | Molecular characterization of tomato leaf curl Uganda virus infecting tomato plants in Kenya                                                                   | Journal of General Plant Pathology                                            | 86:513-518        | 10.1007/s10327-020-00950-2  | ○     |          |    |      |         |        |
| 2020 | 煉谷西川夏秋       | Kimathi R.H, Wilisiani F, Mashiko T, Neriya Y, Miinda A.E, Nishigawa H, Natsuaki T                                                                                            | First report of Tomato chlorosis virus infecting tomato in Kenya                                                                                               | Scientific African                                                            | 7:e00286          | 10.1016/j.sciaf.2020.e00286 | ○     |          |    |      |         |        |
| 2020 | 煉谷西川夏秋       | Neriya Y, Morikawa T, Hamamoto K, Noguchi K, Kobayashi T, Suzuki T, Nishigawa H, Natsuaki T                                                                                   | Characterization of tulip streak virus, a novel virus associated with the family <i>Phenuiviridae</i>                                                          | Journal of General Virology                                                   | 201123            | 10.1099/jgv.0.001525        | ○     |          |    |      |         |        |
| 2020 | 野村           | Narumi Mori, Takahito Nomura & Kohki Akiyama                                                                                                                                  | Identification of two oxygenase genes involved in the respective biosynthetic pathways of canonical and non-canonical strigolactones in <i>Lotus japonicus</i> | Planta                                                                        | 251:40            | 10.1007/s00425-019-03332-x  |       | ○        |    | ○    |         |        |
| 2020 | 野村           | Kojiro Kawada, Yuya Uchida, Ikuo Takahashi, Takahito Nomura, Yasuyuki Sasaki, Tadao Asami, Shunsuke Yajima and Shinsaku Ito                                                   | Triflumizole as a Novel Lead Compound for Strigolactone Biosynthesis Inhibitor                                                                                 | Molecules                                                                     | 25(23):E5525      | 10.3390/molecules25235525   |       | ○        |    | ○    |         |        |
| 2020 | 福井松本         | Akaiwa M, Fukui E, Matsumoto H                                                                                                                                                | Tubulointerstitial nephritis antigen-like 1 deficiency alleviates age-dependent depressed ovulation associated with ovarian collagen deposition in mice        | Reprod Med Biol                                                               | 19(1):50-57       | 10.1002/rmb.2.12301         | ○     |          | ○  |      |         |        |
| 2020 | 松田大谷ネイザンヘーガン | Wataru Takano, Shuhei Shibata, Nathan Hagen, Masaru Matsuda, Yukitoshi Otani                                                                                                  | Minimizing scattering-induced phase errors in differential interference contrast microscopy                                                                    | Journal of biomedical optics                                                  | 12:123703         | 10.1117/1.JBO.25.12.123703  | ○     |          |    |      | ○       |        |
| 2020 | 松田           | Yusaku Ogita, Shuuji Mawaribuchi, Kei Nakasako, Kei Tamura, Masaru Matsuda, Takafumi Katsumura, Hiroki Oota, Go Watanabe, Shigetaka Yoneda, Nobuhiko Takamatsu, Michihiko Ito | Parallel Evolution of Two <i>dmrt1</i> -Derived Genes, <i>dmy</i> and <i>dm-W</i> , for Vertebrate Sex Determination                                           | iScience                                                                      | 23:1:100757       | 10.1016/j.isci.2019.100757  | ○     |          |    |      |         |        |
| 2020 | 水重吉澤薫山       | Dai Nogimura, Takafumi Mizushige, Yuki Taga, Akitoshi Nagai, Sayo Shoji, Nao Azuma, Masashi Kusubata, Shin-ichi Adachi, Fumiaki Yoshizawa, Yukihito Kabuyama                  | Prolyl-hydroxyproline, a collagen-derived dipeptide, enhances hippocampal cell proliferation, which leads to antidepressant-like effects in mice               | FASEB Journal                                                                 | 34(4):5715-5723   | 10.1096/fj.201902871R       | ○     |          | ○  |      |         |        |
| 2020 | 宮川鈴木         | Araki M, Miyakawa MO, Suzuki T, Miyakawa H                                                                                                                                    | Two insulin-like peptides may regulate egg production in opposite directions via juvenile hormone signaling in the queenless ant <i>Pristomyrmex punctatus</i> | Journal of Experimental Zoology Part B: Molecular and Developmental Evolution | 334(4):225-234    | 10.1002/jez.b.22935         | ○     |          |    |      |         |        |
| 2020 | 宮川           | Gudeangadi PG, Uchida K, Tateishi A, Terada K, Masunaga H, Tsuchiya K, Miyakawa H, Numata K                                                                                   | Poly(alanine-nylon-alanine) as a bioplastic: chemoenzymatic synthesis, thermal properties and biological degradation effects                                   | Polymer Chemistry                                                             | 30:2020           | 10.1039/D0PY00137F          | ○     |          |    |      |         |        |
| 2020 | 諸星           | N Someya, M Kubota, K Takeuchi, Y Unno, R Sakuraoaka and T Morohoshi                                                                                                          | Diversity of antibiotic biosynthesis gene-possessing rhizospheric fluorescent Pseudomonads in Japan and their biocontrol efficacy                              | Microbes and Environments                                                     | 35(2020)2:ME19155 | 10.1264/jsme2.ME19155       | ○     |          |    |      |         |        |
| 2020 | 諸星           | T Morohoshi, Y Kamimura and N Someya                                                                                                                                          | Identification and characterization of quorum-quenching activity of <i>N</i> -acylhomoserine lactonase from coagulase-negative Staphylococci                   | Antibiotics                                                                   | 9(8):483          | 10.3390/antibiotics9080483  | ○     |          |    |      |         |        |
| 2020 | 吉澤矢ヶ崎        | Adachi SI, Sasaki K, Kondo S, Komatsu W, Yoshizawa F, Isoda H, Yagasaki K                                                                                                     | Antihyperuricemic Effect of Urolithin A in Cultured Hepatocytes and Model Mice                                                                                 | Molecules                                                                     | 25(21):5136       | 10.3390/molecules25215136   |       |          | ○  |      |         |        |
| 2020 | 吉澤佐藤         | Reiko Suzuki, Yoriko Sato, Misato Fukaya, Daisuke Suzuki, Fumiaki Yoshizawa, Yusuke Sato                                                                                      | Energy metabolism profile of the effects of amino acid treatment on hepatocytes: Phenylalanine and phenylpyruvate inhibit glycolysis of hepatocytes            | Nutrition                                                                     | 82:111042         | 10.1016/j.nut.2020.111042   | ○     |          |    |      |         |        |

| 発行年  | 教員名             | 著者                                                                                                                                                                                         | 題名                                                                                                                                                                                            | 雑誌名                                              | 巻・ページ              | doi                           | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------|-------------------------------|-------|----------|----|------|---------|--------|
| 2020 | 吉澤 佐藤           | Yoriko Sato, Hayato Tate, Fumiaki Yoshizawa, Yusuke Sato                                                                                                                                   | Data on the proliferation and differentiation of C2C12 myoblast treated with branched-chain ketoacid dehydrogenase kinase inhibitor                                                           | Data in Brief                                    | 31:105766          | 10.1016/j.dib.2020.105766     | ○     |          |    |      |         |        |
| 2020 | 吉澤 佐藤           | Reiko Suzuki, Yoriko Sato, Kodwo Amuzuah Obeng, Daisuke Suzuki, Yusuke Komiya, Shin-ichi Adachi, Fumiaki Yoshizawa, Yusuke Sato                                                            | Energy metabolism profile of the effects of amino acid treatment on skeletal muscle cells: Leucine inhibits glycolysis of myotubes                                                            | Nutrition                                        | 77:110794          | 10.1016/j.nut.2020.110794     | ○     |          |    |      |         |        |
| 2019 | 逢沢              | T Nagamitsu, H Shimizu, M Aizawa, A Nakanishi                                                                                                                                              | An admixture of <i>Quercus dentata</i> in the coastal ecotype of <i>Q. mongolica</i> var. <i>crispula</i> in northern Hokkaido and genetic and environmental effects on their traits          | Journal of Plant Research                        | 132(2): 211-222    | 10.1007/s10265-018-01079-2    | ○     |          |    |      |         |        |
| 2019 | 逢沢              | Kaori Morishima, Mineaki Aizawa                                                                                                                                                            | Nuclear microsatellite and mitochondrial DNA analyses reveal the regional genetic structure and phylogeographical history of a sanguivorous land leech, <i>Haemadipsa japonica</i> , in Japan | Ecology and Evolution                            | 9:9:5392-5406      | 10.1002/ece3.5132             | ○     |          |    |      |         |        |
| 2019 | 安達 近藤 佐藤 吉澤 矢ヶ崎 | Adachi SI, Kondo S, Sato Y, Yoshizawa F, Yagasaki K                                                                                                                                        | Anti-hyperuricemic effect of isorhamnetin in cultured hepatocytes and model mice: structure-activity relationships of methylquercetins as inhibitors of uric acid production                  | Cytotechnology                                   | 71 (1):181-192     | 10.1007/s10616-018-0275-8     | ○     |          | ○  |      |         |        |
| 2019 | 近藤 矢ヶ崎          | 矢ヶ崎一三, 近藤真司                                                                                                                                                                                | ファイトケミカルと糖尿病（解説）                                                                                                                                                                              | 食と医療                                             | 8:30-37            |                               | ○     |          | ○  |      |         |        |
| 2019 | 安達 矢ヶ崎 二瓶       | Sato T, Ikeya Y, Adachi SI, Yagasaki K, Nihei KI, Itoh N                                                                                                                                   | Extraction of strawberry leaves with supercritical carbon dioxide and entrainers: Antioxidant capacity, total phenolic content, and inhibitory effect on uric acid production of the extract  | Food Bioproducts Processing                      | 117:160-169        | 10.1016/j.fbp.2019.07.003     |       |          | ○  |      |         |        |
| 2019 | 飯塚              | Fukata Y, Iigo M                                                                                                                                                                           | The complete mitochondrial genome of freshwater mussel <i>Nodularia douglasiae</i> (Unionidae) from Lake Kasumigaura, Japan, and its phylogenetic analysis                                    | Mitochondrial DNA Part B                         | 4:3488-3489        | 10.1080/23802359.2019.1674738 | ○     |          |    |      |         |        |
| 2019 | 飯塚              | Wang W, Hanai Y, Takenaka C, Tomioka R, Iizuka K                                                                                                                                           | Translocation of cesium in the branches of Japanese cedar ( <i>Cryptomeria japonica</i> ) and Konara oak ( <i>Quercus serrata</i> )                                                           | Journal of Radioanalytical and Nuclear Chemistry | 323:959-964        | 10.1007/s10967-019-06996-7    |       |          |    |      |         | ○      |
| 2019 | 岡本              | Fujioka H, Samejima H, Mizutani M, Okamoto M, Sugimoto Y                                                                                                                                   | How does <i>Striga hermonthica</i> Bewitch its hosts?                                                                                                                                         | Plant Signaling & Behavior                       | 14(7):1605810      | 10.1080/15592324.2019.1605810 | ○     | ○        |    | ○    |         |        |
| 2019 | 岡本              | Mega R, Tsujimoto H, Okamoto M                                                                                                                                                             | Genetic manipulation of abscisic acid receptors enables modulation of water use efficiency                                                                                                    | Plant Signaling & Behavior                       | 14(10):e1642039    | 10.1080/15592324.2019.1642039 | ○     | ○        |    | ○    |         |        |
| 2019 | 岡本              | Vaidya AS, Helander JDM, Peterson FC, Elzinga D, Dejonghe W, Kaundal A, Park SY, Xing Z, Mega R, Takeuchi J, Khanderahoo B, Bishay S, Volkman BF, Todoroki Y, Okamoto M, Cutler SR         | Dynamic control of plant water use using designed ABA receptor agonists                                                                                                                       | Science                                          | 366:6464 (aaw8848) | 10.1126/science.aaw8848       | ○     | ○        |    | ○    |         |        |
| 2019 | 岡本              | Ryosuke Mega, Fumitaka Abe, June-Sik Kim, Yuuri Tsuboi, Keisuke Tanaka, Hisato Kobayashi, Yoichi Sakata, Kousuke Hanada, Hisashi Tsujimoto, Jun Kikuchi, Sean R. Cutler & Masanori Okamoto | Tuning water-use efficiency and drought tolerance in wheat using abscisic acid receptors                                                                                                      | Nature Plants                                    | 5:153-159          | 10.1038/s41477-019-0361-8     | ○     | ○        |    |      |         |        |
| 2019 | 岡本              | Hijiri Fujioka, Hiroaki Samejima, Hideyuki Suzuki, Masaharu Mizutani, Masanori Okamoto & Yukihiro Sugimoto                                                                                 | Aberrant protein phosphatase 2C leads to abscisic acid insensitivity and high transpiration in parasitic <i>Striga</i>                                                                        | Nature Plants                                    | 5:258-262          | 10.1038/s41477-019-0362-7     | ○     | ○        |    |      |         |        |
| 2019 | 児玉              | 児玉豊                                                                                                                                                                                        | 植物はどうやって温度を感じるのか                                                                                                                                                                              | 生物工学会誌                                           | 97:352             |                               | ○     |          |    |      |         |        |
| 2019 | 児玉              | 児玉豊                                                                                                                                                                                        | 葉緑体の寒冷逃避反応                                                                                                                                                                                    | 植物の生長調節                                          | 54:44-48           |                               | ○     |          |    |      |         |        |
| 2019 | 児玉              | 児玉豊                                                                                                                                                                                        | タイムゲート法：植物における蛍光バイオイメージングの技術革新                                                                                                                                                                | OplusE                                           | 41:401-403         |                               | ○     |          |    |      |         |        |
| 2019 | 児玉              | Midorikawa K, Kodama Y, Numata K                                                                                                                                                           | Vacuum/Compression Infiltration-mediated Permeation Pathway of a Peptide-pDNA Complex as a Non-Viral Carrier for Gene Delivery in Planta                                                      | Scientific Reports                               | 0.563194444        | 10.1038/s41598-018-36466-1    | ○     |          |    |      |         |        |

| 発行年  | 教員名            | 著者                                                                                                                                      | 題名                                                                                                                                                                              | 雑誌名                                                     | 巻・ページ           | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2019 | 児玉             | Mio Hikawa, Kazuyo Nishizawa, Yutaka Kodama                                                                                             | Prediction of prospective leaf morphology in lettuce based on intracellular chloroplast position                                                                                | Scientia Horticulturae                                  | 251:20-24       | 10.1016/j.scienta.2019.02.080       | ○     |          |    |      |         |        |
| 2019 | 児玉<br>松田       | Shinotsuka R, Oba T, Mitome T, Masuya T, Ito S, Murakami Y, Kagenishi T, Kodama Y, Matsuda M, Yoshida T, Wakamori M, Ohkura M & Nakai J | Synthesis of quinolyl-pyrrole derivatives as novel environment-sensitive fluorescent probes                                                                                     | Journal of Photochemistry and Photobiology A: Chemistry | 382:111900      | 10.1016/j.jphotochem.2019.111900    | ○     |          |    |      |         |        |
| 2019 | 児玉             | Momoko Sakata, Shun Kimura, Yuta Fujii, Takamasa Sakai, Yutaka Kodama                                                                   | Relationship between relocation of phototropin to the chloroplast periphery and the initiation of chloroplast movement in <i>Marchantia polymorpha</i>                          | Plant Direct                                            | 3:8:e00160      | 10.1002/pld3.160                    | ○     |          |    |      |         |        |
| 2019 | 謝<br>鈴木<br>児玉  | Hamashima N, Xie X, Hikawa M, Suzuki T & Kodama Y                                                                                       | A gain-of-function T-DNA insertion mutant of <i>Marchantia polymorpha</i> hyper-accumulates flavonoid riccionidin A                                                             | Plant Biotechnology                                     | 36(3):201-204   | 10.5511/plantbiotechnology.19.0722a | ○     |          |    |      |         |        |
| 2019 | 謝<br>諸星        | Morohoshi T, Ogasawara Y, Xie X, Hamamoto H, Someya N                                                                                   | Genetic and biochemical diversity for <i>N</i> -acylhomoserine lactone biosynthesis in the plant pathogen <i>Pectobacterium carotovorum</i> Subsp. <i>Carotovorum</i>           | Microbes Environ                                        | 34(4):429-435   | 10.1264/jsme2.ME19105               |       | ○        |    |      |         |        |
| 2019 | 謝<br>野村        | Yoneyama K, Xie X, Yoneyama K, Nomura T, Takahashi I, Asami T, Mori N, Akiyama K, Kusajima M, Nakashita H                               | Regulation of biosynthesis, perception, and functions of strigolactones for promoting arbuscular mycorrhizal symbiosis and managing root parasitic weeds                        | Pest Manag. Sci                                         | 75(9):2353-2359 | 10.1002/ps.5401                     |       | ○        |    |      |         |        |
| 2019 | 謝<br>野村        | Xiaonan Xie, Narumi Mori, Kaori Yoneyama, Takahito Nomura, Kenichi Uchida, Koichi Yoneyama, Kohki Akiyama                               | Lotuslactone, a non-canonical strigolactone from <i>Lotus japonicus</i>                                                                                                         | Phytochemistry                                          | 157:200-205     | 10.1016/j.phytochem.2018.10.034     |       | ○        |    |      |         |        |
| 2019 | 謝<br>諸星        | T Morohoshi, X Xie and T Ikeda.                                                                                                         | <i>N</i> -Acylhomoserine lactone-mediated quorum sensing regulates biofilm structure in <i>Methylobacterium populi</i> P-1M, an isolate from a pink-pigmented household biofilm | Biosci Biotech Biochem                                  | 83:174-180      | 10.1080/09168451.2018.1518701       | ○     | ○        |    |      |         |        |
| 2019 | 鈴木             | Maejima Y, Iino T, Muraguchi Y, Fukuda K, Ohkuma M, Suzuki T, Moriuchi R, Dohra H, Kimbara K, Shintani M.                               | <i>Chryseotalea sanaruensis</i> gen. nov., sp. nov., a member of the family <i>Cytophagaceae</i> , isolated from a brackish lake in Hamamatsu Japan                             | Current Microbiology                                    | 4:3504-3506     | 10.1007/s00284-019-01823-4          | ○     |          |    |      |         |        |
| 2019 | 鈴木             | Nakatsuka T, Suzuki T, Harada K, Kobayashi Y, Dohra H, Ohno H                                                                           | Floral organ- and temperature-dependent regulation of anthocyanin biosynthesis in <i>Cymbidium</i> hybrid flowers                                                               | Plant Science                                           | 287:110173      | 10.1016/j.plantsci.2019.110173      | ○     |          |    |      |         |        |
| 2019 | 鈴木             | Takano T, Yamamoto N, Suzuki T, Dohra H, Choi J-H, Terashima Y, Yokoyama K, Kawagishi H, Yano K                                         | Genome sequence analysis of the fairy ring-forming fungus <i>Lepista sordida</i> and gene candidates for interaction with plants                                                | Scientific Reports                                      | 9:5888          | 10.1038/s41598-019-42231-9          | ○     |          |    |      |         |        |
| 2019 | 鈴木<br>諸星       | Sakuraoka R, Suzuki T, Mohrohoshi T                                                                                                     | Distribution and Genetic Diversity of Genes Involved in Quorum Sensing and Prodigiosin Biosynthesis in the Complete Genome Sequences of <i>Serratia marcescens</i>              | Genome Biology and Evolution                            | 11(3):931-936   | 10.1093/gbe/evz046                  | ○     |          |    |      |         |        |
| 2019 | 鈴木<br>松田       | Ono A, Suzuki T, Gotoh S, Kono H, Matsui M, Aoki D, Matsuda M, Kawagishi H, Ogata M                                                     | Structural investigation of a-L-fucosidase from the pancreas of <i>Patiria pectinifera</i> , based on molecular cloning                                                         | Carbohydrate Research                                   | 475:27-33       | 10.1016/j.carres.2019.02.001        | ○     |          |    |      |         |        |
| 2019 | 鈴木<br>石栗<br>横田 | Agnestisia R, Ono A, Nakamura L, Chino R, Nodera K, Aiso-Sanada H, Nezu I, Ishiguri F, Suzuki T, Yokota S                               | The complete mitochondrial genome sequence of the edible mushroom <i>Stropharia rugosoannulata</i> (Strophariaceae, Basidiomycota)                                              | Mitochondrial DNA Part B                                | 4(1):570-572    | 10.1080/23802359.2018.1558120       | ○     |          |    |      |         |        |
| 2019 | 鈴木             | Suzuki Y, Suzuki T, Awai K, Shioi Y                                                                                                     | Isolation and characterization of a tandem-repeated cysteine protease from the symbiotic dinoflagellate <i>Symbiodinium</i> sp. KB8                                             | PloS One                                                | 14:e0211534     | 10.1371/journal.pone.0211534        | ○     |          |    |      |         |        |
| 2019 | 鈴木             | 窪田敏和, 鈴木智大, 金野尚武, 二宮尚                                                                                                                   | 蛍光色素ローダミンBを用いたシイタケ子実体生長過程における水分経路の可視化                                                                                                                                           | 日本きのこ学会誌                                                | 26:164-168      | 10.24465/msb.26.4_164               | ○     |          |    |      |         |        |

| 発行年  | 教員名                        | 著者                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 題名                                                                                                                                                                          | 雑誌名                                                | 巻・ページ                  | doi                            | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------|--------------------------------|-------|----------|----|------|---------|--------|
| 2019 | 鈴木<br>黒倉<br>飯郷<br>羽生<br>金野 | Tanaka Y, Suzuki T, Nakamura L, Nakamura M, Ebihara S, Kurokura T, Iigo M, Dohra , Habu N, Konno N                                                                                                                                                                                                                                                                                                                                                                     | A GH family 28 endo-polygalacturonase from the brown-rot fungus <i>Fomitopsis palustris</i> : purification, gene cloning, enzymatic characterization and effects of oxalate | International Journal of Biological Macromolecules | 123:108-116            | 10.1016/j.ijbiomac.2018.11.004 | ○     |          |    |      |         |        |
| 2019 | 鈴木<br>金野<br>二宮             | 窪田敏和、鈴木智大、金野尚武、二宮尚                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 蛍光色素ローダミンBを用いたシイタケ子実体生長過程における水分経路の可視化                                                                                                                                       | 日本きのこ学会誌                                           | 26(4):164-168          | 10.24465/msb.26.4_164          | ○     |          |    |      |         |        |
| 2019 | 鈴木<br>煉谷<br>西川<br>夏秋       | Fariha Wilisiani, Takaaki Mashiko, Wei-Qin Wang, Tomohiro Suzuki, Sedyo Hartono, Yutaro Neriya, Hisashi Nishigawa & Tomohide Natsuaki                                                                                                                                                                                                                                                                                                                                  | New recombinant of <i>Tomato leaf curl New Delhi virus</i> infecting melon in Indonesia                                                                                     | Journal of General Plant Pathology. in press       | 85:306-310             | 10.1007/s10327-019-00849-7     | ○     |          |    |      |         |        |
| 2019 | 園田                         | Mikawa Y, Ishii H, Nagayoshi A, Sonoda S                                                                                                                                                                                                                                                                                                                                                                                                                               | PCR-based species identification applied in Japanese pear orchards to survey seasonal proportion changes of phytoseiid mite species                                         | Applied Entomology and Zoology                     | 54(1):1-7              | 10.1007/s13355-018-0595-3      | ○     |          |    |      |         |        |
| 2019 | 二瓶                         | Ishioka Wakana, Oonuki Sayaka, Iwadata Takehiro, Nihei Ken-ichi                                                                                                                                                                                                                                                                                                                                                                                                        | Resorcinol alkyl glucosides as potent tyrosinase inhibitors                                                                                                                 | BIOORGANIC & MEDICINAL CHEMISTRY LETTERS           | 29:2:313-316           | 10.1016/j.bmcl.2018.11.029     |       | ○        |    |      |         |        |
| 2019 | 二瓶                         | Tanaka Yuri, Suzuki Marina, Kodachi Yuka, Nihei Ken-ichi                                                                                                                                                                                                                                                                                                                                                                                                               | Molecular design of potent, hydrophilic tyrosinase inhibitors based on the natural dihydroxyresveratrol skeleton                                                            | CARBOHYDRATE RESEARCH                              | 472:42-49              | 10.1016/j.carres.2018.11.006   |       | ○        |    |      |         |        |
| 2019 | 二瓶                         | Nana Asebi, Ken-ichi Nihei                                                                                                                                                                                                                                                                                                                                                                                                                                             | Total synthesis of apios isoflavones and investigation of their tyrosinase inhibitory activity                                                                              | Tetrahedron                                        | 75:130589              | 10.1016/j.tet.2019.130589      | ○     | ○        |    |      |         |        |
| 2019 | 二瓶                         | Ken-ichi Nihei, Isao Kubo                                                                                                                                                                                                                                                                                                                                                                                                                                              | Benzonitriles as tyrosinase inhibitors with hyperbolic inhibition manner                                                                                                    | International Journal of Biological Macromolecules | 133:929-932            | 10.1016/j.ijbiomac.2019.04.156 | ○     | ○        |    |      |         |        |
| 2019 | 煉谷<br>西川<br>夏秋             | Satomi Abe, Yutaro Neriya, Kengo Noguchi, Sedyo Hartono, Sri Sulandari, Susanto Somowiyarjo, Asad Ali, Hisashi Nishigawa & Tomohide Natsuaki                                                                                                                                                                                                                                                                                                                           | First report of the complete genomic sequences from Indonesian isolates of bamboo mosaic virus and detection of genomic recombination events                                | Journal of General Plant Pathology                 | 85:306-310158-161      | 10.1007/s10327-018-0830-3      | ○     |          |    |      |         |        |
| 2019 | 煉谷<br>西川<br>夏秋             | Fariha Wilisiani, Yutaro Neriya, Mai Tagami, Misaki Kaneko, Sedyo Hartono, Hisashi Nishigawa, Tomohide Natsuaki                                                                                                                                                                                                                                                                                                                                                        | Complete genome sequence of <i>Tomato leaf curl New Delhi virus</i> from luffa in Indonesia                                                                                 | Microbiology Research Announcement                 | 2019 8 (15): e01605-18 | 10.1128/MRA.01605-18           | ○     |          |    |      |         |        |
| 2019 | 野村<br>米山                   | Yoshida S, Kim S, Wafula E.K, Tanskanen J, Kim Y, Honaas L, Yang Z, Spallek T, Conn C.E, Ichihashi Y, Cheong K, Cui S, Der J.P, Gundlach H, Jiao Y, Hori C, Ishida J.K, Kasahara H, Kiba T, Kim M, Koo N, Laohavisit A, Lee Y, Lumba S, McCourt P, Mortimer J.C, Mutuku J.M, Nomura T, Sasaki-Sekimoto Y, Seto Y, Wang Y, Wakatake T, Sakakibara H, Demura T, Yamaguchi S, Yoneyama K, Manabe R, Nelson D.C, Schulman A.H, Timko M.P, Pamphilis C.W, Choi D, Shirasu K | Genome sequence of <i>Striga asiatica</i> provides insight into the evolution of plant parasitism                                                                           | Current Biology                                    | 29:3041-3052           | 10.1016/j.cub.2019.07.086      |       | ○        |    | ○    |         |        |
| 2019 | 福井<br>松本                   | Chuanqiang Zhang, Nanako Suzuki, Hiromichi Matsumoto, Motoharu Miyamura, Hideki Tsuchiya, Seizo Hamano, Hiroshi Makino, Masanori Ochi, Midori Yoshizawa and Emiko Fukui                                                                                                                                                                                                                                                                                                | BRCA1 Expression on Bovine Pre-implantation Embryos Produced by In Vitro Fertilization                                                                                      | Journal Mammalian Ova Research                     | 36(1):61-67            |                                | ○     |          | ○  |      |         |        |
| 2019 | 前田                         | Arashida H, Kugenuma T, Watanabe M and Maeda I                                                                                                                                                                                                                                                                                                                                                                                                                         | Nitrogen fixation in <i>Rhodopseudomonas palustris</i> co-cultured with <i>Bacillus subtilis</i> in the presence of air                                                     | J Biosci Bioeng                                    | 127:589-593            | 10.1016/j.jbiosc.2018.10.010   | ○     |          |    |      |         |        |
| 2019 | 松田<br>大谷<br>ヘー<br>ガン       | Shuhei Shibata, Wataru Takano, Nathan Hagen, Masaru Matsuda, and Yukitoshi Otani                                                                                                                                                                                                                                                                                                                                                                                       | Video-rate quantitative phase analysis by a DIC microscope using a polarization camera                                                                                      | Biomedical optics express                          | 10(3):1273-1281        | 10.1364/BOE.10.001273          | ○     |          |    |      | ○       |        |
| 2019 | 水重<br>蕪山                   | Mizushige T, Nogimura D, Nagai A, Mitsuhashi H, Taga Y, Kusubata M, Hattori S, Kabuyama Y                                                                                                                                                                                                                                                                                                                                                                              | Ginger-Degraded Collagen Hydrolysate Exhibits Antidepressant Activity in Mice                                                                                               | J Nutr Sci Vitaminol                               | 65(3):251-257          | 10.3177/jnsv.65.251            | ○     |          | ○  |      |         |        |
| 2019 | 宮川<br>早崎                   | Sunayama K, Miyakawa H, Hayasaki Y                                                                                                                                                                                                                                                                                                                                                                                                                                     | Size measurement of <i>Daphnia pulex</i> using low-coherence Gabor digital holography                                                                                       | Optical Review                                     | 26(6):693-698          | 10.1007/s10043-019-00558-8     | ○     |          |    |      |         |        |

| 発行年  | 教員名             | 著者                                                                                                                                                                 | 題名                                                                                                                                                                                       | 雑誌名                                 | 巻・ページ          | doi                               | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------|-----------------------------------|-------|----------|----|------|---------|--------|
| 2019 | 宮川              | Ema M, Okada T, Takahashi M, Uchiyama M, Kubo H, Moriyama H, Miyakawa H, Matsumoto M                                                                               | A self-marker-like protein governs hemocyte allorecognition in <i>Halocynthia roretzi</i>                                                                                                | Zoological Letters                  | 5(1):34        | 10.1186/s40851-019-0149-8         | ○     |          |    |      |         |        |
| 2019 | 諸星              | T Morohoshi, Y Kamimura, N Sato and T Iizumi.                                                                                                                      | Distribution and characterization of N-acylhomoserine lactone (AHL)-degrading activity and AHL lactonase gene (qsdS) in <i>Shingopyxis</i>                                               | J Biosci Bioeng                     | 127:411-417    | 10.1016/j.jbiosc.2018.10.005      | ○     |          |    |      |         |        |
| 2019 | 矢ヶ崎             | Yagasaki K                                                                                                                                                         | Phytochemicals, Their Intestinal Metabolites, and Skeletal Muscle Function                                                                                                               | Nutrition and Skeletal Muscle       | 401-418        | 10.1016/B978-0-12-810422-4.000257 | ○     |          | ○  |      |         |        |
| 2019 | 矢ヶ崎             | 矢ヶ崎一三（編集：板倉弘重, 近藤和雄）                                                                                                                                               | がんにかかわる食品成分                                                                                                                                                                              | 分子栄養学－科学的根拠に基づく食理学－                 | II (16)        |                                   |       |          | ○  |      |         |        |
| 2019 | 山根              | Evelyn Villanueva, Nozomi Fujibayashi-Yohii, Suguru Matsuzaki, Kazuki Yamazaki, Chairat Burana, Kenji Yamane                                                       | Effects of trehalose and sucrose on the vase life and physiology of cut astilbe ( <i>Astilbe × arendsii</i> Arends) flowers                                                              | Horticulture Journal                | 88:2:276-283   | 10.2503/hortj.UTD-031             | ○     |          |    | ○    |         |        |
| 2018 | 達沢 大久保          | 岡崎千聖, 達沢峰昭, 森嶋佳織, 福沢朋子, 大久保達弘                                                                                                                                      | 群馬県のナラ枯れを起こしたカンノナガキイムシは在来か近年移入の個体群か－遺伝解析に基づく検証                                                                                                                                           | 日本森林学会誌                             | 100: 116-123   | 10.4005/jifs.100.116              | ○     |          |    |      |         |        |
| 2018 | 達沢              | Aizawa Mineaki, Maekawa Kaya, Mochizuki Hiroko, Saito Hideyuki, Harada Ko                                                                                          | Unveiling the origin of <i>Quercus serrata</i> subsp <i>mongolicoides</i> found in Honshu, Japan, by using genetic and morphological analyses                                            | PLANT SPECIES BIOLOGY               | 33:3:174-190   | 10.1111/1442-1984.12207           | ○     |          |    |      |         |        |
| 2018 | 達沢              | Aizawa Mineaki, Iwaizumi Masakazu G., Yoshimaru Hiroshi, Goto Susumu                                                                                               | Identification of the Parental Species of a Putative Hybrid Spruce <i>Picea x notha</i> Using DNA Markers with Contrasting Modes of Inheritance                                          | ACTA PHYTOTAXONOMICA ET GEOBOTANICA | 69:1:11-19     | 10.18942/apg.201712               | ○     |          |    |      |         |        |
| 2018 | 飯郷 黒倉           | Takamitsu Waki, Masaharu Kodama, Midori Akutsu, Kiyoshi Namai, Masayuki Iigo, Takeshi Kurokura, Toshiya Yamamoto, Kenji Nashima, Masayoshi Nakayama, Masafumi Yagi | Development of DNA Markers Linked to Double-Flower and Hortensia Traits in <i>Hydrangea macrophylla</i> (Thunb.) Ser.                                                                    | HORTICULTURE JOURNAL                | 87: 2: 264-273 | 10.2503/hortj.OKD-096             | ○     |          |    |      |         |        |
| 2018 | 飯塚 石栗 達沢 大久保 横田 | Iizuka K, Toya N, Ohshima J, Ishguri F, Miyamoto N, Aizawa M, Ohkubo t, Takenaka C, Yokota S                                                                       | Relationship between <sup>137</sup> Cs concentration and potassium content in stem wood of Japanese cedar ( <i>Cryptomeria japonica</i> )                                                | Journal of Wood Science             | 64:1:59-64     | 10.1007/s10086-017-1673-9         |       |          |    |      |         | ○      |
| 2018 | 芋川              | Takao Niwano, Shuko Terazawa, Hiroaki Nakajima, Genji Imokawa                                                                                                      | The Stem Cell Factor-Stimulated Melanogenesis in Human Melanocytes Can Be Abrogated by Interrupting the Phosphorylation of MSK1: Evidence for Involvement of the p38/MSK1/CREB/MITF Axis | Arch Dermatol Res                   | 310(3):187-196 | 10.1007/s00403-018-1816-x         | ○     |          |    |      |         |        |
| 2018 | 芋川              | Wu Shiyong, Imokawa Genji                                                                                                                                          | To be or not to be Photopigmented, that is the Question: An Introduction to the Special Issue dedicated to Photopigmentation and Melanoma                                                | PHOTOCHEMISTRY AND PHOTOBIOLOGY     | 94:3:407-408   | 10.1111/php.12933                 | ○     |          |    |      |         |        |
| 2018 | 芋川              | Nojiri Hiroshi, Ishida Koichi, Yao Xueqiu, Liu Wei, Imokawa Genji                                                                                                  | Amelioration of lactic acid sensations in sensitive skin by stimulating the barrier function and improving the ceramide profile                                                          | ARCHIVES OF DERMATOLOGICAL RESEARCH | 310:6:495-504  | 10.1007/s00403-018-1833-9         | ○     |          |    |      |         |        |
| 2018 | 芋川              | Takeda Shogo, Shimoda Hiroshi, Takarada Toru, Imokawa, Genji                                                                                                       | Strawberry seed extract and its major component, tiliroside, promote ceramide synthesis in the stratum corneum of human epidermal equivalents                                            | PLOS ONE                            | 13:10          | 10.1371/journal.pone.0205061      | ○     |          |    |      |         |        |
| 2018 | 大久保             | Yoschenko Vasyi, Ohkubo Tatsuhiro, Kashparov Valery                                                                                                                | Radioactive contaminated forests in Fukushima and Chernobyl                                                                                                                              | JOURNAL OF FOREST RESEARCH          | 23:1:3-14      | 10.1080/13416979.2017.1356681     |       |          |    |      |         | ○      |
| 2018 | 大久保             | Ohkubo Tatsuhiro, Kaneko Nobuhiro, Kaneko Shinji, Miura Satoru, Okada Naoki                                                                                        | Radiocesium dynamics in forest ecosystems after the Fukushima Nuclear Power Plant accident: experiences during the initial five years                                                    | JOURNAL OF FOREST RESEARCH          | 23:1:1-2       | 10.1080/13416979.2018.1429733     |       |          |    |      |         | ○      |
| 2018 | 大西              | Takeshi Takamatsu, Marouane Baslam, Takuya Inomata, Kazusato Okikawa, Kimiko Itoh, Takayuki Ohnishi, Tetsu Kinoshita, Toshiaki Mitsui                              | Optimized Method of Extracting Rice Chloroplast DNA for High-Quality Plastome Resequencing and <i>de Novo</i> Assembly                                                                   | FRONTIERS IN PLANT SCIENCE          | 9              | 10.3389/fpls.2018.00266           | ○     |          |    |      |         |        |

| 発行年  | 教員名   | 著者                                                                                                                                                                                                                             | 題名                                                                                                                                                                       | 雑誌名                                                 | 巻・ページ              | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2018 | 大西    | Fujita Yoshiaki, Sunaga Keita, Shim Su-Hyeun, Yamada Wataru, Ohnishi Takayuki                                                                                                                                                  | Production of a desirable <i>Brassica oleracea</i> CMS line using an alloplasmic <i>B.rapa</i> CMS line carrying <i>Diplotaxis erucoides</i> cytoplasm as a bridge plant | PLANT BREEDING                                      | 137:2:162-170      | 10.1111/pbr.12565                   | ○     |          |    |      |         |        |
| 2018 | 岡本    | Jun Takeuchi, Naoki Mimura, Masanori Okamoto, Shunsuke Yajima, Masayuki Sue, Tomonori Akiyama, Keina Monda, Koh Iba, Toshiyuki Ohnishi, Yasushi Todoroki                                                                       | Structure-Based Chemical Design of Abscissic Acid Antagonists That Block PYL-PP2C Receptor Interactions                                                                  | ACS chemical biology                                | 13:5:1313-1321     | 10.1021/acscchembio.8b00105         | ○     | ○        |    |      |         |        |
| 2018 | 岡本    | Kentaro Nakaminami, Masanori Okamoto, Mieko Higuchi-Takeuchi, Takeshi Yoshizumi, Yube Yamaguchi, Yoichiro Fukao, Minami Shimizu, Chihiro Ohashi, Maho Tanaka, Minami Matsui, Kazuo Shinozaki, Motoaki Seki, and Kousuke Hanada | AtPep3 is a hormone-like peptide that plays a role in the salinity stress tolerance of plants                                                                            | Proc. Natl. Acad. Sci. USA.                         | 115 (22):5810-5815 | 10.1073/pnas.1719491115             |       | ○        |    |      |         |        |
| 2018 | 岡本    | Wim Dejonghe, Masanori Okamoto, Sean R Cutler                                                                                                                                                                                  | Small Molecule Probes of ABA Biosynthesis and Signaling                                                                                                                  | Plant Cell Physiology                               | 59, 8, 1490-1499   | 10.1093/pcp/pcy126                  |       | ○        |    |      |         |        |
| 2018 | 川崎    | Kawasaki H, Asaithambi Manickam, Rima Shahin, Ote M, Iwanaga M                                                                                                                                                                 | Expression of matrix metalloproteinase genes during basement membrane degradation in the metamorphosis of <i>Bombyx mori</i>                                             | Gene                                                | 638:26-35          | 10.1016/j.gene.2017.09.031          |       |          | ○  |      |         |        |
| 2018 | 川崎 岩永 | Kawasaki Hideki, Manickam Asaithambi, Shahin Rima, Ote Manabu, Iwanaga Masashi                                                                                                                                                 | Expression of matrix metalloproteinase genes during basement membrane degradation in the metamorphosis of <i>Bombyx mori</i>                                             | GENE                                                | 638 : 26-35        | 10.1016/j.gene.2017.09.031          | ○     |          |    |      |         |        |
| 2018 | 児玉    | 児玉豊                                                                                                                                                                                                                            | 植物が温度を感じる仕組み～ようやく発見！植物の温度センサー分子～                                                                                                                                         | 化学と生物                                               | 57:21-28           |                                     | ○     |          |    |      |         |        |
| 2018 | 児玉    | 沼田圭司、土屋康佑、児玉豊                                                                                                                                                                                                                  | オルガネラ反応クラスターが切り拓くバイオマス社会                                                                                                                                                 | 植物の生長調節                                             | 53:80-83           |                                     | ○     |          |    |      |         |        |
| 2018 | 鈴木 児玉 | Tanaka H, Suzuki R, Okabe N, Suzuki T, Kodama Y                                                                                                                                                                                | Salinity stress-responsive transcription factors in the liverwort <i>Marchantia polymorpha</i>                                                                           | Plant Biotechnology                                 | 35(3):281-284      | 10.5511/plantbiotechnology.18.0501a | ○     |          |    |      |         |        |
| 2018 | 児玉    | Konno R, Tanaka H, Kodama Y                                                                                                                                                                                                    | SKLPT imaging: efficient in vivo pre-evaluation of genome-editing modules using fluorescent protein with peroxisome targeting signal                                     | Biochemical and Biophysical Research Communications | 503(1):235-241     | 10.1016/j.bbrc.2018.06.008          | ○     |          |    |      |         |        |
| 2018 | 児玉    | Tsuboyama S & Kodama Y                                                                                                                                                                                                         | Highly Efficient G-AgarTrap-mediated transformation of the <i>Marchantia polymorpha</i> model strains Tak-1 and Tak-2                                                    | Plant Biotechnology                                 | 35(4):399-403      | 10.5511/plantbiotechnology.18.0917a | ○     |          |    |      |         |        |
| 2018 | 児玉    | Tsuboyama Shoko, Kodama Yutaka                                                                                                                                                                                                 | AgarTrap Protocols on your Benchtop: Simple Methods for <i>Agrobacterium</i> -mediated Genetic Transformation of the Liverwort <i>Marchantia polymorpha</i>              | PLANT BIOTECHNOLOGY                                 | 35:2:93-99         | 10.5511/plantbiotechnology.18.0312b | ○     |          |    |      |         |        |
| 2018 | 児玉    | Fujii Yuta, Yoshimura Ayaka, Kodama Yutaka                                                                                                                                                                                     | A novel orange-colored bimolecular fluorescence complementation (BIFC) assay using monomeric Kusabira-Orange protein                                                     | BIOTECHNIQUES                                       | 64:4:153-161       | 10.2144/btn-2017-0121               | ○     |          |    |      |         |        |
| 2018 | 児玉    | Yoshizumi Takeshi, Oikawa Kazusato, Chuah Jo-Ann, Kodama Yutaka, Numata Keiji                                                                                                                                                  | Selective Gene Delivery for Integrating Exogenous DNA into Plastid and Mitochondrial Genomes Using Peptide-DNA Complexes                                                 | BIOMACROMOLECULES                                   | 19:5:1582-1591     | 10.1021/acs.biomac.8b00323          | ○     |          |    |      |         |        |
| 2018 | 児玉    | Fujii Yuta, Kodama Yutaka                                                                                                                                                                                                      | Refinements to light sources used to analyze the chloroplast cold-avoidance response over the past century                                                               | PLANT SIGNALING & BEHAVIOR                          | e1411452           | 10.1080/15592324.2017.1411452       | ○     |          |    |      |         |        |
| 2018 | 児玉    | Shoko Tsuboyama, Satoko Nonaka, Hiroshi Ezura & Yutaka Kodama                                                                                                                                                                  | Improved G-AgarTrap: A highly efficient transformation method for intact gemmalings of the liverwort <i>Marchantia polymorpha</i>                                        | Scientific Reports                                  | 8:10800(2018)      | 10.1038/s41598-018-28947-0          | ○     |          |    |      |         |        |
| 2018 | 金野    | Takahashi H, Kikuchi-Fujisaki S, Yoshida C, Yamada H, Yamashita T, Konno N, Takeda T                                                                                                                                           | Gtgen3A, a novel plant GH3 $\beta$ -glucosidase, modulates gentio-oligosaccharide metabolism in <i>Gentiana</i>                                                          | Biochemical Journal                                 | 475(7):1309-1322   | 10.1042/BCJ20170866                 | ○     | ○        |    |      |         |        |
| 2018 | 佐藤    | Sato Yusuke, Ohtsubo Hideaki, Nihei Naohiro, Kaneko Takane, Sato Yoriko                                                                                                                                                        | Apobec2 deficiency causes mitochondrial defects and mitophagy in skeletal muscle                                                                                         | FASEB JOURNAL                                       | 32:3:1428-1439     | 10.1096/fj.201700493R               | ○     |          |    |      |         |        |
| 2018 | 佐藤 吉澤 | Yoriko Sato, Yusuke Sato, Kodwo Amuzuah Obeng, Fumiaki Yoshizawa                                                                                                                                                               | Acute oral administration of L-leucine up-regulates slow-fiber and mitochondria-related genes in skeletal muscle of rats                                                 | Nutrition Research                                  | 57:36-44           | 10.1016/j.nutres.2018.05.006        | ○     |          | ○  |      |         |        |

| 発行年  | 教員名          | 著者                                                                                                                                                                                                                                                                                         | 題名                                                                                                                                                                                                    | 雑誌名                                   | 巻・ページ            | doi                          | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------|------------------------------|-------|----------|----|------|---------|--------|
| 2018 | 佐藤吉澤         | Yoriko Sato, Yusuke Sato, Reiko Suzuki, KodwoObeng, Fumiaki Yoshizawa                                                                                                                                                                                                                      | Leucyl-tRNA synthetase is required for the myogenic differentiation of C2C12 myoblasts, but not for hypertrophy or metabolic alteration of myotubes                                                   | Experimental Cell Research            | 364(2):184-190   | 10.1016/j.yexcr.2018.02.002  | ○     |          |    |      |         |        |
| 2018 | 謝            | Huwei Sun, Jinyuan Tao, Yang Bi, Mengmeng Hou, Jiajing Lou, Xinni Chen, Xuhong Zhang, Le Luo, Xiaonan Xie, Koichi Yoneyama, Quanzhi Zhao, Guohua Xu & Yali Zhang                                                                                                                           | <i>OsPIN1b</i> is Involved in Rice Seminal Root Elongation by Regulating Root Apical Meristem Activity in Response to Low Nitrogen and Phosphate                                                      | Scientific Reports                    | 8 : 13014 (2018) | 10.1038/s41598-018-29784-x   |       | ○        |    |      |         |        |
| 2018 | 謝野村          | Koichi Yoneyama, Xiaonan Xie, Kaori Yoneyama, Takaya Kisugi, Takahito Nomura, Yoshifumi Nakatani, Kohki Akiyama, Christopher S P McErlan                                                                                                                                                   | Which are the major players, canonical or non-canonical strigolactones?                                                                                                                               | Journal of Experimental Botany        | 69:9:2231-2239   | 10.1093/jxb/ery090           |       | ○        |    |      |         |        |
| 2018 | 鈴木 諸星        | Tomohiro Morohoshi, Taishiro Oi, Haruna Aiso, Tomohiro Suzuki, Tetsuo Okura, Shunsuke Sato                                                                                                                                                                                                 | Biofilm formation and degradation of commercially available biodegradable plastic films by bacterial consortium in freshwater environments                                                            | Microbes and Environments             | 33(3):332-335    | 10.1264/jsme2.ME18033        | ○     |          |    |      |         |        |
| 2018 | 鈴木           | Yamamoto N, Garcia R, Suzuki T, Solis C. A, Tada Y, Venuprasad R, Kohli A                                                                                                                                                                                                                  | Comparative whole genome re-sequencing analysis in upland New Rice for Africa: insights into the breeding history and respective genome compositions                                                  | Rice                                  | 11:33            | 10.1186/s12284-018-0224-3    | ○     |          |    |      |         |        |
| 2018 | 鈴木 達沢        | Morishima K, Suzuki T, Aizawa M                                                                                                                                                                                                                                                            | Characterization of 13 polymorphic microsatellite loci in the Japanese land leech                                                                                                                     | Parasitology International            | 67(1):13-15      | 10.1016/j.parint.2017.10.002 | ○     |          |    |      |         |        |
| 2018 | 園田           | Aizawa M, Nakai K, Kikuchi T, Kumano A, tamagaki K, Sonoda S                                                                                                                                                                                                                               | A simple method for monitoring cypermethrin resistance in <i>Thrips tabaci</i> (Thysanoptera: Thripidae) using agar-coated glass pipettes                                                             | Applied Entomology and Zoology        | 53:165-170       | 10.1007/s13355-017-0541-9    | ○     |          |    |      |         |        |
| 2018 | 園田           | Aizawa M, Watanabe T, Kumano A, Tamagaki K, Sonoda S                                                                                                                                                                                                                                       | Biotic performances of thelytokous and arrhenotokous strains showing resistance to cypermethrin in <i>Thrips tabaci</i> (Thysanoptera: Thripidae)                                                     | Applied Entomology and Zoology        | 53:11-17         | 10.1007/s13355-017-0522-z    | ○     |          |    |      |         |        |
| 2018 | 長尾           | Hara A, Abe T, Hirao A, Sanbe K, Ayakawa H, Borjigin SARANTONGLAGA, Yamaguchi M, Sato A, Atchalalt KHURCHABILIG, Ogata K, Fukumori R, Sugita S, Nagao Y                                                                                                                                    | Histochemical properties of bovine and ovine mammary glands during fetal development                                                                                                                  | Journal of Veterinary Medical Science | 80(2): 263-271   | 10.1292/jvms.17-0584         | ○     |          |    |      |         |        |
| 2018 | 長尾           | Sato A, Sarentonglaga B, Ogata K, Yamaguchi M, Hara A, Atchalalt K, Sugane N, Fukumori R, Nagao Y                                                                                                                                                                                          | Effects of insulin-like growth factor-1 on the <i>in vitro</i> maturation of canine oocytes                                                                                                           | J Reprod Dev                          | 64:1:83-88       | 10.1262/jrd.2017-145         | ○     |          |    |      |         |        |
| 2018 | 庭野 幸川        | Niwano Takao, Terazawa Shuko, Sato Yoriko, Kato Takahiro, Nakajima Hiroaki, Gengi Imokawa                                                                                                                                                                                                  | Glucosamine abrogates the stem cell factor plus endothelin-1-induced stimulation of melanogenesis via a deficiency in MITF expression due to the proteolytic degradation of CREB in human melanocytes | ARCHIVES OF DERMATOLOGICAL RESEARCH   | 310:8:625-637    | 10.1007/s00403-018-1850-8    | ○     |          |    |      |         |        |
| 2018 | 庭野 幸川        | Niwano Takao, Terazawa Shuko, Nakajima Hiroaki, Imokawa Genji                                                                                                                                                                                                                              | The stem cell factor-stimulated melanogenesis in human melanocytes can be abrogated by interrupting the phosphorylation of MSK1: evidence for involvement of the p38/MSK1/CREB/MITF axis              | ARCHIVES OF DERMATOLOGICAL RESEARCH   | 310:3:187-196    | 10.1007/s00403-018-1816-x    | ○     |          |    |      |         |        |
| 2018 | 米山 謝野村       | Yoneyama K, Xie X, Yoneyama K, Kisugi T, Nomura T, Nakatani Y, Akiyama K, Christopher S P McErlan                                                                                                                                                                                          | Which are the Major Players, Canonical or Non-Canonical Strigolactones?                                                                                                                               | Journal of Experimental Botany        | 69:9:2231-2239   | 10.1093/jxb/ery090           |       | ○        |    | ○    |         |        |
| 2018 | 野村           | Norma Fábregas, Fidel Lozano-Elena, David Blasco-Escámez, Takayuki Tohge, Cristina Martínez-Andújar, Alfonso Albacete, Sonia Osorio, Mariana Bustamante, José Luis Riechmann, Takahito Nomura, Takao Yokota, Ana Conesa, Francisco Pérez Alfocea, Alisdair R. Fernie & Ana I. Caño-Delgado | Overexpression of the vascular brassinosteroid receptor BRL3 confers drought resistance without penalizing plant growth                                                                               | NATURE COMMUNICATIONS                 | 1:9:4680         | 10.1038/s41467-018-06861-3   |       | ○        |    |      |         |        |
| 2018 | 謝岡本 岩永 米山 野村 | Yoneyama K, Mori N, Stao T, Yoda A, Xie X, Okamoto M, Iwanaga M, Ohnishi T, Nishiwaki H, Asami T, Yokota T, Akiyama K, Yoneyama K, Nomura T                                                                                                                                                | Conversion of carlactone to carlactonoic acid is a conserved function of MAX1 homologs in strigolactone biosynthesis                                                                                  | New Phytologist                       | 218:4:1522-1533  | 10.1111/nph.15055            | ○     | ○        |    | ○    |         |        |

| 発行年  | 教員名       | 著者                                                                                                                  | 題名                                                                                                                                                                                                                                                             | 雑誌名                                                             | 巻・ページ           | doi                           | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------|-------------------------------|-------|----------|----|------|---------|--------|
| 2018 | 福井松本      | Fukui E, Zhang C, Suzuki N, Matsumoto H, Kawanobe A, Sakurai Y, Ooshima T, Muroi S, Kuwahata A, Ochi M, Yoshizawa M | Analysis of a single nucleotide polymorphism in the BRCA1 gene in Holstein cattle and its mRNA expression in the gonads                                                                                                                                        | Journal of Comparative Clinical Medicine                        | 25:1-8          |                               | ○     |          | ○  |      |         |        |
| 2018 | 福井        | Moriyama Y, Yamaura H, J. Ole Becker, Fukui R                                                                       | Soil biological and physiochemical factors limiting the growth potential of tomato planted in waterlogged volcanic soil                                                                                                                                        | Journal of Plant Nutrition 41                                   | 41:17:2151-2169 | 10.1080/01904167.2018.1482914 |       |          |    | ○    |         |        |
| 2018 | 福井        | Shimizu Y, Sagiya D, Fukui R                                                                                        | Zonal Soil Amendment with Simple Sugars to Elevate Soil C/N Ratios as an Alternative Disease Management Strategy for Rhizoctonia Damping-off of Sugar Beet                                                                                                     | Plant Disease 102                                               | 102:7           | 10.1094/PDIS-09-16-1279-RE    |       |          |    | ○    |         |        |
| 2018 | 燕山前田      | Kusumah D, Kabuyama Y and Maeda I                                                                                   | Promotion of fungal growth, antibacterial and antioxidative activities in tempe produced with soybeans thermally treated using steam pressure                                                                                                                  | Food Sci Technol Res                                            | 24(3):395-402   | 10.3136/fstr.24.395           | ○     |          |    |      |         |        |
| 2018 | 水重        | Osawa Yoshihiro, Mizushige Takafumi, Jinno Sayuri, Sugihara Fumihito, Inoue Naoki                                   | Absorption and metabolism of orally administered collagen hydrolysates evaluated by the vascularly perfused rat intestine and liver in situ                                                                                                                    | BIOMEDICAL RESEARCH-TOKYO                                       | 39:1:1-11       | 10.2220/biomedres.39.1        |       |          | ○  |      |         |        |
| 2018 | 水重 燕山     | Osawa Y, Mizushige T, Jinno S, Sugihara F, Inoue N, Tanaka H, Kabuyama Y                                            | Absorption and metabolism of orally administered collagen hydrolysates evaluated by the vascularly perfused rat intestine and liver in situ                                                                                                                    | Biomed Res                                                      | 39(1):1-11      | 10.2220/biomedres.39.1        | ○     |          | ○  |      |         |        |
| 2018 | 宮川        | Takahiro Tanaka, Taisen Iguchi, Hitoshi Miyakawa                                                                    | Establishment of a high-sensitivity reporter system in mammalian cells for detecting juvenoids using juvenile hormone receptors of <i>Daphnia pulex</i>                                                                                                        | Journal of Applied Toxicology                                   | 39:2:241-246    | 10.1002/jat.3713              | ○     |          |    |      |         |        |
| 2018 | 宮川        | Miyakawa H, Watanabe M, Araki M, Ogino Y, Miyagawa S, Iguchi T                                                      | Juvenile hormone-independent function of <i>Krüppel homolog 1</i> in early development of water flea <i>Daphnia pulex</i>                                                                                                                                      | Insect Biochemistry and Molecular Biology                       | 93:12-18        | 10.1016/j.ibmb.2017.12.007    | ○     |          |    |      |         |        |
| 2018 | 宮川        | Miyakawa MO, Tsuchida K, Miyakawa H                                                                                 | The <i>doublesex</i> gene integrates multi-locus complementary sex determination signals in the Japanese ant, <i>Vollenhovia emeryi</i>                                                                                                                        | Insect Biochemistry and Molecular Biology                       | 94:42-49        | 10.1016/j.ibmb.2018.01.006    | ○     |          |    |      |         |        |
| 2018 | 宮川        | Miyakawa H, Sato T, Song Y, Tollefsen KE, Iguchi T                                                                  | Ecdysteroid and juvenile hormone biosynthesis, receptors and their signaling in the freshwater microcrustacean <i>Daphnia</i>                                                                                                                                  | Journal of Steroid Biochemistry and Molecular Biology, in press | 184:62-68       | 10.1016/j.jsbmb.2017.12.006   | ○     |          |    |      |         |        |
| 2018 | 諸星        | T Morohoshi, K Ogata, T Okura, and S Sato.                                                                          | Molecular characterization of the bacterial community in biofilm for degradation of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) films in seawater                                                                                                            | Microb Environ                                                  | 33:19-25        | 10.1264/jsme2.ME17052         | ○     |          |    |      |         |        |
| 2018 | 矢ヶ崎       | Komatsu W, Kishi H, Yagasaki K, Ohhira S                                                                            | Urolithin A attenuates pro-inflammatory mediator production by suppressing PI3-K/Akt/NF- $\kappa$ B and JNK/AP-1 signaling pathways in lipopolysaccharide-stimulated RAW264 macrophages: Possible involvement of NADPH oxidase-derived reactive oxygen species | Eur J Pharmacol                                                 | 833:411-424     | 10.1016/j.ejphar.2018.06.023  |       |          | ○  |      |         |        |
| 2018 | 矢ヶ崎       | Muller CJF, Malherbe CJ, Chellan N, Yagasaki K, Miura Y, Joubert E                                                  | Potential of rooibos, its major C-glucosyl flavonoids, and Z-2-( $\beta$ -D-glucopyranosyloxy)-3-phenylpropenoic acid in prevention of metabolic syndrome                                                                                                      | Crit Rev Food Sci Nutr                                          | 58(2):227-246   | 10.1080/10408398.2016.1157568 |       |          | ○  |      |         |        |
| 2018 | 矢ヶ崎 安達    | 矢ヶ崎一三, 安達真一                                                                                                         | 高尿酸血症を抑制するファイトケミカル素材                                                                                                                                                                                                                                           | New Food Industry                                               | 60(12): 19-26   |                               | ○     |          | ○  |      |         |        |
| 2018 | 矢ヶ崎 近藤 安達 | 矢ヶ崎一三, 近藤真司, 安達真一                                                                                                   | イチゴを含む食品素材中ポリフェノールの糖尿病と高尿酸血症に対する作用                                                                                                                                                                                                                             | 日本ポリフェノール学会雑誌 (The Journal of Japan Polyphenol Society)         | 7(1), 42-48     |                               | ○     |          | ○  |      |         |        |

| 発行年  | 教員名                        | 著者                                                                                                                                                                                                                                                                     | 題名                                                                                                                                                               | 雑誌名                                                | 巻・ページ             | doi                         | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------|-----------------------------|-------|----------|----|------|---------|--------|
| 2018 | 山根                         | Inna Martha Rumainum, Kanjana Worarada, Varit Srilaong, Kenji Yamane                                                                                                                                                                                                   | Fruit quality and antioxidant capacity of six Thai mango cultivars                                                                                               | Agriculture and Natural Resources                  | 52:2:208-214      | 10.1016/j.anres.2018.06.007 |       |          |    | ○    |         |        |
| 2018 | 山根                         | Yamane Kenji, Sumida Kitano, Terui Yuri, Kojima Nagisa, Burana Chairat                                                                                                                                                                                                 | Temperature-dependent Flower Malformation in Carnations ( <i>Dianthus caryophyllus</i> L.)                                                                       | HORTICULTURE JOURNAL                               | 87:3:406-412      | 10.2503/hortj.OKD-151       | ○     |          |    | ○    |         |        |
| 2018 | 陽川                         | Yokawa K, Kagenishi T, Pavlovic A, Gall S, Weiland M                                                                                                                                                                                                                   | Anaesthetics stop diverse plant organ movements, affect endocytic vesicle recycling and ROS homeostasis, and block action potentials in Venus flytraps           | ANNALS OF BOTANY                                   | 122:5:747-756     | 10.1093/aob/mcx155          | ○     |          |    |      |         |        |
| 2018 | 吉澤                         | Nobue Kuniyoshi, Yuji Yoshida, Yoshiki Itoh, Shin-Ichi Yokota, Takeshi Kuraishi, Shosaku Hattori, Tomohiro Kondo, Midori Yoshizawa, Chieko Kai, Yasuo Kiso, Ken Takeshi Kusakabe                                                                                       | Morphological analyses of the retinal photoreceptor cells in the nocturnally adapted owl monkeys                                                                 | JOURNAL OF VETERINARY MEDICAL SCIENCE              | 80:3:413-420      | 10.1292/jvms.17-0418        |       |          | ○  |      |         |        |
| 2017 | 夏秋                         | María Laura García, Elena Dal Bó, John V. da Graça, Selma Gago-Zachert, John Hammond, Pedro Moreno, Tomohide Natsuaki, Vicente Pallás, Jose A. Navarro, Carina A. Reyes, Gabriel Robles Luna, Takahide Sasaya, Ioannis E. Tzanetakis, Anna Maria Vaira, Martin Verbeek | ICTV Virus Taxonomy Profile: <i>Ophioviridae</i>                                                                                                                 | JOURNAL OF GENERAL VIROLOGY                        | 98:1161-1162      | 10.1099 / jgv.0.000836      | ○     |          |    |      |         |        |
| 2017 | 児玉                         | Ushijima T, Hanada K, Gotoh E, Yamori W, Kodama Y, Tanaka H, Kusano M, Fukushima A, Tokizawa M, Yamamoto YY, Tada Y, Suzuki Y & Matsushita T                                                                                                                           | Light controls protein localization through phytochrome-mediated alternative promoter selection                                                                  | Cell                                               | 171:1316-1325     | 10.1016/j.cell.2017.10.018  | ○     |          |    |      |         |        |
| 2017 | 児玉                         | Osaki Y & Kodama Y                                                                                                                                                                                                                                                     | Particle bombardment and subcellular protein localization analysis in the aquatic plant <i>Egeria densa</i>                                                      | PeerJ                                              | 5:e3779           | 10.7717/peerj.3779          | ○     |          |    |      |         |        |
| 2017 | 児玉                         | Tanaka H, Sato M, Ogasawara Y, Hamashima N, Buchner O, Holzinger A, Toyooka K & Kodama Y                                                                                                                                                                               | Chloroplast aggregation during the cold-positioning response in the liverwort <i>Marchantia polymorpha</i>                                                       | J Plant Res                                        | 130:1061-1070     | 10.1007/s10265-017-0958-9   | ○     |          |    |      |         |        |
| 2017 | 児玉                         | Hoshino S, Takisawa R & Kodama Y                                                                                                                                                                                                                                       | Swarm robotics systems based on collective behavior of chloroplasts                                                                                              | J Robot Mechatron                                  | 29:602-612        | 10.20965/jrm.2017.p0602     | ○     |          |    |      |         |        |
| 2017 | 児玉                         | Higa T, Hasegawa S, Hayasaki Y, Kodama Y & Wada M                                                                                                                                                                                                                      | Temperature-dependent signal transmission in chloroplast accumulation response                                                                                   | J Plant Res                                        | 130:1061-1070     | 10.1007/s10265-017-0938-0   | ○     |          |    |      |         |        |
| 2017 | 逢沢<br>大久保                  | Aizawa M, Enkawa C, Ohkubo T                                                                                                                                                                                                                                           | Fine-scale asexual and sexual reproduction in <i>Quercus crispula</i> var. <i>horikawae</i> , a stunted shrub oak, on a mountain with deep snow in central Japan | Plant Species Biology                              | 32: 323-332       | 10.1111/1442-1984.12165     | ○     |          |    |      |         |        |
| 2017 | 園田                         | Itagaki Y, Sonoda S                                                                                                                                                                                                                                                    | Seasonal proportion change of ryanodine receptor mutation (G4946E) in diamondback moth populations                                                               | Journal of Pesticide Science                       | 42:3:116-118      | 10.1584/jpestics.D17-033    | ○     |          |    |      |         |        |
| 2017 | 園田                         | David Wari, 佐藤翼, 山下純, 園田昌司                                                                                                                                                                                                                                             | カブリダニ類(ダニ目：カブリダニ科)の天敵温存植物ヤイトバナ(アカネ科)がモモ園場におけるハダニ類(ダニ目：ハダニ科)の発生に及ぼす影響                                                                                             | 日本応用動物昆虫学会誌                                        | 61:3:178-183      | 10.1303/jjaez.2017.178      | ○     |          |    |      |         |        |
| 2017 | 園田                         | Sonoda S, Inukai K, Kitabayashi S, Kuwazaki S, Jouraku A                                                                                                                                                                                                               | Molecular evaluation of diamide resistance in diamondback moth (Lepidoptera: Yponomeutidae) populations using quantitative sequencing                            | Applied Entomology and Zoology                     | 52:353-357        | 10.1007/s13355-017-0482-3   | ○     |          |    |      |         |        |
| 2017 | 宮川                         | Miyakawa H, Iguchi T                                                                                                                                                                                                                                                   | Comparative luciferase assay for establishing reliable <i>in vitro</i> screening system of juvenile hormone agonists                                             | Journal of Applied Toxicology                      | 37(9):1082-1090   | 10.1002/jat.3459            | ○     |          |    |      |         |        |
| 2017 | 鈴木<br>黒倉<br>飯郷<br>羽生<br>金野 | Yuki Tanaka, Tomohiro Suzuki, Takeshi Kurokura, Masayuki Iigo, Fubito Toyama, Naoto Habu, Hideo Dohra & Naotake Konno                                                                                                                                                  | The complete genome sequence and phylogenetic analysis of the mitochondrial DNA of the wood-decaying fungus <i>Fomitopsis palustris</i>                          | Genes & Genomics                                   | 39(2):1377-1385   | 10.1007/s13258-017-0603-y   | ○     | ○        |    |      |         |        |
| 2017 | 児玉<br>金野                   | Fujii Y, Tanaka H, Konno N, Ogasawara Y, Hamashima N, Tamura S, Hasegawa S, Hayasaki Y, Okajima K, Kodama Y                                                                                                                                                            | Phototropin perceives temperature based on the lifetime of its photoactivated state                                                                              | Proceeding of the National Academy of Sciences USA | 114(34):9206-9211 | 10.1073/pnas.1704462114     | ○     | ○        |    |      |         |        |
| 2017 | 金野                         | Sakamoto Y, Nakade K, Sato S, Yoshida K, Miyazaki K, Natsume S, Konno N                                                                                                                                                                                                | <i>Lentinula edodes</i> Genome Survey and Postharvest Transcriptome Analysis                                                                                     | Applied and Environmental Microbiology             | 83:e02990-16      | 10.1128/AEM.02990-16        | ○     | ○        |    |      |         |        |

| 発行年  | 教員名            | 著者                                                                                                                           | 題名                                                                                                                                                                                                                                                      | 雑誌名                              | 巻・ページ            | doi                              | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|----------------------------------|-------|----------|----|------|---------|--------|
| 2017 | 鈴木<br>金野<br>羽生 | Suzuki T, Kikuchi M, Konno N, Habu N                                                                                         | Draft Genome Sequence of <i>Brevundimonas</i> sp. Strain SH203, Producing Cellouronate ( $\beta$ -1,4-Linked Polyglucuronate) Lyase                                                                                                                     | Genome Announcements             | 5(18):e00262-17  | 10.1128/genomeA.00262-17         | ○     | ○        |    |      |         |        |
| 2017 | 高橋             | Eroglu S, Giehl RFH, Meier B, Takahashi M, Terada Y, Ignatyev K, Andresen E, Küpper H, Peiter E, von Wörén N                 | Metal Tolerance Protein 8 Mediates Manganese Homeostasis and Iron Reallocation during Seed Development and Germination                                                                                                                                  | Plant Physiol                    | 174(3):1633-1647 | 10.1104/pp.16.01646              | ○     |          |    |      |         |        |
| 2017 | 高橋             | Senoura T, Sakashita E, Kobayashi T, Takahashi M, Aung MS, Masuda H, Nakanishi H, Nishizawa NK                               | The iron-chelate transporter OsYSL9 plays a role in iron distribution in developing rice grains                                                                                                                                                         | Plant Mol Biol                   | 95:375-387       | 10.1007/s11103-017-0656-y        | ○     |          |    |      |         |        |
| 2017 | 黒倉             | Kurokura T, Samad S, Koskela E, Mouhu K, Hytönen T                                                                           | <i>Fragaria vesca</i> CONSTANS controls photoperiodic flowering and vegetative development                                                                                                                                                              | Journal of Experimental Botany   | 68:17:4839-4850  | 10.1093/jxb/erx301               | ○     |          |    |      |         |        |
| 2017 | 黒倉<br>山根       | Kurokura T, Hiraide S, Shimamura Y, Yamane K                                                                                 | PGPR improves yield of strawberry species under less-fertilized conditions                                                                                                                                                                              | Environmental Control in Biology | 55(3):121-128    | 10.2525/ecb.54.121               | ○     |          |    |      |         |        |
| 2017 | 黒倉             | Samad S, Kurokura T, Koskela E, Toivainen T, Patel V, Mouhu K, Sargent DJ, Hytönen T                                         | Additive QTLs on three chromosomes control flowering time in woodland strawberry ( <i>Fragaria vesca</i> L.)                                                                                                                                            | Horticulture Research 4          | 17020            | 10.1038/hortres.2017.20          | ○     |          |    |      |         |        |
| 2017 | 黒倉             | Koskela EA, Kurokura T, Toivainen T, Sønsteby A, Heide OM, Sargent DJ, Isobe S, Jaakola L, Hilmarsson H, Elomaa P, Hytönen T | Altered regulation of <i>TERMINAL FLOWER 1</i> causes the unique vernalisation response in an arctic woodland strawberry accession                                                                                                                      | New Phytologist                  | 216:3:841-853    | 10.1111/nph.14734                | ○     |          |    |      |         |        |
| 2017 | 山根             | Burana C, Yamane K                                                                                                           | Responses of cut <i>Cattleya</i> orchid 'Lc. Spring Clima × Christina' flowers to high carbon dioxide as related to controlled atmosphere                                                                                                               | Acta Hort                        | 1167:407-412     | 10.17660/ActaHortic.2017.1167.59 | ○     |          |    |      |         |        |
| 2017 | 謝              | Trabalsi I, Yoneyama K, Abbasa Z, Amria M, Xie X, Kisugi T, Kim HI, Kharrata M, Yoneyama K                                   | Characterization of strigolactones produced by <i>Orobancha foetida</i> and <i>Orobancha crenata</i> resistant faba bean ( <i>Vicia faba</i> L.) genotypes and effects of phosphorous, nitrogen, and potassium deficiencies on strigolactone production | South African Journal of Botany  | 108:15-22        | 10.1016/j.sajb.2016.09.009       |       | ○        |    | ○    |         |        |
| 2017 | 謝<br>山根        | Worad K, Xie X, Rumainum IM, Burana C, Yamane K                                                                              | Effects of fluridone treatment on seed germination and dormancy-associated gene expression in an ornamental peach ( <i>Prunus persica</i> (L.) Batsch)                                                                                                  | The Horticulture Journal         | 86(3): 317-326   | 10.2503/hortj.OKD-043            |       | ○        |    |      |         |        |
| 2017 | 謝              | Yang C, Xu L, Zhang Na, Islam F, Song W, Hu L, Liu D, Xie X, Zhou W                                                          | iTRAQ - based proteomics of sunflower cultivars differing in resistance to parasitic weed <i>Orobancha cumana</i>                                                                                                                                       | Proteomics                       | 17:13-17:1700009 | 10.1002/pmic.201700009           |       | ○        |    |      |         |        |
| 2017 | 謝              | Pratiwi P, Tanaka G, Takahashi T, Xie X, Yoneyama K, Matsuura H, Takahashi K                                                 | Identification of jasmonic acid and jasmonoyl-isoleucine, and characterization of AOS, AOC, OPR and JAR1 in the model lycophyte <i>Selaginella moellendorffii</i>                                                                                       | Plant and Cell Physiology        | 58:4:789-801     | 10.1093/pcp/pcx031               |       | ○        |    |      |         |        |
| 2017 | 謝<br>諸星        | Morohoshi T, Yamaguchi T, Xie X, Wang W, Takeuchi K, Someya N                                                                | Complete Genome Sequence of <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> Reveals a Triplicate Quorum-Sensing Mechanism for Regulation of Phenazine Production                                                                               | Microbes and Environments        | 32:1:47-53       | 10.1264/jsme2.ME16162            |       | ○        |    |      |         |        |
| 2017 | 謝<br>吉澤        | 伊藤和子, 阿久津智美, 渡邊恒夫, 謝 肖男, 小松渡, 吉澤史昭, 宇田靖                                                                                      | ナス下漬液由来粉末のORAC値およびヒアルロニダーゼ阻害活性に対するナスニンの寄与                                                                                                                                                                                                               | 日本食品科学工学会誌                       | 64:1:43-49       | 10.3136/nskkk.64.43              |       | ○        |    |      |         |        |
| 2017 | 諸星             | Morohoshi T, Sato N, Izumi T, Tanaka A, Ikeda T                                                                              | Identification and characterization of a novel <i>N</i> -acyl-homoserine lactonase gene in <i>Sphingomonas ursincola</i> isolated from industrial cooling water systems                                                                                 | J. Biosci. Bioeng                | 123:5:569-575    | 10.1016/j.jbiosc.2016.12.010     | ○     |          |    |      |         |        |
| 2017 | 小寺             | 小寺祐二, 竹田努, 平田慶                                                                                                               | 栃木県、茨城県および福島県にまたがる八溝山地域に生息するイノシシの放射性セシウムによる汚染状況の評価                                                                                                                                                                                                      | 哺乳類科学                            | 57:1:9-18        | 10.11238/mammalianscience.57.9   |       |          |    |      |         | ○      |
| 2017 | 福井<br>吉澤<br>松本 | Takeuchi M, Seki M, Furukawa E, Takahashi A, Saito K, Kobayashi M, Ezoe K, Fukui E, Yoshizawa M, Matsumoto H                 | Improvement of implantation potential in mouse blastocysts derived from IVF by combined treatment with prolactin, epidermal growth factor and 4-hydroxyestradiol                                                                                        | Molecular Human Reproduction     | 23: 557-570      | 10.1093/molehr/gax035            | ○     |          | ○  |      |         |        |

| 発行年  | 教員名            | 著者                                                                                                                    | 題名                                                                                                                                                           | 雑誌名                                    | 巻・ページ          | doi                              | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------|----------------------------------|-------|----------|----|------|---------|--------|
| 2017 | 水重 蕪山          | Mizushige T, Komiya M, Onda M, Uchida K, Hayamizu K, Kabuyama Y                                                       | Fish protein hydrolysate exhibits anti-obesity activity and reduces hypothalamic neuropeptide Y and agouti-related protein mRNA expressions in rats          | Biomed Res                             | 38(6):351-357  | 10.2220/biomedres.38.351         | ○     |          | ○  |      |         |        |
| 2017 | 川崎             | Hai-yan Yan, Mita K, Xia Zhao, Tanaka Y, Moriyama M, HuabinWang, Iwanaga M, Kawasaki H                                | The angiotensin-converting enzyme (ACE) gene family of Bombyx mori                                                                                           | Gene                                   | 608:58-65      | 10.1016/j.gene.2017.01.017       |       |          | ○  |      |         |        |
| 2017 | 二瓶             | Nihei K, Kubo I                                                                                                       | Substituent Effect of Benzaldehydes on Tyrosinase Inhibition                                                                                                 | Plant Physiol. Biochem.                | 112:278-282    | 10.1016/j.plaphy.2017.01.009     |       | ○        |    |      |         |        |
| 2017 | 二瓶             | Iwate T, Nihei K                                                                                                      | Chemical Synthesis, Redox Transformation, and Identification of Sonnerphenolic C, an Antioxidant in <i>Acer nikoense</i>                                     | Bioorg. Med. Chem. Lett                | 27:8:1799-1802 | 10.1016/j.bmcl.2017.02.054       |       | ○        |    |      |         |        |
| 2017 | 二瓶             | Sato T, Fukuda F, Nihei K, Itoh N                                                                                     | Effect of temperature and pressure on the extraction of strawberry receptacles with a mixture of supercritical carbon dioxide and entrainers                 | J. Supercrit. Fluids 2017              | 130:23-29      | 10.1016/j.supflu.2017.07.011     |       | ○        |    |      |         |        |
| 2017 | 二瓶             | Kazuma K, Ando K, Nihei K, Wang X, Rangel M, Franzolin M. R, Mori-Yasumoto K, Sekita S, Kadowaki M, Satake M, Konno K | Peptidomic Analysis of the Venom of the Solitary Bee <i>Xylocopa appendiculata circumvolans</i>                                                              | J. Venom Anim. Toxins incl. Trop. Dis. | 23:40          | 10.1186/s40409-017-0130-y        |       | ○        |    |      |         |        |
| 2017 | 飯塚             | Wang W, Matsushita Y, Aoki D, Fukushima K, Tomioka R, Iizuka K, Takenaka C                                            | Decontamination of Cs from cedar ( <i>Cryptomeria japonica</i> ) via kraft cooking                                                                           | J Wood Sci                             | 63:388-395     | 10.1007/s10086-017-1628-1        |       |          |    |      |         | ○      |
| 2017 | 飯塚             | 飯塚和也, 大島潤一                                                                                                            | 宇都宮大学演習林のスギ林におけるCs-137濃度に関するモニタリング                                                                                                                           | 水利科学                                   | 61:2:13-25     | 10.20820/suirikagaku.61.2_13     |       |          |    |      |         | ○      |
| 2017 | 平井             | 平井英明、赤羽幾子、平井雅世                                                                                                        | 児童を対象とした土に関するアンケート調査の解析からみえた土壌教育の重要性～東京都（板橋区、府中市）と栃木県（大田原市、市貝町）の調査データより～                                                                                     | 日本土壌肥科学雑誌                              | 88:3:205-212   | 10.20710/dojo.88.3_205           |       |          |    |      |         |        |
| 2017 | 野村 岡本          | Sano N, Kim J.-S, Onda Y, Nomura T, Mochida K, Okamoto M, Seo M                                                       | RNA-Seq using bulked recombinant inbred line populations uncovers the importance of brassinosteroid for seed longevity after priming treatments              | Scientific Reports                     | 8095           | 10.1038/s41598-017-08116-5       | ○     | ○        |    | ○    |         |        |
| 2017 | 謝 野村           | Xie X, Kisugi T, Yoneyama K, Nomura T, Akiyama K, Uchida K, Yokota T, McElean C.S.P, Yoneyama K                       | Methyl zealactonate, a novel germination stimulant for root 1 parasitic weeds produced by maize                                                              | J. Pestic. Sci                         | 42:2:58-61     | 10.1584/jpestics.D16-103         |       | ○        |    | ○    |         |        |
| 2017 | 野村             | Yokota T, Ohnishi T, Shibata K, Asahina M, Nomura T, Fujita T, Ishizaki K, Kohchi T                                   | Occurrence of brassinosteroids in non-flowering land plants, liverwort, moss, lycophyte and fern                                                             | Phytochemistry                         | 136: 46-55     | 10.1016/j.phytochem.2016.12.020  |       | ○        |    | ○    |         |        |
| 2017 | 鈴木 黒倉 飯郷 羽生 金野 | Tanaka Y, Suzuki T, Kurokura T, Iigo M, Fubito T, Habu N, Dohra H, Konno N.                                           | The complete genome sequence and phylogenetic analysis of the mitochondrial DNA of the wood-decaying fungus <i>Fomitopsis palustris</i>                      | Genes & Genomics                       | 39:1377-1385   | 10.1007/s13258-017-0603-y        | ○     |          |    |      |         |        |
| 2017 | 鈴木 山根          | Worarad K, Suzuki T, Rumainum I, Yamane K                                                                             | Effects of rinsing and chilling on germination and expression of dormancy-associated genes in seeds of 'Hokimomo' peach ( <i>Prunus persica</i> (L.) Batsch) | Acta horticulture                      | 1167:413-418   | 10.17660/ActaHortic.2017.1167.60 | ○     |          |    |      |         |        |
| 2017 | 鈴木 奈須野 黒倉      | Nasuno E, Suzuki T, Suzuki R, Okano C, Kurokura T, Iimura K, Kato N                                                   | Novel Quorum Quenching Enzymes Identified from Draft Genome of <i>Roseomonas</i> sp. TAS13                                                                   | Genomics Data                          | 12:22-23       | 10.1016/j.gdata.2017.02.001      | ○     |          |    |      |         |        |
| 2017 | 鈴木             | Ramphul C, Casareto BE, Dohra H, Suzuki T, Yoshimatsu K, Yoshinaga K, Suzuki Y                                        | Genome analysis of three novel lytic <i>Vibrio corallilyticus</i> phages isolated from seawater, Okinawa, Japan                                              | Marine Genomics                        | 35:69-75       | 10.1016/j.margen.2017.06.005     | ○     |          |    |      |         |        |
| 2017 | 二瓶 吉澤 矢ヶ崎      | Adachi S, Nihei K, Ishihara Y, Yoshizawa F, Yagasaki K                                                                | Anti-hyperuricemic Effect of Taxifolin in Cultured Hepatocytes and Model Mice                                                                                | Cytotechnology 2017                    | 69:329-336     | 10.1007/s10616-016-0061-4        | ○     | ○        | ○  |      |         |        |

| 発行年  | 教員名     | 著者                                                                                                 | 題名                                                                                                                                                                                             | 雑誌名                            | 巻・ページ          | doi                          | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|---------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------|------------------------------|-------|----------|----|------|---------|--------|
| 2017 | 矢ヶ崎吉澤   | Adachi S, Yoshizawa F, Yagasaki K                                                                  | Hyperuricemia in type 2 diabetic model KK-Ay/Ta mice: a potent animal model with positive correlation between insulin resistance and plasma high uric acid levels                              | BMC Res Notes                  | 7:10(1):577    | 10.1186/s13104-017-2897-x    | ○     |          | ○  |      |         |        |
| 2017 | 矢ヶ崎     | 矢ヶ崎一三, 安達真一, 近藤真司                                                                                  | 糖尿病・脂質異常症・高尿酸血症と食品素材                                                                                                                                                                           | FOOD STYLE                     | 21(8):54-59    |                              | ○     |          | ○  |      |         |        |
| 2017 | 矢ヶ崎     | 矢ヶ崎一三                                                                                              | キャベツの抗がん作用                                                                                                                                                                                     | 食べもの通信                         | 555 (5):8-10   |                              |       |          |    |      |         |        |
| 2017 | 矢ヶ崎吉澤   | Adachi S, Yoshizawa F, Yagasaki K                                                                  | Assay systems for screening food and natural substances that have anti-hyperuricemic activity: uric acid production in cultured hepatocytes and purine bodies-induced hyperuricemic model mice | Cytotechnology                 | 69:435-442     | 10.1007/s10616-016-0005-z    | ○     |          | ○  |      |         |        |
| 2017 | 矢ヶ崎吉澤   | Zhou F, Furuhashi K, Son MJ, Toyozaki M, Yoshizawa F, Miura Y, Yagasaki K                          | Antidiabetic effect of enterolactone in cultured muscle cells and in type 2 diabetic model db/db mice                                                                                          | Cytotechnology                 | 69(3):493-502  | 10.1007/s10616-016-9965-2    | ○     |          | ○  |      |         |        |
| 2016 | 逢沢飯塚大久保 | 逢川千聡, 逢沢峰昭, 中山ちさ, 飯塚和也, 大久保達弘                                                                      | 那須山系におけるミヤマナラの更新様式                                                                                                                                                                             | 植物地理・分類研究                      | 63:1-8         | 10.24517/00053583            | ○     |          |    |      |         |        |
| 2016 | 逢沢大久保   | 磯辺山河, 逢沢峰昭, 久本洋子, 軽込 勉, 齋藤央嗣, 中山ちさ, 遠藤良太, 後藤 晋, 大久保達弘                                              | 地域絶滅の危機される関東地方のヒメコマツの遺伝的多様性と交配様式                                                                                                                                                               | 日本森林学会誌                        | 98:2:65-73     | 10.4005/jjfs.98.65           | ○     |          |    |      |         |        |
| 2016 | 逢沢大久保   | Aizawa M, Nakayama C, Ohkubo T                                                                     | Comparison of fine-scale spatial genetic structure of two sympatric Rhododendron shrub species in forest habitat having different seed weights: A case study                                   | Silvae Genetica                | 65-2: 39-45    | 10.1515/sg-2016-0015         | ○     |          |    |      |         |        |
| 2016 | 青山      | 佐怒賀琴美・青山真人・杉田昭栄                                                                                    | トラック輸送の経験がヤギの輸送に対する反応に及ぼす影響                                                                                                                                                                    | 日本家畜管理学会誌<br>応用動物行動学会誌         | 52(3):123-133  | 10.20652/abm.52.3_123        |       |          |    |      |         | ○      |
| 2016 | 芋川      | Nakajima H, Terazawa S, Niwano T, Yamamoto Y, Imokawa G                                            | The Inhibitory Effects of Anti-Oxidants on Ultraviolet-Induced Up-Regulation of the Wrinkling-Inducing Enzyme Neutral Endopeptidase in Human Fibroblasts                                       | PLoS One                       | 11(9):e0161580 | 10.1371/journal.pone.0161580 | ○     |          |    |      |         |        |
| 2016 | 園田      | Aizawa M, Watanabe T, Kumano A, Miyatake T, Sonoda S                                               | Cypermethrin resistance and reproductive types in onion thrips, <i>Thrips tabaci</i> (Thysanoptera: Thripidae)                                                                                 | Journal Pesticide Science      | 41:4:167-170   | 10.1584/jpestics.D16-049     | ○     |          |    |      |         |        |
| 2016 | 園田      | David Wari, Yamashita J, Kishimoto H, Sonoda S                                                     | Utilization of plant food resources by phytoseiid mite species with different feeding habits                                                                                                   | Applied Entomology and Zoology | 51:539-547     | 10.1007/s13355-016-0429-0    | ○     |          |    |      |         |        |
| 2016 | 園田      | Sonoda S, Kataoka Y                                                                                | Genotyping for the G4946E site of ryanodine receptor gene in <i>Plutella xylostella</i> (Lepidoptera: Yponomeutidae) considering gene duplication                                              | Applied Entomology and Zoology | 51:195-204     | 10.1007/s13355-015-0385-0    | ○     |          |    |      |         |        |
| 2016 | 金野羽生    | 金野尚武, 木村茉穂, 奥澤里奈, 中村泰隆, 池正和, 林徳子, 小原あゆみ, 坂本裕一, 羽生直人                                                | TEMPO触媒酸化法を用いたシイタケ菌菌床からのセルロースナノファイバー調製                                                                                                                                                         | 木材保存                           | 42(3):157-164  | 10.5990/jwpa.42.157          | ○     | ○        |    |      |         |        |
| 2016 | 山根      | Rumainum IM, Worarad K, Yamaki Y, Yamane K                                                         | Effects of developmental stages, light, and an auxin polar transport inhibitor on the skin and flesh pigmentation of red-fleshed peach fruit                                                   | Hort. J                        | 85:2:141-147   | 10.2503/hortj.MI-077         |       |          |    | ○    |         |        |
| 2016 | 鈴木飯郷山根  | Kanjana W, Suzuki T, Ishii K, Kozaki T, Iigo M, Yamane K                                           | Transcriptome analysis of seed dormancy after rinsing and chilling in ornamental peaches ( <i>Prunus persica</i> (L.) Batsch)                                                                  | BMC Genomics                   | 17:575         | 10.1186/s12864-016-2973-y    | ○     |          |    | ○    |         |        |
| 2016 | 謝諸星     | Morohoshi T, Okutsu N, Xie X, Ikeda T                                                              | Identification of Quorum-Sensing Signal Molecules and a Biosynthetic Gene in <i>Alicyclophilus</i> sp. Isolated from Activated Sludge                                                          | Sensors                        | 16(8):1218     | 10.3390/s16081218            | ○     | ○        |    |      |         |        |
| 2016 | 謝       | Sun H, Bi Y, Tao J, Huang S, Hou M, Xue R, Liang Z, Gu P, Yoneyama K, Xie X, Shen Q, Xu G, Zhang Y | Strigolactones are required for nitric oxide to induce root elongation in response to nitrogen and phosphate deficiency in rice                                                                | Plant Cell & Environment       | 39:1473-1483   | 10.1111/pce.12709            |       | ○        |    |      |         |        |
| 2016 | 諸星      | Morohoshi T, Ikeda T                                                                               | Complete genome sequence of <i>Methylobacterium populi</i> P-1M, isolated from pink-pigmented household biofilm                                                                                | Genome Announc                 | 4(3):e00458-16 | 10.1128/genomeA.00458-16     | ○     |          |    |      |         |        |

| 発行年  | 教員名            | 著者                                                                                                                                                                                                                                    | 題名                                                                                                                                                                                   | 雑誌名                                             | 巻・ページ             | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2016 | 福井<br>吉澤<br>松本 | Takahashi A, Rahim A, Takeuchi M, Fukui E, Yoshizawa M, Mukai K, Suematsu M, Hasuwa H, Okabe M, Matsumoto H                                                                                                                           | Impaired female fertility in tubulointerstitial antigen-like 1-deficient mice                                                                                                        | J Reprod Dev                                    | 62:1:43-49        | 10.1262/jrd.2015-109                | ○     |          | ○  |      |         |        |
| 2016 | 石栗<br>石塚<br>横田 | Sunardi, Tanabe J, Ishiguri F, Ohshima J, Iizuka K, Yokota S                                                                                                                                                                          | Changes in lignocellulolytic enzyme activity during the degradation of <i>Picea jezoensis</i> wood by the white-rot fungus <i>Porodaedalea pini</i>                                  | International Biodeterioration & Biodegradation | 110:108-112       | 10.1016/j.ibiod.2016.02.022         | ○     |          |    |      |         |        |
| 2016 | 石栗<br>石塚<br>横田 | Aiso H, Ishiguri F, Toyoizumi T, Ohshima J, Iizuka K, Priadi D, Yokota S                                                                                                                                                              | Anatomical, chemical, and physical characteristics of tension wood in two tropical fast-growing species, <i>Falcataria moluccana</i> and <i>Acacia auriculiformis</i>                | Tropics                                         | 25:1:33-41        | 10.3759/tropics.25.33               |       |          |    | ○    |         |        |
| 2016 | 岩永<br>川崎       | Moriyama M, Osanai K, Ohyoshi T, H.-B.Wang, Iwanaga M, Kawasaki H                                                                                                                                                                     | Ecdysteroid promotes cell cycle progression in the <i>Bombyx</i> wing disc through activation of c-Myc                                                                               | Insect Biochemistry and Molecular Biology       | 70:1-9            | 10.1016/j.ibmb.2015.11.008          |       |          | ○  |      |         |        |
| 2016 | 岩永<br>川崎       | Shahin R, Iwanaga M, Kawasaki H                                                                                                                                                                                                       | Cuticular protein and transcription factor genes expressed during prepupal-pupal transition and by ecdysone pulse treatment in wing discs of <i>Bombyx mori</i>                      | Insect Mol Biol                                 | 25(2):138-52      | 10.1111/imb.12207                   |       |          | ○  |      |         |        |
| 2016 | 北村<br>前田<br>齋藤 | Kitamura R, Ishii K, Maeda I, Kozaki T, Iwabuchi K, Saito T                                                                                                                                                                           | Evaluation of bacterial communities by bacteriome analysis targeting 16S rRNA genes and quantitative analysis of ammonia monooxygenase gene in different types of compost            | Journal of Bioscience and Bioengineering        | 121(1):57-65      | 10.1016/j.jbiosc.2015.05.005        | ○     |          |    |      | ○       |        |
| 2016 | 長尾<br>蕪山<br>前田 | Yamaguchi M, Naito T, Nagao Y, Kabuyama Y, Hashimoto K, Azuma N, Maeda I                                                                                                                                                              | Effect of increased feeding of dietary $\alpha$ -linolenic acid by grazing on formation of the <i>cis</i> 9, <i>trans</i> 11-18:2 isoform of conjugated linoleic acid in bovine milk | Anim Sci J                                      | 88(7):1006-1011   | 10.1111/asj.12727                   | ○     |          |    |      |         |        |
| 2016 | 長尾             | Sato A, Borjigin Sarentonglaga, Ogata K, Yamaguchi M, Hara A, Khurchabiling Atchalat, Wakabayashi M, Nishihara K, Fukumori R, Nagao Y                                                                                                 | Changes in the morphological status of cumulus cells surrounding canine oocytes and their effects upon in vitro maturation                                                           | Proceeding of 17th AAAP Animal Science Congress | 981-986           |                                     | ○     |          |    |      |         |        |
| 2016 | 長尾             | Hara A, Abe T, Borjigin Sarentonglaga, Ogata K, Yamaguchi M, Sato A, Fukumori R, Nagao Y                                                                                                                                              | Immunohistochemical analysis of the estrogen receptor and Ki-67 antigen in the ovine mammary gland during pregnancy                                                                  | Proceeding of 17th AAAP Animal Science Congress | 1044-1050         |                                     | ○     |          |    |      |         |        |
| 2016 | 長尾             | Ogata K, Sasaki A, Borjigin Sarentonglaga, Yamaguchi M, Hara A, Sato A, Nishihara K, Sugane N, Fukumori R, Nagao Y                                                                                                                    | Seasonal variation of dog semen quality and freezability                                                                                                                             | Proceeding of 17th AAAP Animal Science Congress | 1261-1265         |                                     | ○     |          |    |      |         |        |
| 2016 | 二瓶             | Shinozaki J, Kenmoku H, Nihei K, Masuda K, Noji M, Konno K, Asakawa Y, Kazuma K                                                                                                                                                       | Cloning and Functional Analysis of Three Chalcone Synthases from the Flowers of Safflowers <i>Carthamus tinctorius</i>                                                               | Nat. Prod. Commun                               | 11:787-790        | 10.1177/1934578X1601100621          |       | ○        |    |      |         |        |
| 2016 | 二瓶             | Oode C, Shimada W, Yokota M, Yamada Y, Nihei K                                                                                                                                                                                        | Dihydroresveratrol Cellobioside and Xylobioside as Effective Melanogenesis Activators                                                                                                | Carbohydr. Res                                  | 436:45-49         | 10.1016/j.carres.2016.11.004        |       | ○        |    |      |         |        |
| 2016 | 二瓶             | Konno K, Kazuma K, Nihei K                                                                                                                                                                                                            | Peptide Toxins in Solitary Wasp Venoms                                                                                                                                               | Toxins                                          | 8(4):114          | 10.3390/toxins8040114               |       | ○        |    |      |         |        |
| 2016 | 飯塚             | Wang W, Hanai Y, Takenaka C, Tomioka R, Iizuka K, Ozawa H                                                                                                                                                                             | Cesium absorption through bark of Japanese cedar ( <i>Cryptomeria japonica</i> )                                                                                                     | J For Res                                       | 21:251-258        | 10.1007/s10310-016-0534-5           |       |          |    |      |         | ○      |
| 2016 | 野村             | Brewer P.B, Yoneyama K, Filardo F, Meyers E, Scaffidi A, Frickey T, Akiyama K, Seto Y, Dun E.A, Cremer J.E, Kerr S.C, Waters M.T, Flematti G.R, Mason M.G, Weiller G, Yamaguchi S, Nomura T, Smith S.M, Yoneyama K and Beveridge C.A. | <i>LATERAL BRANCHING OXIDOREDUCTASE</i> acts in the final stages of strigolactone biosynthesis in <i>Arabidopsis</i>                                                                 | Natl. Acad. Sci. USA                            | 113(22):6301-6306 | 10.1073/pnas.1601729113             | ○     | ○        |    | ○    |         |        |
| 2016 | 謝<br>野村        | Xie X, Yoneyama K, Kisugi T, Nomura T, Akiyama K, Asami T, Yoneyama K                                                                                                                                                                 | Structure- and stereospecific transport of strigolactones from roots to shoots                                                                                                       | J. Pestic. Sci                                  | 41:2:55-58        | 10.1584/jpestics.D16-009            |       | ○        |    | ○    |         |        |
| 2016 | 児玉             | Numata K, Horii Y, Motoda Y, Hirai T, Nishitani C, Watanabe S, Kigawa T & Kodama Y                                                                                                                                                    | Direct introduction of neomycin phosphotransferase II protein into apple leaves to confer kanamycin resistance                                                                       | Plant Biotechnol                                | 33:5:403-407      | 10.5511/plantbiotechnology.16.0929a | ○     |          |    |      |         |        |
| 2016 | 児玉             | Kimura S & Kodama Y                                                                                                                                                                                                                   | Actin-dependence of the chloroplast cold positioning response in the liverwort <i>Marchantia polymorpha</i> L                                                                        | PeerJ                                           | 4:e2513           | 10.7717/peerj.2513                  | ○     |          |    |      |         |        |
| 2016 | 児玉             | Iizasa S, Iizasa E, Matsuzaki S, Tanaka H, Kodama Y, Watanabe K & Nagano Y                                                                                                                                                            | <i>Arabidopsis</i> LBP/BPI related-1 and -2 bind to LPS directly and regulate <i>PRI</i> expression                                                                                  | Sci Rep                                         | 6:27527           | 10.1038/srep27527                   | ○     |          |    |      |         |        |

| 発行年  | 教員名 | 著者                                                                                                                     | 題名                                                                                                                                                                        | 雑誌名                                     | 巻・ページ            | doi                          | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------|------------------------------|-------|----------|----|------|---------|--------|
| 2016 | 児玉  | 藤井雄太, 児玉豊                                                                                                              | 誤解しないBiFC法のすゝめ：蛍光タンパク質を使ったタンパク質間相互作用イメージング                                                                                                                                | 植物の生長調節                                 | 51:1:48-51       | 10.18978/jscrp.51.1_48       | ○     |          |    |      |         |        |
| 2016 | 児玉  | Ng KK, Motoda Y, Watanabe S, Othman AS, Kigawa T, Kodama Y & Numata K                                                  | Intracellular delivery of proteins via fusion peptides in intact plants                                                                                                   | PLoS ONE                                | 11:e0154081      | 10.1371/journal.pone.0154081 | ○     |          |    |      |         |        |
| 2016 | 児玉  | Kodama Y                                                                                                               | Time gating of chloroplast autofluorescence allows clearer fluorescence imaging <i>in planta</i>                                                                          | PLoS ONE                                | 11:e0152484      | 10.1371/journal.pone.0152484 | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Kodani S, Inoue Y, Suzuki M, Dohra H, Suzuki T, Hemmi H, Ohnishi-Kameyama M                                            | Sphaericin, a Lasso Peptide from the Rare Actinomycete <i>Planomonospora sphaerica</i>                                                                                    | European Journal of Organic Chemistry   | 8:1177-1183      | 10.1002/ejoc.201601334       | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Suzuki T, Yamamoto N, Takano T, Choi JH, Sasaki Y, Terashima Y, Ito A, Dohra H, Hirai H, Yano K, Kawagishi H           | The biosynthetic pathway of 2-azahypoxanthine in fairy-ring forming fungus                                                                                                | Scientific Reports                      | 6:39087          | 10.1038/srep39087            | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Suzuki K, Suzuki T, Nakatsuka T, Dohra H, Yamagishi M, Matsuyama K, Matsuura H                                         | RNA-seq-based evaluation of bicolor tepal pigmentation in Asiatic hybrid lilies ( <i>Lilium</i> spp.)                                                                     | BMC genomics                            | 17(1):611        | 10.1186/s12864-016-2995-5    | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Wang J, Suzuki T, Dohra H, Takigami S, Kako H, Soga A, Kamei I, Mori T, Kawagishi H, Hirai H                           | Analysis of ethanol fermentation mechanism of ethanol producing white-rot fungus <i>Phlebia</i> MG-60 by RNA-seq                                                          | BMC genomics                            | 17:616           | 10.1186/s12864-016-2977-7    | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Dohra H, Suzuki T, Inoue Y, Kodani S                                                                                   | Draft Genome Sequence of Planomonospora sphaerica JCM9374, a Rare Actinomycete                                                                                            | Genome Announcements                    | 4(4):e00779-16   | 10.1128/genomeA.00779-16     | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Hirayama, Y, Yamagishi, K, Suzuki, T, Kawagishi, H, Kita, M, Kigoshi, H                                                | Analysis of the aplyronine A-induced protein-protein interaction between actin and tubulin by surface plasmon resonance                                                   | Bioorganic Medicinal Chemistry          | 24(12):2809-2814 | 10.1016/j.bmc.2016.04.049    | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Yamamoto, T, Tsunematsu, Y, Hara, K, Suzuki, T, Kawagishi, H, Noguchi, H, Hashimoto, H, Tang, Y, Hotta, K, Watanabe, K | Oxidative <i>trans</i> to <i>cis</i> isomerization of olefins in polyketide biosynthesis                                                                                  | Angewandte Chemie International Edition | 55(21):6207-6210 | 10.1002/anie.201600940       | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Muraguchi, Y, Kushimoto, K, Ohtsubo, Y, Suzuki, T, Dohra, H, Kimbara, K, Shintani, M                                   | Complete genome sequence of the <i>Algoriphagus</i> sp. M8-2 isolated from a brackish lake                                                                                | Genome Announcements                    | 4(3):e00347-16   | 10.1128/genomeA.00347-16     | ○     |          |    |      |         |        |
| 2016 | 鈴木  | Hirata, H, Kashiwara, M, Horiike, T, Suzuki, T, Dohra, H, Netsu, O, Tsuyumu, S                                         | Genome sequence of <i>Pectobacterium carotovorum</i> phage PPWS1 isolated from Japanese horseradish [ <i>Eutrema japonicum</i> (Miq.) Koidz] showing soft-rot symptom     | Genome Announcements                    | 4(2):e01625-15   | 10.1128/genomeA.01625-15     | ○     |          |    |      |         |        |
| 2016 | 矢ヶ崎 | 矢ヶ崎一三                                                                                                                  | リグナン・腸内細菌代謝産物エンテロラクトンの機能性（解説）                                                                                                                                             | New Food Industry                       | 58(12):15-22     |                              | ○     |          | ○  |      |         |        |
| 2016 | 松田  | Masaru Matsuda, Mitsuru Sakaizumi                                                                                      | Evolution of the sex-determining gene in the teleostean genus <i>Oryzias</i>                                                                                              | GENERAL AND COMPARATIVE ENDOCRINOLOGY   | 239:80-88        | 10.1016/j.ygcn.2015.10.004   |       |          |    |      |         |        |
| 2015 | 松田  | Gladys FM, Matsuda M, Lim Y, Jackin BJ, Imai T, Otani Y, Yatagai T, Cense B                                            | Developmental and morphological studies in Japanese medaka with ultra-high resolution optical coherence tomography                                                        | Biomedical Optics Express               | 6:2:297-308      | 10.1364/BOE.6.000297         | ○     |          |    |      |         |        |
| 2015 | 松田  | Imai T, Saino K, Matsuda M                                                                                             | Mutation of Gonadal soma-derived factor induces medaka XY gonads to undergo ovarian development                                                                           | Biochem Biophys Res Commun              | 467:1:109-114    | 10.1016/j.bbrc.2015.09.112   | ○     |          |    |      |         |        |
| 2015 | 逢沢  | Aizawa M, Yoshimaru H, Ogawa H, Goto S, Kaji M                                                                         | Natural hybridization of Yezo and Sakhalin spruce in central Hokkaido, revealed by DNA markers with contrasting modes of inheritance                                      | Plant Species Biology                   | 31:3:188-195     | 10.1111/1442-1984.12101      | ○     |          |    |      |         |        |
| 2015 | 逢沢  | Aizawa M, Yoshimaru H, Takahashi M, Kawahara T, Sugita H, Saito H, Sabirov RN                                          | Genetic structure of Sakhalin spruce ( <i>Picea glehnii</i> ) in northern Japan and adjacent regions revealed by nuclear microsatellites and mitochondrial gene sequences | Journal of Plant Research               | 128:91-102       | 10.1007/s10265-014-0682-7    | ○     |          |    |      |         |        |
| 2015 | 青山  | 渡邊哲夫・野口宗彦・沼野井憲一・長谷山聡也・青山真人                                                                                             | ブタの尾かじり被害を軽減する飼養管理法の検討<br>—鎖やロープの提供、食塩水給与、飼料の形状の効果—                                                                                                                       | 日本養豚学会誌                                 | 52:123-134       | 10.5938/youton.52.3_123      |       |          |    |      |         | ○      |
| 2015 | 芋川  | Terazawa S, Nakajima H, Fukasawa K, Imokawa G                                                                          | Withaferin A abolishes the stem cell factor-stimulated pigmentation of human epidermal equivalents by interrupting the auto-phosphorylation of c-KIT in human melanocytes | Arch Dermatol Res 2015                  | 307:73-88        | 10.1007/s00403-014-1518-y    | ○     |          |    |      |         |        |

| 発行年  | 教員名    | 著者                                                                                                                                         | 題名                                                                                                                                                                                                                                                | 雑誌名                     | 巻・ページ           | doi                             | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|--------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|---------------------------------|-------|----------|----|------|---------|--------|
| 2015 | 芋川     | Niawano T, Terazawa S, Nakajima H, Wakabayashi Y, Imokawa G                                                                                | <i>Astaxanthin</i> and <i>withaferin A</i> block paracrine cytokine interactions between UVB-exposed human keratinocytes and human melanocytes via the attenuation of endothelin-1 secretion and its downstream intracellular signaling           | Cytokine                | 73(2):184-197   | 10.1016/j.cyto.2015.02.006      | ○     |          |    |      |         |        |
| 2015 | 芋川     | Han C, Furukawa H, Tomura T, Fudou R, Kaida K, Choi BK, Imokawa G, Ojika M                                                                 | Bioactive Maleic Anhydrides and Related Diacids from the Aquatic Hyphomycete <i>Tricladium castaneicola</i>                                                                                                                                       | J Nat Prod              | 78(4):639-44    | 10.1021/np500773s               | ○     |          |    |      |         |        |
| 2015 | 芋川     | Tagashira H, Miyamoto A, Kitamura S, Tsubata M, Yamaguchi K, Takagaki K, Imokawa G                                                         | UVB stimulates the expression of endothelin B receptor in human melanocytes via a sequential activation of the p38/MSK1/CREB/MITF pathway which can be interrupted by a French maritime pine bark extract through a direct inactivation of MSK1   | PLoS One                | 10(6):e0128678  | 10.1371/journal.pone.0128678    | ○     |          |    |      |         |        |
| 2015 | 芋川     | Terazawa S, Mori S, Nakajima H, Yasuda M, Imokawa G                                                                                        | The UVB-stimulated expression of transglutaminase 1 is mediated predominantly via the NF $\kappa$ B signaling pathway: New evidence of its significant attenuation through the specific interruption of the p38/MSK1/NF $\kappa$ Bp65 Ser276 axis | PLoS One                | 10(8):e0136311  | 10.1371/journal.pone.0136311    | ○     |          |    |      |         |        |
| 2015 | 金野     | Sakamoto Y, Nakade K, Yoshida K, Natsume S, Miyazaki K, Sato S, van Peer A. F, Konno N                                                     | Grouping of multicopper oxidases in <i>Lentinula edodes</i> by sequence similarities and expression patterns                                                                                                                                      | AMB Express             | 5(1):63         | 10.1186/s13568-015-0151-2       | ○     | ○        |    |      |         |        |
| 2015 | 金野     | Takeda T, Nakano Y, Takahashi M, Konno N, Sakamoto Y, Arashida R, Marukawa Y, Yoshida E, Ishikawa T, Suzuki K                              | Identification and enzymatic characterization of an endo-1,3- $\beta$ -glucanase from <i>Euglena gracilis</i>                                                                                                                                     | Phytochemistry          | 116:21-27       | 10.1016/j.phytochem.2015.05.010 | ○     | ○        |    |      |         |        |
| 2015 | 金野     | Konno N, Obara A, Sakamoto Y                                                                                                               | Molecular cloning, characterization, and expression analysis of a $\beta$ -N-acetylhexosaminidase ( <i>LeHex20B</i> ) from the shiitake mushroom, <i>Lentinula edodes</i>                                                                         | Journal of Wood Science | 61:178-184      | 10.1007/s10086-015-1459-x       | ○     | ○        |    |      |         |        |
| 2015 | 高橋     | Bashir K, Ishimaru Y, Itai RN, Senoura T, Takahashi M, An G, Oikawa T, Ueda M, Sato A, Uozumi N, Nakanishi H, Nishizawa NK                 | Iron deficiency regulated OsOPT7 is essential for iron homeostasis in rice                                                                                                                                                                        | Plant Mol Biol          | 88:165-76       | 10.1007/s11103-015-0315-0       | ○     |          |    |      |         |        |
| 2015 | 謝諸星    | Okutsu N, Morohoshi T, Xie X, Kato N, Ikeda T                                                                                              | Characterization of <i>N</i> -acylhomoserine lactones produced by bacteria isolated from industrial cooling water systems                                                                                                                         | Sensors                 | 16(1):44        | 10.3390/s16010044               | ○     | ○        |    |      |         |        |
| 2015 | 謝      | Sun H, Tao J, Huang S, Chen S, Xie X, Yoneyama K, Xu G, Zhang Y                                                                            | A strigolactone signal is required for adventitious root formation in rice                                                                                                                                                                        | Annals of Botany        | 115:7:1155-1162 | 10.1093/aob/mcv052              |       | ○        |    |      |         |        |
| 2015 | 諸星     | Kato T, Morohoshi T, Someya N, Ikeda T                                                                                                     | The <i>ppuI-rsaL-ppuR</i> quorum-sensing system regulates cellular motility, pectate lyase activity, and virulence in potato opportunistic pathogen <i>Pseudomonas</i> sp. StFLB209                                                               | Biosci Biotech Biochem  | 79(4):673-80    | 10.1080/09168451.2014.988679    | ○     |          |    |      |         |        |
| 2015 | 諸星     | Morohoshi T, Tominaga Y, Someya N, Ikeda T                                                                                                 | Characterization of a novel thermostable <i>N</i> -acylhomoserine lactonase from the thermophilic bacterium <i>Thermaerobacter marianensis</i>                                                                                                    | J Biosci Bioeng         | 120:1:1-5       | 10.1016/j.jbiosc.2014.11.014    | ○     |          |    |      |         |        |
| 2015 | 諸星     | Okutsu N, Morohoshi T, Ikeda T                                                                                                             | Draft genome sequence of <i>Alicyclophilus</i> sp. B1, an <i>N</i> -acylhomoserine lactone-producing bacterium, isolated from activated sludge                                                                                                    | Genome Announc          | 3(3):e00424-15  | 10.1128/genomeA.00424-15        | ○     |          |    |      |         |        |
| 2015 | 松本福井吉澤 | Watanabe H, Matsumoto T, Nishi M, Kusakabe KT, Kuraishi T, Hattori S, Matsumoto H, Fukui E, Kuwahata A, Ochi M, Kiso Y, Kai C, Yoshizawa M | Intracytoplasmic sperm injection into oocytes matured in vitro and early embryonic development in the owl monkey ( <i>Aotus lemurinus</i> )                                                                                                       | Reprod Med Biol         | 15(3):183-186   | 10.1007/s12522-015-0229-1       | ○     |          |    |      |         |        |
| 2015 | 吉澤松本福井 | Nakazato C, Yoshizawa M, Isobe K, Kusakabe KT, Kuraishi T, Hattori S, Matsumoto H, Fukui E, Kuwahata A, Ochi M, Kiso Y, Kai C              | Morphological characterization of spermatozoa of the night monkey                                                                                                                                                                                 | J Mamm Ova Res          | 32:37-40        | 10.1274/jmor.32.37              | ○     |          |    |      |         |        |

| 発行年  | 教員名                  | 著者                                                                                                                                         | 題名                                                                                                                                                                                                   | 雑誌名                                     | 巻・ページ            | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2015 | 福井<br>松本<br>吉澤       | 福井えみ子, 湯澤知子, 松本浩道, 川野辺章夫, 櫻井由美, 大島藤太, 北條享, 新楽和孝, 桑波田暁子, 越知正憲, 吉澤緑                                                                          | 遺伝子型をデザインした黒毛和種の効率的作出の試み                                                                                                                                                                             | 日本畜産学会報                                 | 86:375-378       | 10.2508/chikusan.86.375             | ○     |          |    |      |         |        |
| 2015 | 松本<br>福井<br>吉澤       | Matsumoto T, Isobe K, Kusakabe KT, Kuraishi T, Hattori S, Nakazato C, Matsumoto H, Fukui E, Kuwahata A, Ochi M, Kiso Y, Kai C, Yoshizawa M | Morphological characterization and <i>in vitro</i> maturation of follicular oocytes from the owl monkey ( <i>Aotus lemurinus</i> )                                                                   | J Mamm Ova Res                          | 32(3):103-108    | 10.1274/jmor.32.103                 | ○     |          |    |      |         |        |
| 2015 | 石栗<br>飯塚<br>横田       | Ueda C, Takashima Y, Ishiguri F, Iizuka K, Yoshizawa N, Yokota S                                                                           | Ozone oxidation pretreatment for enzymatic saccharification of spent culture media after <i>Lentinula edodes</i> cultivation                                                                         | Journal of Wood Science                 | 61:65-69         | 10.1007/s10086-014-1441-z           | ○     |          |    |      |         |        |
| 2015 | 石栗<br>羽生<br>飯塚<br>横田 | Takashima Y, Tamura A, Nosedo N, Tanabe J, Makino K, Ishiguri F, Habu N, Iizuka K, Yokota S                                                | Diversities of decay resistance and n-hexane-extractive contents in seven half-sib families from plus trees in todomatsu ( <i>Abies sachalinensis</i> )                                              | Journal of Wood Science                 | 61:192-198       | 10.1007/s10086-014-1448-5           | ○     |          |    |      |         |        |
| 2015 | 前田                   | Naito T, Sachurongui, Ueki M, Maeda I                                                                                                      | Light-enhanced bioaccumulation of molybdenum by nitrogen-deprived recombinant anoxygenic photosynthetic bacterium <i>Rhodospseudomonas palustris</i>                                                 | Biosci Biotechnol Biochem               | 80(2):407-13     | 10.1080/09168451.2015.1086260       | ○     |          |    |      |         |        |
| 2015 | 前田                   | Taniguchi M, Siddiki MS, Ueda S, Maeda I                                                                                                   | Mercury (II) sensor based on monitoring dissociation rate of the trans-acting factor MerR from cis-element by surface plasmon resonance                                                              | Biosens Bioelectron                     | 67:309-14        | 10.1016/j.bios.2014.08.040          | ○     |          |    |      |         |        |
| 2015 | 長尾                   | Ogata K, Sasaki A, Kato Y, Takeda A, Wakabayashi M, Borjigin Sarentonglaga, Yamaguchi M, Hara A, Fukumori R, Nagao Y                       | Glutathione supplementation to semen extender improves the quality of frozen-thawed canine spermatozoa for transcervical insemination                                                                | Journal of Reproduction and Development | 61(2):16-22      | 10.1262/jrd.2014-130                | ○     |          |    |      |         |        |
| 2015 | 長尾                   | Kato Y, Nagao Y                                                                                                                            | Changes in sperm motility and capacitation induce chromosomal aberration of the bovine embryo following intracytoplasmic sperm injection                                                             | Plos ONE                                | 10(6): e0129285  | 10.1371/journal.pone.0129285        | ○     |          |    |      |         |        |
| 2015 | 二瓶                   | Masuoka N, Nihei K, Maeta A, Yamagiwa Y, Kubo I                                                                                            | Inhibitory Effects of Cardols and Related Compounds on Superoxide Anion Generation by Xanthine Oxidase                                                                                               | Food Chem                               | 166:270-274      | 10.1016/j.foodchem.2014.06.021      | ○     |          |    |      |         |        |
| 2015 | 二瓶                   | Iwadate T, Nihei K                                                                                                                         | Rhododendrol Glycosides as Stereospecific Tyrosinase Inhibitors                                                                                                                                      | Bioorg. Med. Chem.                      | 23(20):6650-6658 | 10.1016/j.bmc.2015.09.014           | ○     |          |    |      |         |        |
| 2015 | 平井                   | 平井英明、平井雅世                                                                                                                                  | 児童生徒・学生への土に関するアンケート調査結果の解析～宇都宮における事例～                                                                                                                                                                | 日本土壤肥科学雑誌                               | 86:6:505-514     | 10.20710/dojo.86.6_505              |       |          |    |      |         |        |
| 2015 | 謝<br>野村              | Xie X, Yoneyama K, Kisugi T, Nomura T, Akiyama K, Asami T, Yoneyama K                                                                      | Strigolactones are transported from roots to shoots, although not through the xylem                                                                                                                  | J Pestic Sci                            | 40:4:214-216     | 10.1584/jpestics.D15-045            | ○     |          |    | ○    |         |        |
| 2015 | 謝<br>野村              | Yoneyama K, Arakawa R, Ishimoto K, Kim H.I, Kisugi T, Xie X, Nomura T, Kanampiu F, Yokota T, Ezawa T, Yoneyama K                           | Difference in <i>Striga</i> -susceptibility is reflected in strigolactone secretion profile, but not in compatibility and host preference in arbuscular mycorrhizal symbiosis in two maize cultivars | New Phytologist                         | 206:3:983-989    | 10.1111/nph.13375                   | ○     |          |    | ○    |         |        |
| 2015 | 謝<br>野村              | Yoneyama K, Kisugi T, Xie X, Arakawa R, Ezawa T, Nomura T, Yoneyama K                                                                      | Shoot-derived signals other than auxin are involved in systemic regulation of strigolactone production in roots                                                                                      | Planta                                  | 241(3):687-698   | 10.1007/s00425-014-2208-x           | ○     |          |    | ○    |         |        |
| 2015 | 児玉                   | 田中（坪山）祥子, 児玉豊                                                                                                                              | アガートラップ法：寒天に捕らえたゼニゴケを簡単に形態転換する                                                                                                                                                                       | 植物の生長調節                                 | 50:1:83-86       | 10.18978/jsrps.50.1_83              | ○     |          |    |      |         |        |
| 2015 | 児玉                   | Fujii Y & Kodama Y                                                                                                                         | In planta comparative analysis of improved green fluorescent proteins with reference to fluorescence intensity and bimolecular fluorescence complementation ability                                  | Plant Biotechnol                        | 32:1:81-87       | 10.5511/plantbiotechnology.15.0120a | ○     |          |    |      |         |        |
| 2015 | 児玉                   | Lakshmanan M, Yoshizumi T, Sudesh K, Kodama Y & Numata K                                                                                   | Double-stranded DNA introduction into intact plant using peptide-DNA complexes                                                                                                                       | Plant Biotechnol                        | 32:1:39-45       | 10.5511/plantbiotechnology.14.1210b | ○     |          |    |      |         |        |
| 2015 | 児玉                   | Chuah JA, Yoshizumi T, Kodama Y & Numata K                                                                                                 | Gene introduction into the mitochondria of <i>Arabidopsis thaliana</i> via peptide-based carriers                                                                                                    | Sci Rep                                 | 5.590972222      | 10.1038/srep07751                   | ○     |          |    |      |         |        |

| 発行年  | 教員名    | 著者                                                                                                                                                                                                                    | 題名                                                                                                                                                                                                                                   | 雑誌名                   | 巻・ページ            | doi                           | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------|-------------------------------|-------|----------|----|------|---------|--------|
| 2015 | 児玉     | Tsuboyama-Tanaka S & Kodama Y# (2015)                                                                                                                                                                                 | AgarTrap-mediated genetic transformation using intact gemmae/gemmalings of the liverwort <i>Marchantia polymorpha</i> L                                                                                                              | J Plant Res           | 128:337-344      | 10.1007/s10265-014-0695-2     | ○     |          |    |      |         |        |
| 2015 | 鈴木     | Suzuki T, Takeshima Y, Mikamoto T, Saeki JD, Kato T, Park EY, Kawagishi H, Dohra H                                                                                                                                    | Genome sequence of a novel iflavirus from mRNA sequencing of the pupa of <i>Bombyx mori</i> inoculated with <i>Cordyceps militaris</i>                                                                                               | Genome Announcements  | 3(5):e01039-15   | 10.1128/genomeA.01039-15      | ○     |          |    |      |         |        |
| 2015 | 近藤     | Kondo S, El Omri A, Han J, Hiroko Isoda H                                                                                                                                                                             | Antidepressant-like effects of rosmarinic acid through mitogen-activated protein kinase phosphatase-1 and brain-derived neurotrophic factor modulation                                                                               | J Functional Foods    | 14:758-766       | 10.1016/j.jff.2015.03.001     |       |          | ○  |      |         |        |
| 2015 | 矢ヶ崎    | Dewi NI, Yagasaki K, Miura Y                                                                                                                                                                                          | Anti-proliferative effect of pterostilbene on rat hepatoma cells in culture                                                                                                                                                          | Cytotechnology        | 67(4):671-680    | 10.1007/s10616-014-9758-4     |       |          | ○  |      |         |        |
| 2015 | 矢ヶ崎    | Kamakura R, Son MJ, de Beer D, Joubert E, Miura Y, Yagasaki K                                                                                                                                                         | Antidiabetic effect of green rooibos ( <i>Aspalathus linearis</i> ) extract in cultured cells and type 2 diabetic model KK-Ay mice                                                                                                   | Cytotechnology        | 67(4):699-710    | 10.1007/s10616-014-9816-y     |       |          | ○  |      |         |        |
| 2015 | 矢ヶ崎    | Son MJ, Miura Y, Yagasaki K                                                                                                                                                                                           | Mechanisms for antidiabetic effect of gingerol in cultured cells and obese diabetic model mice                                                                                                                                       | Cytotechnology        | 67(4):641-652    | 10.1007/s10616-014-9730-3     |       |          | ○  |      |         |        |
| 2015 | 矢ヶ崎    | 矢ヶ崎一三                                                                                                                                                                                                                 | 栄養素・非栄養素の食理学                                                                                                                                                                                                                         | 化学と生物                 | 53(6):339        |                               |       |          | ○  |      |         |        |
| 2014 | 松田     | Amo R, Fredes F, Kinoshita M, Aoki R, Aizawa H, Agetsuma M, Aoki T, Shiraki T, Kakinuma H, Matsuda M, Yamazaki M, Takahoko M, Tsuboi T, Higashijima S, Miyasaka N, Koide T, Yabuki Y, Yoshihara Y, Fukai T, Okamoto H | The habenulo-raphe serotonergic circuit encodes an aversive expectation value essential for adaptive active avoidance of danger                                                                                                      | Neuron                | 84(5):1034-1048  | 10.1016/j.neuron.2014.10.035  | ○     |          |    |      |         |        |
| 2014 | 松田     | Takehana Y, Matsuda M, Myosho T, Suster ML, Kawakami K, Shin IT, Kohara Y, Kuroki Y, Toyoda A, Fujiyama A, Hamaguchi S, Sakaizumi M & Naruse K                                                                        | Co-option of <i>Sox3</i> as the male-determining factor on the Y chromosome in the fish <i>Oryzias dancena</i>                                                                                                                       | Nature communications | 5:4157           | 10.1038/ncomms5157            | ○     |          |    |      |         |        |
| 2014 | 松田     | Tatsumi Y, Takeda M, Matsuda M, Suzuki T, Yokoi H                                                                                                                                                                     | TALEN-mediated mutagenesis in zebrafish reveals a role for <i>r-spondin 2</i> in fin ray and vertebral development                                                                                                                   | FEBS Lett             | 588:4543-4550    | 10.1016/j.febslet.2014.10.015 | ○     |          |    |      |         |        |
| 2014 | 松田     | Watanabe K, Koga H, Nakamura K, Fujita A, Hattori A, Matsuda M, Koga A                                                                                                                                                | Spontaneous germline excision of <i>To1I</i> , a DNA-based transposable element naturally occurring in the medaka fish genome                                                                                                        | Genome                | 57:4:193-199     | 10.1139/gen-2014-0011         | ○     |          |    |      |         |        |
| 2014 | 児玉     | Numata K, Ohtani M, Yoshizumi T, Demura T & Kodama Y                                                                                                                                                                  | Local gene silencing in plants via synthetic dsRNA and carrier peptide                                                                                                                                                               | Plant Biotechnol J    | 12:1027-1034     | 10.1111/pbi.12208             | ○     |          |    |      |         |        |
| 2014 | 児玉     | Tsuboyama S & Kodama Y                                                                                                                                                                                                | AgarTrap: a simplified <i>Agrobacterium</i> -mediated transformation method for sporelings of the liverwort <i>Marchantia polymorpha</i> L                                                                                           | Plant Cell Physiol    | 55:1:229-236     | 10.1093/pcp/pct168            | ○     |          |    |      |         |        |
| 2014 | 逢沢 大久保 | 山路貴大, 駒井古実, 逢沢峰昭, 大岡智亮, 大久保達弘                                                                                                                                                                                         | 太平洋型および日本海型ブナ林におけるブナ属の堅果食性小蛾類の多様性                                                                                                                                                                                                    | 日本森林学会誌               | 96:6:323-332     | 10.4005/jjfs.96.323           | ○     |          |    |      |         |        |
| 2014 | 芋川     | Nakajima H, Nagata T, Koga S, Imokawa G                                                                                                                                                                               | Reduced glutathione disrupts the intracellular trafficking of tyrosinase and tyrosinase-related protein-1 but not dopachrome tautomerase and Pmel17 to melanosomes, which results in the attenuation of melanization                 | Arch Dermatol Res     | 306(1):37-49     | 10.1007/s00403-013-1376-z     | ○     |          |    |      |         |        |
| 2014 | 芋川     | Sugiura A, Nomura T, Mizuno A, Imokawa G                                                                                                                                                                              | Reevaluation of the non-lesional dry skin in atopic dermatitis by acute barrier disruption: An abnormal permeability barrier homeostasis with defective processing to generate ceramide                                              | Arch Dermatol Res     | 306(5):427-440   | 10.1007/s00403-013-1430-x     | ○     |          |    |      |         |        |
| 2014 | 芋川     | Terazawa S, Nakajima H, Tobita K, Imokawa G                                                                                                                                                                           | The decreased secretion of hyaluronan by older human fibroblasts under physiological conditions is mainly associated with the down-regulated expression of hyaluronan synthases but not with the expression levels of hyaluronidases | Cytotechnology        | 67(4):609-20     | 10.1007/s10616-014-9707-2     | ○     |          |    |      |         |        |
| 2014 | 金野     | Takahashi H, Imamura T, Konno N, Takeda T, Fujita K, Konishi T, Nishihara M, Uchimiya H                                                                                                                               | The gentio-oligosaccharide gentiobiose functions in the modulation of bud dormancy in the herbaceous perennial <i>Gentiana</i>                                                                                                       | Plant Cell            | 26(10):3949-3963 | 10.1105/tpc.114.131631        | ○     | ○        |    |      |         |        |

| 発行年  | 教員名            | 著者                                                                                                       | 題名                                                                                                                                                                                       | 雑誌名                                        | 巻・ページ            | doi                          | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|----------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|------------------------------|-------|----------|----|------|---------|--------|
| 2014 | 金野             | Konno N, Nakade K, Nishitani Y, Mizuno M, Sakamoto Y                                                     | Lentinan degradation in the <i>Lentinula edodes</i> fruiting body during postharvest preservation is reduced by downregulation of the <i>exo-β-1,3-glucanase</i> EXG2                    | Journal of Agricultural and Food Chemistry | 62(32):8153-8157 | 10.1021/jf501578w            | ○     | ○        |    |      |         |        |
| 2014 | 高橋             | Nozoye T, Kim S, Kakei Y, Takahashi M, Nakanishi H, Nishizawa NK                                         | Enhanced levels of nicotianamine promote iron accumulation and tolerance to calcareous soil in soybean                                                                                   | Bioscience Biotechnology and Biochemistry  | 78(10):1677-1684 | 10.1080/09168451.2014.936350 | ○     |          |    |      |         |        |
| 2014 | 高橋             | Nozoye T, Tsunoda K, Nagasaka S, Bashir K, Takahashi M, Kobayashi T, Nakanishi H, Nishizawa NK           | Rice nicotianamine synthase localizes to particular vesicles for proper function                                                                                                         | Plant Signaling and Behavior               | 9:e28660(1-5)    | 10.4161/psb.28660            | ○     |          |    |      |         |        |
| 2014 | 高橋             | Nozoye T, Nagasaka S, Bashir K, Takahashi M, Kobayashi T, Nakanishi H, Nishizawa NK                      | Nicotianamine synthase 2 localizes to the vesicles of iron-deficient rice roots, and its mutation in the YXXφ or LL motif causes the disruption of vesicle formation or movement in rice | Plant J                                    | 77(2):246-260    | 10.1111/tpj.12383            | ○     |          |    |      |         |        |
| 2014 | 山根             | 吉川 瑛治 レオナルド, Yamamoto Robson Ryu, Petri Jose Luiz, Fernando Jose Hawerth, 山根健治, 本條 均                     | 休眠期のシアナミド剤がニホンナシ'幸水'および'豊水'の発芽・開花に及ぼす影響                                                                                                                                                  | 園芸学研究                                      | 13(2):143-153    | 10.2503/hrj.13.143           |       |          |    | ○    |         |        |
| 2014 | 山根             | 朴 昭英, 山根健治, 野村卓史, 八巻良和                                                                                   | スプラウトの栽培が若年者の心理に及ぼす効果                                                                                                                                                                    | 人間・植物関係学会雑誌                                | 13(2) : 23-26    |                              |       |          |    | ○    |         |        |
| 2014 | 山根<br>黒倉       | Burana C, Kurokura T, Yamaki Y, Yamane K                                                                 | Modified atmosphere (MA) and 1-methylcyclopropene (1-MCP) combination treatment extends the postharvest life of carnations                                                               | Environmental Control in Biology           | 52(3):131-136    | 10.2525/ecb.52.131           | ○     |          |    | ○    |         |        |
| 2014 | 謝              | Fernández-Aparicio M, Kisugi T, Xie X, Rubiales D, Yoneyama K                                            | Low strigolactone root exudation: a novel mechanism of broomrape ( <i>Orobancha</i> and <i>Phelipanche</i> spp.) resistance available for faba bean breeding                             | Journal of Agricultural and Food Chemistry | 62:29:7063-7071  | 10.1021/jf5027235            |       | ○        |    | ○    |         |        |
| 2014 | 謝              | Sun H, Tao J, Liu S, Huang S, Chen S, Xie X, Yoneyama K, Zhang Y, Xu G                                   | Strigolactones are involved in phosphate- and nitrate-deficiency-induced root development and auxin transport in rice                                                                    | Journal of Experimental Botany             | 65:22:6735-6746  | 10.1093/jxb/eru029           |       | ○        |    |      |         |        |
| 2014 | 諸星             | Xu F F, Morohoshi T, Wang W Z, Yamaguchi Y, Liang Y, Ikeda T                                             | Evaluation of the intraspecies interactions in biofilm formation by <i>Methylobacterium</i> species isolated from pink-pigmented household biofilms                                      | Microb Environ                             | 29:4:388-392     | 10.1264/jsme2.ME14038        | ○     |          |    |      |         |        |
| 2014 | 諸星             | Ochiai S, Yasumoto S, Morohoshi T, Ikeda T                                                               | AmiE, a novel <i>N</i> -acylhomoserine lactone acylase belonging to the amidase family, from the activated-sludge isolate <i>Acinetobacter</i> sp. Ooi24                                 | Appl Environ Microbiol                     | 80:6919-6925     | 10.1128/AEM.02190-14         | ○     |          |    |      |         |        |
| 2014 | 諸星             | Morohoshi T, Kato T, Someya N, Ikeda T                                                                   | Complete genome sequence of <i>N</i> -acylhomoserine lactone-producing <i>Pseudomonas</i> sp. strain StFLB209 isolated from potato phyllosphere                                          | Genome Announc                             | 2(5):e01037-14   | 10.1128/genomeA.01037-14     | ○     |          |    |      |         |        |
| 2014 | 諸星             | Morohoshi T, Wang W. Z, Someya N, Ikeda T                                                                | Complete Genome Sequence of <i>Chryseobacterium</i> sp. Strain StRB126, an <i>N</i> -Acylhomoserine Lactone-Degrading Bacterium Isolated from Potato Root                                | Genome Announc                             | 2(5):e00952-14   | 10.1128/genomeA.00952-14     | ○     |          |    |      |         |        |
| 2014 | 諸星             | Kato T, Morohoshi T, Tsushima S, Ikeda T                                                                 | Characterization of three types of quorum-sensing mutants in <i>Burkholderia glumae</i> strains isolated in Japan                                                                        | J Agric Sci                                | 6:7:16-26        | 10.5539/jas.v6n7p16          | ○     |          |    |      |         |        |
| 2014 | 福井<br>吉澤<br>松本 | Sakurai M, Sato Y, Mukai K, Suematsu M, Fukui E, Yoshizawa M, Tanemura K, Hoshino Y, Matsumoto H, Sato E | Distribution of tubulointerstitial nephritis antigen-like 1 and structural matrix proteins in mouse embryos during preimplantation development <i>in vivo</i> and <i>in vitro</i>        | Zygote                                     | 22:2:259-265     | 10.1017/S0967199412000469    | ○     |          | ○  |      |         |        |
| 2014 | 福井<br>吉澤<br>松本 | Saito K, Furukawa E, Kobayashi M, Fukui E, Yoshizawa M, Matsumoto H                                      | Degradation of estrogen receptor α in activated blastocysts is associated with implantation in the delayed implantation mouse model                                                      | Mol Hum Reprod                             | 20:5:384-391     | 10.1093/molehr/gau004        | ○     |          | ○  |      |         |        |

| 発行年  | 教員名    | 著者                                                                                                                                             | 題名                                                                                                                                                                            | 雑誌名                                      | 巻・ページ               | doi                             | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------|---------------------------------|-------|----------|----|------|---------|--------|
| 2014 | 石栗飯塚横田 | Aiso H, Ishiguri F, Takashima Y, Iizuka K, Yokota S                                                                                            | Reaction wood anatomy in a vessel-less angiosperm <i>Sarcandra glabra</i>                                                                                                     | IAWA Journal                             | 35(2):116-126       | 10.1163/22941932-00000053       |       |          |    | ○    |         |        |
| 2014 | 石栗飯塚横田 | Irawati D, Sutapa JPG, Marsoem SN, Wedatama S, Ishiguri F, Iizuka K, Yokota S                                                                  | The effect of storage time of cloud ear fungus ( <i>Auricularia polytricha</i> ) spent culture media made of three Indonesian tree species on their saccharification rate     | Journal of the Japan Institute of Energy | 93(4):340-344       | 10.3775/jie.93.340              | ○     |          |    |      |         |        |
| 2014 | 石栗横田   | Suzuki H, Takashima Y, Ishiguri F, Yoshizawa N, Yokota S                                                                                       | Proteomic analysis of responsive proteins induced in Japanese birch plantlet treated with salicylic acid                                                                      | Proteomes                                | 2(3):323-340        | 10.3390/proteomes2030323        | ○     |          |    |      |         |        |
| 2014 | 岩永川崎   | Hua-Bing Wang, Iwanaga M, Kawasaki H                                                                                                           | Stage-specific activation of the E74B promoter by low ecdysone concentrations in the wing disc of <i>Bombyx mori</i>                                                          | Gene                                     | 537:2:322-327       | 10.1016/j.gene.2013.12.002      |       |          | ○  |      |         |        |
| 2014 | 長尾     | Abe T, Hanazono Y, Nagao Y                                                                                                                     | Long-term follow-up study on the engraftment of human hematopoietic stem cells in sheep                                                                                       | Experimental Animals                     | 63:475-481          | 10.1538/expanim.63.475          | ○     |          |    |      |         |        |
| 2014 | 二瓶     | Iwadate T, Kashiwakura Y, Masuoka N, Yamada Y, Nihei K                                                                                         | Chemical Synthesis and Tyrosinase Inhibitory Activity of Rhododendrol Glycoside                                                                                               | Bioorg Med Chem                          | 24(1):122-125       | 10.1016/j.bmcl.2013.11.063      |       | ○        |    |      |         |        |
| 2014 | 二瓶     | Kamatani J, Iwadate T, Tajima R, Kimoto H, Yamada Y, Masuoka N, Kubo I, Nihei K                                                                | Stereochemical Investigation and Total Synthesis of Inuloidin, a Biologically Active Sesquiterpenoid from <i>Heterotheca inuloides</i>                                        | Tetrahedron                              | 70:19:3141-3145     | 10.1016/j.tet.2014.03.057       |       | ○        |    |      |         |        |
| 2014 | 二瓶     | Oode C, Shimada W, Izutsu Y, Yokota M, Iwadate T, Nihei K                                                                                      | Synthesis of dihydroresveratrol glycosides and evaluation of their activity against melanogenesis in B16F0 melanoma cells                                                     | Eur J Med Chem                           | 87:862-867          | 10.1016/j.ejmech.2014.09.092    |       | ○        |    |      |         |        |
| 2014 | 平井     | 朝妻英治、高橋行継、平井英明                                                                                                                                 | 有機質肥料と床土原土との混和時期が水稻苗の生育に及ぼす影響                                                                                                                                                 | 農作業研究                                    | 49:1:31~36          | 10.4035/jsfwr.49.31             |       |          |    |      |         |        |
| 2014 | 謝野村    | Abe S, Sado A, Tanaka K, Kisugi T, Asami K, Ota S, Kim H.I, Yoneyama K, Xie X, Ohnishi T, Seto Y, Yamaguchi S, Akiyama K, Yoneyama K, Nomura T | Carlactone is converted to carlactonoic acid by MAX1 in <i>Arabidopsis</i> and its methyl ester can directly interact with AtD14 in vitro                                     | Proc Natl Acad Sci USA                   | 111(50):18084-18089 | 10.1073/pnas.1410801111         | ○     | ○        |    | ○    |         |        |
| 2014 | 謝野村    | Khetkam P, Xie X, Kisugi T, Kim H.I, Yoneyama K, Kisugi T, Uchida K, Yokota T, Nomura T, Yoneyama K                                            | 7 $\alpha$ - and 7 $\beta$ -Hydroxyorobanchyl acetate as germination stimulants for root parasitic weeds produced by cucumber                                                 | J Pestic Sci                             | 39:3:121-126        | 10.1584/jpestics.D14-038        |       | ○        |    | ○    |         |        |
| 2014 | 野村     | Asahina M, Tamaki Y, Sakamoto T, Shibata K, Nomura T, Yokota T                                                                                 | Blue light-promoted rice leaf bending and unrolling are due to up-regulated brassinosteroid biosynthesis genes accompanied by accumulation of castasterone                    | Phytochemistry                           | 104:21-29           | 10.1016/j.phytochem.2014.04.017 |       | ○        |    | ○    |         |        |
| 2014 | 野村     | Kim H.I, Kisugi T, Khetkam P, Xie X, Yoneyama K, Uchida K, Yokota T, Nomura T, McErlean C.S.P, Yoneyama K                                      | Avenaol, a germination stimulant for root parasitic plants from <i>Avena strigosa</i>                                                                                         | Phytochemistry                           | 103: 85-88          | 10.1016/j.phytochem.2014.03.030 |       | ○        |    | ○    |         |        |
| 2014 | 近藤     | 磯田博子, 近藤真司                                                                                                                                     | 地中海食薬資源由来ポリフェノールの機能性: ロズマリン酸の抗うつ薬様効果 (総説)                                                                                                                                     | 日本ポリフェノール学会雑誌                            | 3(1):31-36          |                                 |       |          | ○  |      |         |        |
| 2014 | 矢ヶ崎    | Ha BG, Yonezawa T, Son MJ, Woo JT, Ohba S, Chung UI, Yagasaki K                                                                                | Antidiabetic effect of nepodin, a component of Rumex roots, and its modes of action in vitro and in vivo                                                                      | Biofactors                               | 40(4), 436-447      | 10.1002/biof.1165               |       |          | ○  |      |         |        |
| 2014 | 矢ヶ崎    | Cheong SH, Furuhashi K, Ito K, Nagaoka M, Yonezawa T, Miura Y, Yagasaki K                                                                      | Daidzein promotes glucose uptake through glucose transporter 4 translocation to plasma membrane in L6 myocytes and improves glucose homeostasis in Type 2 diabetic model mice | J Nutr Biochem                           | 25(2):136-143       | 10.1016/j.jnutbio.2013.09.012   |       |          | ○  |      |         |        |
| 2014 | 矢ヶ崎    | Cheong SH, Furuhashi K, Ito K, Nagaoka M, Yonezawa T, Miura Y, Yagasaki K                                                                      | Anthyperglycemic effect of equol, a daidzein derivative, in cultured L6 myocytes and ob/ob mice                                                                               | Mol Nutr Food Res                        | 58(2):267-277       | 10.1002/mnfr.201300272          |       |          | ○  |      |         |        |
| 2014 | 矢ヶ崎    | Takeshima K, Mori Y, Sakai F, Haruta-Ono Y, Kadooka Y, Yagasaki K, Miura Y                                                                     | Ameliorative effect of dietary milk-derived sphingomyelin concentrates on atopic-like dermatitis in NC/Nga mice                                                               | J Functional Foods                       | 8:53-61             | 10.1016/j.jff.2014.03.001       |       |          | ○  |      |         |        |
| 2014 | 矢ヶ崎    | Yagasaki K                                                                                                                                     | Anti-diabetic phytochemicals that promote GLUT4 translocation via AMPK signaling in muscle cells                                                                              | Nutr Aging                               | 2(1):35-44          | 10.3233/NUA-130032              |       |          | ○  |      |         |        |

| 発行年  | 教員名       | 著者                                                                                                                      | 題名                                                                                                                                                                                  | 雑誌名                                            | 巻・ページ           | doi                               | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|-----------------------------------|-------|----------|----|------|---------|--------|
| 2014 | 安達        | Adachi SI, Eguchi A, Sakamoto K, Asano H, Manabe Y, Matsumura S, Tsuzuki S, Inoue K, Fushiki T                          | Behavioral palatability of dietary fatty acids correlates with the intracellular calcium ion levels induced by the fatty acids in GPR120-expressing cells                           | Biomedical Research                            | 35(6):357-367   | 10.2220/biomedres.35.357          |       |          | ○  |      |         |        |
| 2014 | 矢ヶ崎       | 矢ヶ崎一三                                                                                                                   | ファイトケミカルの糖尿病・糖代謝に対する作用とその機構 (解説)                                                                                                                                                    | New Food Industry                              | 56(2):1-12      |                                   |       |          | ○  |      |         |        |
| 2013 | 児玉        | Ogasawara Y, Ishizaki K, Kohchi T & Kodama Y                                                                            | Cold-induced organelle relocation in the liverwort <i>Marchantia polymorpha</i> L                                                                                                   | Plant Cell Environ                             | 36:1520-1528    | 10.1111/pce.12085                 | ○     |          |    |      |         |        |
| 2013 | 児玉        | Lakshmanan M, Kodama Y, Yoshizumi T, Sudesh K & Numata K                                                                | Rapid and efficient gene delivery into plant cells using designed peptide carriers                                                                                                  | Biomacromolecules                              | 14:10-16        | 10.1021/bm301275g                 | ○     |          |    |      |         |        |
| 2013 | 児玉        | Kodama Y & Hu C-D                                                                                                       | Bimolecular fluorescence complementation (BiFC) analysis of protein-protein interaction: How to calculate signal-to-noise ratio                                                     | Methods Cell Biol                              | 113:107-121     | 10.1016/B978-0-12-407239-8.000069 | ○     |          |    |      |         |        |
| 2013 | 逢沢 飯塚 大久保 | 望月寛子, 逢沢峰昭, 中山ちさ, 飯塚和也, 大久保達弘                                                                                           | 北関東高高山系におけるフモトミズナラの種特性とミズナラおよびコナラの種特性との比較                                                                                                                                           | 植物地理・分類研究                                      | 61:31-43        | 10.11519/jfsc.125.0_313           | ○     |          |    |      |         |        |
| 2013 | 芋川        | Wakabayashi Y, Nakajima H, Imokawa G                                                                                    | Abrogating effect of N-linked carbohydrate modifiers on the stem cell factor and endothelin-1- stimulated epidermal pigmentation in human epidermal equivalents                     | J Dermatol Sci                                 | 69(3):215-28    | 10.1016/j.jdermsci.2012.11.590    | ○     |          |    |      |         |        |
| 2013 | 芋川        | Bong-Keun Choi, Byung-Yoon Cha, Fujiwara T, Kanamoto A, Je-Tae Woo, Ojika M, Imokawa G                                  | Arenarol isolated from a marine sponge abrogates endothelin-1-stimulated melanogenesis by interrupting MEK phosphorylation in normal human melanocytes                              | Cytotechnology                                 | 65(6):915-26    | 10.1007/s10616-013-9555-5         | ○     |          |    |      |         |        |
| 2013 | 芋川        | Takenaka Y, Hoshino Y, Nakajima H, Hayashi N, Kawashima M, Imokawa G                                                    | Paracrine cytokine mechanisms underlying the hyperpigmentation of seborrheic keratosis in covered skin areas                                                                        | J Dermatol                                     | 40(7):533-42    | 10.1111/1346-8138.12178           | ○     |          |    |      |         |        |
| 2013 | 井口        | Inokuchi T, Ikuzawa M, Yamazaki S, Watanabe Y, Shiota K, Katoh T, Kobayashi K                                           | Molecular cloning of pepsinogens A and C from adult newt ( <i>Cynops pyrrhogaster</i> ) stomach                                                                                     | Comp. Biochem Physiol B                        | 165:4:226-235   | 10.1016/j.cbpb.2013.05.003        | ○     |          |    |      |         |        |
| 2013 | 高橋        | Kato S, Wachi T, Yoshihira K, Nakagawa T, Ishikawa A, Takagi D, Tezuka A, Yoshida H, Yoshida S, Sekimoto H, Takahashi M | Rice ( <i>Oryza sativa</i> L.) roots have iodate reduction activity in response to iodine                                                                                           | Frontiers in Plant Science                     | 4:227:1-11      | 10.3389/fpls.2013.00227           | ○     |          |    | ○    |         |        |
| 2013 | 高橋        | Masuda H, Kobayashi T, Ishimaru Y, Takahashi M, Aung M.S, Nakanishi H, Mori S, Nishizawa N.K                            | Iron-biofortification in rice by the introduction of three barley genes participated in mugineic acid biosynthesis with soybean <i>ferritin</i> gene                                | Frontiers in Plant Science                     | 4:132:1-12      | 10.3389/fpls.2013.00132           | ○     |          |    |      |         |        |
| 2013 | 黒倉        | Burana C, Kurokura T, Yamane K                                                                                          | Short-term controlled atmosphere and 1-MCP effects on the vase life of cut flowers                                                                                                  | Acta Horticulturae                             | 1071:83:635-639 | 10.17660/ActaHortic.2015.1071.83  | ○     |          |    |      |         |        |
| 2013 | 山根        | Burana C, Yamane K, Yamaki Y                                                                                            | Effects of 1-methylcyclopropene (1-MCP) and modified atmosphere packaging (MAP) treatments during transportation on the quality of potted impatiens ( <i>Impatiens walleriana</i> ) | Acta Hort                                      | 970:223-228     | 10.17660/ActaHortic.2013.970.25   | ○     |          |    | ○    |         |        |
| 2013 | 山根        | Yamane K, Burana C, Ohira W, Yamaki Y                                                                                   | Effects of active modified atmosphere packaging (MAP) on carbohydrates contents and quality in potted carnations ( <i>Dianthus caryophyllus</i> )                                   | Acta Hort                                      | 970:93-99       | 10.17660/ActaHortic.2013.970.9    | ○     |          |    | ○    |         |        |
| 2013 | 謝         | Yoneyama K, Xie X, Yoneyama K                                                                                           | Strigolactones and Biological Activity                                                                                                                                              | Handbook of Natural Products vol. 3            | 115:3583-3604   |                                   |       | ○        |    | ○    |         |        |
| 2013 | 謝         | Yoneyama K, Kisugi T, Xie X, Yoneyama K                                                                                 | Chemistry of strigolactones: why and how do plants produce so many strigolactones?                                                                                                  | Molecular Microbial Ecology of The Rhizosphere | 34:373-379      |                                   |       | ○        |    | ○    |         |        |
| 2013 | 諸星        | Ochiai S, Morohoshi T, Kurabeishi A, Shinozaki M, Fujita H, Sawada I, Ikeda T                                           | Production and degradation of <i>N</i> -acylhomoserine lactone quorum sensing signal molecules in bacteria isolated from activated sludge                                           | Biosci Biotech Biochem                         | 77:2436-2440    | 10.1271/bbb.130553                | ○     |          |    |      |         |        |
| 2013 | 諸星        | Morohoshi T, Wang W. Z, Suto T, Saito Y, Ito S, Someya N, Ikeda T                                                       | Phenazine antibiotic production and antifungal activity are regulated by multiple quorum-sensing systems in <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> StFRB508       | J Biosci Bioeng                                | 116:5:580-584   | 10.1016/j.jbiosc.2013.04.022      | ○     |          |    |      |         |        |

| 発行年  | 教員名             | 著者                                                                                                                                         | 題名                                                                                                                                                                                           | 雑誌名                                     | 巻・ページ            | doi                                 | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------|-------------------------------------|-------|----------|----|------|---------|--------|
| 2013 | 諸星              | Morohoshi T, Tokita K, Ito S, Saito Y, Maeda S, Kato N, Ikeda T                                                                            | Inhibition of quorum sensing in Gram-negative bacteria by alkylamine-modified cyclodextrins                                                                                                  | J Biosci Bioeng                         | 116(2):175-179   | 10.1016/j.jbiosc.2013.01.022        | ○     |          |    |      |         |        |
| 2013 | 諸星              | Kato T, Morohoshi T, Tsuchiura S, Ikeda T                                                                                                  | Phenotypic characterization of colony morphological mutants of <i>Burkholderia glumae</i> that emerged during subculture                                                                     | J Gen Plant Pathol                      | 79:249-259       | 10.1007/s10327-013-0454-6           | ○     |          |    |      |         |        |
| 2013 | 諸星              | Migiyama Y, Kaneko Y, Yanagihara K, Morohoshi T, Morinaga Y, Nakamura S, Miyazaki T, Hasegawa H, Izumikawa K, Kakeya H, Kohrogi H, Kohno S | Efficacy of AiiM, an <i>N</i> -acylhomoserine lactonase, against <i>Pseudomonas aeruginosa</i> in a mouse model of acute pneumonia                                                           | Antimicrob Agents Chemother             | 57(8):3653-3658  | 10.1128/AAC.00456-13                | ○     |          |    |      |         |        |
| 2013 | 福井<br>松本<br>吉澤  | 阿久津麗, 福井えみ子, 松本浩道, 吉澤緑                                                                                                                     | 黒毛和種およびニホンジカのBreast cancer 1遺伝子における比較解析                                                                                                                                                      | 日本比較臨床医学会誌                              | 21:15-21         |                                     | ○     |          |    |      |         |        |
| 2013 | 石栗<br>飯塚<br>横田  | Takashima Y, Suzuki M, Ishiguri F, Iizuka K, Yoshizawa N, Yokota S                                                                         | Cationic peroxidase related to basal resistance of <i>Betula platyphylla</i> var. <i>japonica</i> plantlet No.8 against canker-rot fungus <i>Inonotus obliquus</i> strain IO-U1              | Plant Biotechnology                     | 30(2):199-205    | 10.5511/plantbiotechnology.13.0312b | ○     |          |    |      |         |        |
| 2013 | 石栗<br>飯塚<br>横田  | Takashima Y, Ishiguri F, Iizuka K, Yoshizawa N, Yokota S                                                                                   | Proteome analysis of infection-specific proteins from Japanese birch ( <i>Betula platyphylla</i> var. <i>japonica</i> ) plantlet No.8 infected with <i>Inonotus obliquus</i> strain IO-U1    | Plant Biotechnology                     | 30(1):83-87      | 10.5511/plantbiotechnology.12.1129a | ○     |          |    |      |         |        |
| 2013 | 石栗              | Irawati D, Takashima Y, Ueda C, Sutapa JPG, Marsoem SN, Ishiguri F, Iizuka K, Yoshizawa N, Yokota S                                        | Ozone treatment of spent medium from <i>Auricularia polytricha</i> cultivation for enzymatic saccharification and subsequent ethanol production                                              | Journal of Wood Science                 | 59(6):522-527    | 10.1007/s10086-013-1356-0           | ○     |          |    |      |         |        |
| 2013 | 岩永<br>川崎        | Ali MS, Iwamaga M, Kawasaki H                                                                                                              | Ecdysone-responsive transcriptional regulation determines the temporal expression of cuticular protein genes in wing discs of <i>Bombyx mori</i>                                             | Gene                                    | 512(2):337-347   | 10.1016/j.gene.2012.09.126          |       |          | ○  |      |         |        |
| 2013 | 塚原<br>前田        | Maeda I, Siddiki MS, Nozawa-Takeda T, Tsukahara N, Tani Y, Naïto T, Sugita S                                                               | Population abundance of potentially pathogenic organisms in intestinal microbiome of jungle crow ( <i>Corvus macrorhynchos</i> ) shown with 16S rRNA gene-based microbial community analysis | Biomed Res                              | 438956           | 10.1155/2013/438956                 | ○     |          |    |      |         |        |
| 2013 | 前田              | Maeda I, Inaba A, Koike H, Yoneyama K, Ueda S, Yoshida K                                                                                   | Acyclic carotenoid and cyclic apocarotenoid cleavage by an orthologue of lignostilbene- $\alpha$ , $\beta$ -dioxygenase in <i>Rhodopseudomonas palustris</i>                                 | J Biochem                               | 154(5):449-54    | 10.1093/jb/mvt075                   | ○     |          |    |      |         |        |
| 2013 | 前田              | Tsuboyama M, Maeda I                                                                                                                       | Combinatorial parallel display of polypeptides using bacteriophage T7 for development of fluorescent nano-bioprobes                                                                          | J Biosci Bioeng                         | 116(1):28-33     | 10.1016/j.jbiosc.2013.01.015        | ○     |          |    |      |         |        |
| 2013 | 長尾              | Borjigin Sarentonglaga, Ogata K, Taguchi Y, Kato Y, Nagao Y                                                                                | The developmental potential of oocytes is impaired in cattle with liver abnormalities                                                                                                        | Journal of Reproduction and Development | 59(2):168-173    | 10.1262/jrd.2012-163                | ○     |          |    |      |         |        |
| 2013 | 二瓶<br>薫山        | Chen Z, Nihei K, Tanaka H, Uda Y, Kabuyama Y                                                                                               | Identification of Nitric Oxide Generation-stimulative Principle in <i>Scutellariae radix</i>                                                                                                 | Biosci Biotechnol Biochem               | 77(3):657-659    | 10.1271/bbb.120800                  |       | ○        |    |      |         |        |
| 2013 | 福井              | Matsui M, Honjo H, J. Ole Becker, Fukui R                                                                                                  | Temperature-dependent effects of soil amendment with crop residues on suppression of Rhizoctonia damping-off of sugar beet                                                                   | Plant and Soil                          | 366:467-477      | 10.1007/s11104-012-1427-9           |       |          |    | ○    |         |        |
| 2013 | 平井              | 佐藤紀男、星野幸一、大澤和敏、平井英明                                                                                                                        | 代かき・移植期に猪苗代湖に流入する排水路に流出した水田土壌の性質                                                                                                                                                             | 日本土壌肥科学雑誌                               | 84(6):473~477    | 10.20710/dojo.84.6_473              |       |          |    |      |         |        |
| 2013 | 逢沢<br>平井<br>大久保 | 逢沢峰昭・乾友恵・平井英明・大澤和敏・池田純子・大久保達弘                                                                                                              | 北関東の中山間地域の農用林における落葉および落葉堆肥生産と水田施用の有効性                                                                                                                                                        | 森林立地                                    | 55(2):119~126    | 10.18922/jife.55.2_119              |       |          |    |      |         |        |
| 2013 | 野村              | Nomura T, Magome H, Hanada A, Takeda-Kamiya N, Mander L.N, Kamiya Y, Yamaguchi S                                                           | Functional analysis of <i>Arabidopsis</i> CYP714A1 and CYP714A2 reveals that they are distinct gibberellin modification enzymes                                                              | Plant Cell Physiol                      | 54(11):1837-1851 | 10.1093/pcp/pct125                  |       | ○        |    | ○    |         |        |
| 2013 | 謝<br>野村         | Yoneyama K, Xie X, Kisugi T, Nomura T, Yoneyama K                                                                                          | Nitrogen and phosphorus fertilization negatively affects strigolactone production and exudation in sorghum                                                                                   | Planta                                  | 238:885-894      | 10.1007/s00425-013-1943-8           |       | ○        |    | ○    |         |        |

| 発行年  | 教員名 | 著者                                                                                                                | 題名                                                                                            | 雑誌名                    | 巻・ページ         | doi                             | ゲノミクス | 生体分子機能解析 | 動物 | 資源植物 | バイオリソース | アイソトープ |
|------|-----|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------|---------------|---------------------------------|-------|----------|----|------|---------|--------|
| 2013 | 野村  | Magome H, Nomura T, Hanada A, Takeda-Kamiya N, Ohnishi T, Shinma Y, Katsumata T, Kawaide H, Kamiya Y, Yamaguchi S | CYP714B1 and CYP714B2 encode gibberellin 13-oxidases that reduce gibberellin activity in rice | Proc Natl Acad Sci USA | 110:1947-1952 | 10.1073/pnas.1215788110         |       | ○        |    | ○    |         |        |
| 2013 | 謝野村 | Kisugi T, Xie X, Kim H.I, Yoneyama K, Sado A, Akiyama K, Hayashi H, Uchida K, Yokota T, Nomura T, Yoneyama K      | Strigone, isolation and identification as a natural strigolactone from Houttuynia cordata     | Phytochemistry         | 87:60-64      | 10.1016/j.phytochem.2012.11.013 |       | ○        |    | ○    |         |        |
| 2013 | 謝野村 | Xie X, Yoneyama K, Kisugi T, Uchida K, Ito S, Akiyama K, Hayashi H, Yokota T, Nomura T, Yoneyama K                | Confirming Stereochemical Structures of Strigolactones Produced by Rice and Tobacco           | Mol. Plant             | 6: 153-163    | 10.1093/mp/sss139               |       | ○        |    | ○    |         |        |
| 2013 | 和田  | 和田義春・大関文恵・小林朋子・桑川春樹                                                                                               | 冷水灌漑が水稻高温登熟障害発生軽減に及ぼす影響                                                                       | 日本作物学会紀事               | 82:4:360-368  | 10.1626/jcs.82.360              |       |          |    | ○    |         |        |