Kiwamu Minamisawa

List of Publications by Year
in descending order

185 papers	8,818 citations	38742 50 h-index	56724 83 g-index
186 all docs	186 docs citations	186 times ranked	6832 citing authors

#	Article	IF	Citations
1	Complete Genomic Sequence of Nitrogen-fixing Symbiotic Bacterium Bradyrhizobium japonicum USDA110. DNA Research, 2002, 9, 189-197.	3.4	768
2	Core microbiomes for sustainable agroecosystems. Nature Plants, 2018, 4, 247-257.	9.3	639
3	Endophytic Colonization and In Planta Nitrogen Fixation by a Herbaspirillum sp. Isolated from Wild Rice Species. Applied and Environmental Microbiology, 2001, 67, 5285-5293.	3.1	411
4	Expression Islands Clustered on the Symbiosis Island of the Mesorhizobium loti Genome. Journal of Bacteriology, 2004, 186, 2439-2448.	2.2	205
5	Nitrogen Cycling in Rice Paddy Environments: Past Achievements and Future Challenges. Microbes and Environments, 2011, 26, 282-292.	1.6	180
6	Isolation and characterization of endophytic bacteria from wild and traditionally cultivated rice varieties. Soil Science and Plant Nutrition, 2000, 46, 617-629.	1.9	176
7	Complete Genomic Structure of the Cultivated Rice Endophyte Azospirillum sp. B510. DNA Research, 2010, 17, 37-50.	3.4	148
8	Effects of Ethylene Precursor and Inhibitors for Ethylene Biosynthesis and Perception on Nodulation in Lotus japonicus and Macroptilium atropurpureum. Plant and Cell Physiology, 2000, 41, 893-897.	3.1	136
9	Rhizobitoxine Production by Bradyrhizobium elkanii Enhances Nodulation and Competitiveness on Macroptilium atropurpureum. Applied and Environmental Microbiology, 2000, 66, 2658-2663.	3.1	120
10	Community- and Genome-Based Views of Plant-Associated Bacteria: Plantâ€"Bacterial Interactions in Soybean and Rice. Plant and Cell Physiology, 2010, 51, 1398-1410.	3.1	118
11	Mitigation of nitrous oxide emissions from soils by Bradyrhizobium japonicum inoculation. Nature Climate Change, 2013, 3, 208-212.	18.8	117
12	Development of a Bacterial Cell Enrichment Method and its Application to the Community Analysis in Soybean Stems. Microbial Ecology, 2009, 58, 703-714.	2.8	108
13	Complete Genome Sequence of the Soybean Symbiont Bradyrhizobium japonicum Strain USDA6T. Genes, 2011, 2, 763-787.	2.4	108
14	The communities of endophytic diazotrophic bacteria in cultivated rice (Oryza sativa L.). Applied Soil Ecology, 2009, 42, 141-149.	4.3	101
15	Metaproteomic Identification of Diazotrophic Methanotrophs and Their Localization in Root Tissues of Field-Grown Rice Plants. Applied and Environmental Microbiology, 2014, 80, 5043-5052.	3.1	101
16	Rhizobitoxine modulates plantâ€"microbe interactions by ethylene inhibition. Biotechnology Advances, 2006, 24, 382-388.	11.7	96
17	Expression of the 1-Aminocyclopropane-1-Carboxylic Acid Deaminase Gene Requires Symbiotic Nitrogen-Fixing Regulator Gene nifA2 in Mesorhizobium loti MAFF303099. Applied and Environmental Microbiology, 2006, 72, 4964-4969.	3.1	94
18	Novel Endophytic Nitrogen-Fixing Clostridia from the Grass Miscanthus sinensis as Revealed by Terminal Restriction Fragment Length Polymorphism Analysis. Applied and Environmental Microbiology, 2004, 70, 6580-6586.	3.1	92

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19	Transgenic Lotus japonicus with an Ethylene Receptor Gene Cm-ERS1/H70A Enhances Formation of Infection Threads and Nodule Primordia. Plant and Cell Physiology, 2004, 45, 427-435.	3.1	90
20	Low Nitrogen Fertilization Adapts Rice Root Microbiome to Low Nutrient Environment by Changing Biogeochemical Functions. Microbes and Environments, 2014, 29, 50-59.	1.6	90
21	Variation in bradyrhizobial NopP effector determines symbiotic incompatibility with Rj2-soybeans via effector-triggered immunity. Nature Communications, 2018, 9, 3139.	12.8	88
22	Anaerobic Nitrogen-Fixing Consortia Consisting of Clostridia Isolated from Gramineous Plants. Applied and Environmental Microbiology, 2004, 70, 3096-3102.	3.1	84
23	Effects of Colonization of a Bacterial Endophyte,<i>Azospirillum</i>sp. B510, on Disease Resistance in Rice. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2595-2599.	1.3	79
24	Composition of storage carbohydrate in tubers of yacon (<i>Polymnia sonchifolia</i>). Soil Science and Plant Nutrition, 1990, 36, 167-171.	1.9	76
25	Complete Genomic Sequence of Nitrogen-fixing Symbiotic Bacterium Bradyrhizobium japonicum USDA110 (Supplement). DNA Research, 2002, 9, 225-256.	3.4	76
26	Complete Genome Sequence of <i>Bradyrhizobium</i> sp. S23321: Insights into Symbiosis Evolution in Soil Oligotrophs. Microbes and Environments, 2012, 27, 306-315.	1.6	76
27	Two Rhizobial Strains, Mesorhizobium loti MAFF303099 and Bradyrhizobium japonicum USDA110, Encode Haloalkane Dehalogenases with Novel Structures and Substrate Specificities. Applied and Environmental Microbiology, 2005, 71, 4372-4379.	3.1	73
28	Isolation and enzymological characterization of infected and uninfected cell protoplasts from root nodules of Glycine max. Physiologia Plantarum, 1988, 73, 327-334.	5.2	72
29	The Involvement of Indole-3-Acetic Acid Produced by Bradyrhizobium elkanii in Nodule Formation. Plant and Cell Physiology, 1994, 35, 1261-1265.	3.1	71
30	The Type III Secretion System of Bradyrhizobium japonicum USDA122 Mediates Symbiotic Incompatibility with <i>Rj2</i> Soybean Plants. Applied and Environmental Microbiology, 2013, 79, 1048-1051.	3.1	71
31	Slow-growing and oligotrophic soil bacteria phylogenetically close to Bradyrhizobium japonicum. FEMS Microbiology Ecology, 1998, 25, 277-286.	2.7	70
32	Azospirillum sp. Strain B510 Enhances Rice Growth and Yield. Microbes and Environments, 2010, 25, 58-61.	1.6	69
33	New Assay for Rhizobitoxine Based on Inhibition of 1-Aminocyclopropane-1-Carboxylate Synthase. Applied and Environmental Microbiology, 1999, 65, 849-852.	3.1	68
34	Genomic comparison of <i>Bradyrhizobium japonicum</i> strains with different symbiotic nitrogen-fixing capabilities and other Bradyrhizobiaceae members. ISME Journal, 2009, 3, 326-339.	9.8	67
35	Plant-Microbe Communications for Symbiosis. Plant and Cell Physiology, 2010, 51, 1377-1380.	3.1	67
36	Identification of Nitrogen-Fixing Bradyrhizobium Associated With Roots of Field-Grown Sorghum by Metagenome and Proteome Analyses. Frontiers in Microbiology, 2019, 10, 407.	3.5	64

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37	Community shifts of soybean stem-associated bacteria responding to different nodulation phenotypes and N levels. ISME Journal, 2010, 4, 315-326.	9.8	63
38	Metagenomic Analysis of the Bacterial Community Associated with the Taproot of Sugar Beet. Microbes and Environments, 2015, 30, 63-69.	1.6	63
39	The Type III Secretion System (T3SS) is a Determinant for Rice-Endophyte Colonization by Non-Photosynthetic <i>Bradyrhizobium</i>. Microbes and Environments, 2015, 30, 291-300.	1.6	62
40	DNA Sequence and Mutational Analysis of Rhizobitoxine Biosynthesis Genes in Bradyrhizobium elkanii. Applied and Environmental Microbiology, 2001, 67, 4999-5009.	3.1	61
41	Comparison of Extracellular Polysaccharide Composition, Rhizobitoxine Production, and Hydrogenase Phenotype among Various Strains of Bradyrhizobium japonicum. Plant and Cell Physiology, 1989, 30, 877-884.	3.1	60
42	Ethylene production in plants during transformation suppresses <i>vir</i> gene expression in <i>Agrobacterium tumefaciens</i>. New Phytologist, 2008, 178, 647-656.	7.3	59
43	Exploration of bacterial N₂-fixation systems in association with soil-grown sugarcane, sweet potato, and paddy rice: a review and synthesis. Soil Science and Plant Nutrition, 2017, 63, 578-590.	1.9	58
44	Genetic relatedness of Bradyrhizobium japonicum field isolates as revealed by repeated sequences and various other characteristics. Applied and Environmental Microbiology, 1992, 58, 2832-2839.	3.1	58
45	Mitigation of soil N2O emission by inoculation with a mixed culture of indigenous Bradyrhizobium diazoefficiens. Scientific Reports, 2016, 6, 32869.	3.3	57
46	Expression of the nifH Gene of a Herbaspirillum Endophyte in Wild Rice Species: Daily Rhythm during the Light-Dark Cycle. Applied and Environmental Microbiology, 2005, 71, 8183-8190.	3.1	56
47	Symbiotic Bradyrhizobium japonicum Reduces N 2 O Surrounding the Soybean Root System via Nitrous Oxide Reductase. Applied and Environmental Microbiology, 2006, 72, 2526-2532.	3.1	56
48	Effect of ethylene on Agrobacterium tumefaciens-mediated gene transfer to melon. Plant Breeding, 2000, 119, 75-79.	1.9	54
49	Rhizobial Strategies to Enhance Symbiotic Interactions: Rhizobitoxine and 1-Aminocyclopropane-1-Carboxylate Deaminase. Microbes and Environments, 2004, 19, 99-111.	1.6	54
50	Microbial Community Analysis of the Phytosphere Using Culture-Independent Methodologies. Microbes and Environments, 2007, 22, 93-105.	1.6	52
51	Genome Analysis of a Novel Bradyrhizobium sp. DOA9 Carrying a Symbiotic Plasmid. PLoS ONE, 2015, 10, e0117392.	2.5	52
52	Preferential Association of Endophytic Bradyrhizobia with Different Rice Cultivars and Its Implications for Rice Endophyte Evolution. Applied and Environmental Microbiology, 2015, 81, 3049-3061.	3.1	52
53	Aerobic Vanillate Degradation and C ₁ Compound Metabolism in <i>Bradyrhizobium japonicum</i>. Applied and Environmental Microbiology, 2009, 75, 5012-5017.	3.1	51
54	Autoregulation of Nodulation Interferes with Impacts of Nitrogen Fertilization Levels on the Leaf-Associated Bacterial Community in Soybeans. Applied and Environmental Microbiology, 2011, 77, 1973-1980.	3.1	50

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55	Genome Analysis Suggests that the Soil Oligotrophic Bacterium Agromonas oligotrophica (Bradyrhizobium oligotrophicum) Is a Nitrogen-Fixing Symbiont of Aeschynomene indica. Applied and Environmental Microbiology, 2013, 79, 2542-2551.	3.1	49
56	Distribution of rhizobia in leguminous plants surveyed by phylogenetic identification.. Journal of General and Applied Microbiology, 1993, 39, 339-354.	0.7	48
57	Impact of plant genotype and nitrogen level on rice growth response to inoculation with<i>Azospirillum</i>sp. strain B510 under paddy field conditions. Soil Science and Plant Nutrition, 2010, 56, 636-644.	1.9	48
58	A Great Leap forward in Microbial Ecology. Microbes and Environments, 2010, 25, 230-240.	1.6	48
59	Genetic Diversity, Symbiotic Evolution, and Proposed Infection Process of Bradyrhizobium Strains Isolated from Root Nodules of Aeschynomene americana L. in Thailand. Applied and Environmental Microbiology, 2012, 78, 6236-6250.	3.1	47
60	Bacterial clade with the ribosomal RNA operon on a small plasmid rather than the chromosome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14343-14347.	7.1	47
61	Molecular diversity of bacterial chitinases in arable soils and the effects of environmental factors on the chitinolytic bacterial community. Soil Biology and Biochemistry, 2009, 41, 473-480.	8.8	44
62	Involvement of the SmeAB Multidrug Efflux Pump in Resistance to Plant Antimicrobials and Contribution to Nodulation Competitiveness in Sinorhizobium meliloti. Applied and Environmental Microbiology, 2011, 77, 2855-2862.	3.1	44
63	Redundant roles of Bradyrhizobium oligotrophicum Cu-type (NirK) and cd1-type (NirS) nitrite reductase genes under denitrifying conditions. FEMS Microbiology Letters, 2018, 365, .	1.8	44
64	N₂O Emission from Degraded Soybean Nodules Depends on Denitrification by <i>Bradyrhizobium japonicum</i> and Other Microbes in the Rhizosphere. Microbes and Environments, 2012, 27, 470-476.	1.6	42
65	Origin and Evolution of Nitrogen Fixation Genes on Symbiosis Islands and Plasmid in <i>Bradyrhizobium</i>. Microbes and Environments, 2016, 31, 260-267.	1.6	42
66	Evaluation of Soil DNA from Arable Land in Japan Using a Modified Direct-extraction Method. Microbes and Environments, 2004, 19, 301-309.	1.6	41
67	1-Aminocyclopropane-1-Carboxylate Deaminase Enhances <i>Agrobacterium tumefaciens</i> -Mediated Gene Transfer into Plant Cells. Applied and Environmental Microbiology, 2008, 74, 2526-2528.	3.1	41
68	Construction of Signature-tagged Mutant Library in Mesorhizobium loti as a Powerful Tool for Functional Genomics. DNA Research, 2008, 15, 297-308.	3.4	41
69	Thiosulfate-Dependent Chemolithoautotrophic Growth of <i>Bradyrhizobium japonicum</i>. Applied and Environmental Microbiology, 2010, 76, 2402-2409.	3.1	41
70	Effects of Elevated Carbon Dioxide, Elevated Temperature, and Rice Growth Stage on the Community Structure of Rice Rootâ€“Associated Bacteria. Microbes and Environments, 2014, 29, 184-190.	1.6	41
71	Phylogeny and distribution of extra-slow-growing Bradyrhizobium japonicum harboring high copy numbers of RSÃŽÂ±, RSÃŽÂ² and IS1631. FEMS Microbiology Ecology, 2003, 44, 191-202.	2.7	40
72	Correlation of Denitrifying Capability with the Existence of nap, nir, nor and nos Genes in Diverse Strains of Soybean Bradyrhizobia. Microbes and Environments, 2006, 21, 174-184.	1.6	40

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73	Nitrogen fixation and nifH diversity in human gut microbiota. Scientific Reports, 2016, 6, 31942.	3.3	40
74	Effect of Inoculation with Anaerobic Nitrogen-Fixing Consortium on Salt Tolerance ofMiscanthus sinensis. Soil Science and Plant Nutrition, 2005, 51, 243-249.	1.9	39
75	Microbial Community Analysis of Field-Grown Soybeans with Different Nodulation Phenotypes. Applied and Environmental Microbiology, 2008, 74, 5704-5709.	3.1	39
76	A Rice Gene for Microbial Symbiosis, <i>Oryza sativa</i> <i>CCaMK</i> , Reduces CH ₄ Flux in a Paddy Field with Low Nitrogen Input. Applied and Environmental Microbiology, 2014, 80, 1995-2003.	3.1	39
77	Elevated atmospheric CO2 levels affect community structure of rice root-associated bacteria. Frontiers in Microbiology, 2015, 6, 136.	3.5	38
78	Expression of a mutated melon ethylene receptor gene Cm-ETR1/H69A affects stamen development in Nicotiana tabacum. Plant Science, 2005, 169, 935-942.	3.6	37
79	Are Symbiotic Methanotrophs Key Microbes for N Acquisition in Paddy Rice Root?. Microbes and Environments, 2016, 31, 4-10.	1.6	36
80	Nitrous Oxide Emission and Microbial Community in the Rhizosphere of Nodulated Soybeans during the Late Growth Period. Microbes and Environments, 2009, 24, 64-67.	1.6	35
81	Evolution of Bradyrhizobium-Aeschynomene Mutualism: Living Testimony of the Ancient World or Highly Evolved State?. Plant and Cell Physiology, 2012, 53, 2000-2007.	3.1	35
82	Effects of Plant Genotype and Nitrogen Level on Bacterial Communities in Rice Shoots and Roots. Microbes and Environments, 2013, 28, 391-395.	1.6	34
83	Phylogeny and Functions of Bacterial Communities Associated with Field-Grown Rice Shoots. Microbes and Environments, 2014, 29, 329-332.	1.6	33
84	Nodulation-Dependent Communities of Culturable Bacterial Endophytes from Stems of Field-Grown Soybeans. Microbes and Environments, 2009, 24, 253-258.	1.6	32
85	Relationship Between Soil Type and N₂O Reductase Genotype (<i>nosZ</i>) of Indigenous Soybean Bradyrhizobia: <i>nosZ</i>-minus Populations are Dominant in Andosols. Microbes and Environments, 2014, 29, 420-426.	1.6	32
86	Involvement of ethylene signaling in Azospirillum sp. B510-induced disease resistance in rice. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1522-1526.	1.3	31
87	Diversity and field site variation of indigenous populations of soybean bradyrhizobia in Japan by fingerprints with repeated sequences RSÃŽÂ± and RSÃŽÂ². FEMS Microbiology Ecology, 1999, 29, 171-178.	2.7	30
88	Soybean Seed Extracts Preferentially Express Genomic Loci of Bradyrhizobium japonicum in the Initial Interaction with Soybean, Glycine max (L.) Merr. DNA Research, 2008, 15, 201-214.	3.4	30
89	The Genotype of the Calcium/Calmodulin-Dependent Protein Kinase Gene (<i>CCaMK</i>) Determines Bacterial Community Diversity in Rice Roots under Paddy and Upland Field Conditions. Applied and Environmental Microbiology, 2011, 77, 4399-4405.	3.1	30
90	Horizontal Transfer of Nodulation Genes in Soils and Microcosms from Bradyrhizobium japonicum to B. elkanii.. Microbes and Environments, 2002, 17, 82-90.	1.6	29

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91	Bradyrhizobium elkanii rtxC Gene Is Required for Expression of Symbiotic Phenotypes in the Final Step of Rhizobitoxine Biosynthesis. Applied and Environmental Microbiology, 2004, 70, 535-541.	3.1	29
92	Impact of <i>Azospirillum</i> sp. B510 Inoculation on Rice-Associated Bacterial Communities in a Paddy Field. Microbes and Environments, 2013, 28, 487-490.	1.6	29
93	Generation of <i>Bradyrhizobium japonicum</i> Mutants with Increased N ₂ O Reductase Activity by Selection after Introduction of a Mutated <i>dnaQ</i> Gene. Applied and Environmental Microbiology, 2008, 74, 7258-7264.	3.1	28
94	Nitrogen Cycling in Soybean Rhizosphere: Sources and Sinks of Nitrous Oxide (N2O). Frontiers in Microbiology, 2019, 10, 1943.	3.5	28
95	Nitrate-Dependent N ₂ O Emission from Intact Soybean Nodules via Denitrification by Bradyrhizobium japonicum Bacteroids. Applied and Environmental Microbiology, 2011, 77, 8787-8790.	3.1	27
96	Polyamines in Rhizobium, Bradyrhizobium, Azorhizobium and Argobacterium. FEMS Microbiology Letters, 1990, 71, 71-76.	1.8	26
97	Quantitative and time-course evaluation of nodulation competitiveness of rhizobitoxine-producing Bradyrhizobium elkanii. FEMS Microbiology Ecology, 2003, 45, 155-160.	2.7	26
98	New Method of Denitrification Analysis of Bradyrhizobium Field Isolates by Gas Chromatographic Determination of 15 N-Labeled N 2. Applied and Environmental Microbiology, 2004, 70, 2886-2891.	3.1	25
99	New <i>Bradyrhizobium japonicum</i> Strains That Possess High Copy Numbers of the Repeated Sequence RSÎ±. Applied and Environmental Microbiology, 1998, 64, 1845-1851.	3.1	25
100	Characteristics of Asparagine Pool in Soybean Nodules in Comparison with Ureide Pool. Soil Science and Plant Nutrition, 1986, 32, 1-14.	1.9	24
101	Characterization of Leaf Blade- and Leaf Sheath-Associated Bacterial Communities and Assessment of Their Responses to Environmental Changes in CO₂, Temperature, and Nitrogen Levels under Field Conditions. Microbes and Environments, 2015, 30, 51-62.	1.6	24
102	Plant-Associated Microbes: From Rhizobia To Plant Microbiomes. Microbes and Environments, 2018, 33, 1-3.	1.6	24
103	Broad Distribution and Phylogeny of Anaerobic Endophytes of Cluster XIVa Clostridia in Plant Species Including Crops. Microbes and Environments, 2008, 23, 73-80.	1.6	23
104	Transport of fixed nitrogen from soybean nodules inoculated with H2-uptake positive and negativeRhizobium japonicumstrains. Soil Science and Plant Nutrition, 1983, 29, 85-92.	1.9	22
105	Determination of Rhizobitoxine and Dihydrorhizobitoxine in Soybean Plants by Amino Acid Analyzer. Soil Science and Plant Nutrition, 1987, 33, 645-649.	1.9	22
106	Community Analysis of Seed-Associated Microbes in Forage Crops using Culture-Independent Methods. Microbes and Environments, 2006, 21, 112-121.	1.6	22
107	Global Gene Expression in Bradyrhizobium japonicum Cultured with Vanillin, Vanillate, 4-Hydroxybenzoate and Protocatechuate. Microbes and Environments, 2006, 21, 240-250.	1.6	22
108	Divergent <i>Nod</i>-Containing <i>Bradyrhizobium</i> sp. DOA9 with a Megaplasmid and its Host Range. Microbes and Environments, 2014, 29, 370-376.	1.6	22

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109	Evaluation of the Nitrogen-fixing Ability of Endophytic Clostridia based on Acetylene Reduction and Reverse Transcription-PCR Targeting the nifH Transcript and Ribosomal RNA. Microbes and Environments, 2006, 21, 23-35.	1.6	21
110	Preferential nodulation of Glycine max, Glycine soja and Macroptilium atropurpureum by two Bradyrhizobium species japonicum and elkanii. FEMS Microbiology Ecology, 2006, 24, 49-56.	2.7	21
111	Metagenomic Analysis Revealed Methylamine and Ureide Utilization of Soybean-Associated <i>Methylobacterium</i>. Microbes and Environments, 2016, 31, 268-278.	1.6	21
112	Molecular Analyses of the Distribution and Function of Diazotrophic Rhizobia and Methanotrophs in the Tissues and Rhizosphere of Non-Leguminous Plants. Plants, 2019, 8, 408.	3.5	21
113	CH4 oxidation-dependent 15N2 fixation in rice roots in a low-nitrogen paddy field and in Methylosinus sp. strain 3S-1 isolated from the roots. Soil Biology and Biochemistry, 2019, 132, 40-46.	8.8	21
114	The <i>cbbL</i> Gene is Required for Thiosulfate-Dependent Autotrophic Growth of <i>Bradyrhizobium japonicum</i>. Microbes and Environments, 2010, 25, 220-223.	1.6	20
115	Sulfur Fertilization Changes the Community Structure of Rice Root-, and Soil- Associated Bacteria. Microbes and Environments, 2016, 31, 70-75.	1.6	20
116	Effect of Flooding and the <i>nosZ</i> Gene in Bradyrhizobia on Bradyrhizobial Community Structure in the Soil. Microbes and Environments, 2017, 32, 154-163.	1.6	20
117	Anaerobic Reduction of Nitrate to Nitrous Oxide Is Lower in <i>Bradyrhizobium japonicum</i> than in <i>Bradyrhizobium diazoefficiens</i>. Microbes and Environments, 2017, 32, 398-401.	1.6	20
118	Analysis of Molecular Diversity of Bacterial Chitinase Genes in the Maize Rhizosphere Using Culture-Independent Methods. Microbes and Environments, 2007, 22, 71-77.	1.6	19
119	Microbial Diversity in Milled Rice as Revealed by Riosomal Intergenic Spacer Analysis. Microbes and Environments, 2007, 22, 165-174.	1.6	19
120	Structural characterization of neutral and anionic glucans from Mesorhizobium loti. Carbohydrate Research, 2008, 343, 2422-2427.	2.3	19
121	Isolation and Genetic Characterization of Aurantimonas and Methylobacterium Strains from Stems of Hypernodulated Soybeans. Microbes and Environments, 2011, 26, 172-180.	1.6	19
122	Pyrosequence Read Length of 16S rRNA Gene Affects Phylogenetic Assignment of Plant-associated Bacteria. Microbes and Environments, 2012, 27, 204-208.	1.6	19
123	The nitrateâ€sensing <scp>N</scp>as<scp>ST</scp> system regulates nitrous oxide reductase and periplasmic nitrate reductase in <scp><i>B</i></scp><i>radyrhizobium japonicum</i>. Environmental Microbiology, 2014, 16, 3263-3274.	3.8	19
124	A Sinorhizobium meliloti RpoH-Regulated Gene Is Involved in Iron-Sulfur Protein Metabolism and Effective Plant Symbiosis under Intrinsic Iron Limitation. Journal of Bacteriology, 2016, 198, 2297-2306.	2.2	19
125	Growth Stage-dependent Bacterial Communities in Soybean Plant Tissues: <i>Methylorubrum</i> Transiently Dominated in the Flowering Stage of the Soybean Shoot. Microbes and Environments, 2019, 34, 446-450.	1.6	19
126	Rhizobitoxine-induced Chlorosis Occurs in Coincidence with Methionine Deficiency in Soybeans. Annals of Botany, 2007, 100, 55-59.	2.9	18

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127	Possible Role of 1-Aminocyclopropane-1-Carboxylate (ACC) Deaminase Activity of <i>Sinorhizobium</i> sp. BL3 on Symbiosis with Mung Bean and Determinate Nodule Senescence. Microbes and Environments, 2015, 30, 310-320.	1.6	18
128	Effects of colonization of a bacterial endophyte, <i>Azospirillum</i> sp. B510, on disease resistance in tomato. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1657-1662.	1.3	18
129	Community Analysis-based Screening of Plant Growth-promoting Bacteria for Sugar Beet. Microbes and Environments, 2021, 36, n/a.	1.6	18
130	A lipochito-oligosaccharide, Nod factor, induces transient calcium influx in soybean suspension-cultured cells. Plant Journal, 2000, 22, 71-78.	5.7	17
131	An Assessment of the Diversity of Culturable Bacteria from Main Root of Sugar Beet. Microbes and Environments, 2014, 29, 220-223.	1.6	17
132	Visualization of NO3âˆ'/NO2âˆ' Dynamics in Living Cells by Fluorescence Resonance Energy Transfer (FRET) Imaging Employing a Rhizobial Two-component Regulatory System. Journal of Biological Chemistry, 2016, 291, 2260-2269.	3.4	17
133	IS <i>1631</i> Occurrence in <i>Bradyrhizobium japonicum</i> Highly Reiterated Sequence-Possessing Strains with High Copy Numbers of Repeated Sequences RSÎ± and RSÎ². Applied and Environmental Microbiology, 1999, 65, 3493-3501.	3.1	17
134	Microbial Community Analysis in the Rhizosphere of a Transgenic Tomato that Overexpresses 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase. Microbes and Environments, 2006, 21, 261-271.	1.6	16
135	A Mesorhizobium loti mutant with reduced glucan content shows defective invasion of its host plant Lotus japonicus. Microbiology (United Kingdom), 2007, 153, 3983-3993.	1.8	16
136	Involvement of a Novel Genistein-Inducible Multidrug Efflux Pump of <i>Bradyrhizobium japonicum</i> Early in the Interaction with <i>Glycine max</i> (L.) Merr. Microbes and Environments, 2013, 28, 414-421.	1.6	16
137	Symbiosis Island Shuffling with Abundant Insertion Sequences in the Genomes of Extra-Slow-Growing Strains of Soybean Bradyrhizobia. Applied and Environmental Microbiology, 2015, 81, 4143-4154.	3.1	16
138	Diversity of <i>Bradyrhizobium</i> in Non-Leguminous Sorghum Plants: <i>B. ottawaense</i> Isolates Unique in Genes for N₂O Reductase and Lack of the Type VI Secretion System. Microbes and Environments, 2020, 35, n/a.	1.6	16
139	Soil microbial community analysis in the environmental risk assessment of transgenic plants. Plant Biotechnology, 2006, 23, 137-151.	1.0	16
140	Incorporation of a DNA Sequence Encoding Green Fluorescent Protein (GFP) into Endophytic Diazotroph from Sugarcane and Sweet Potato and the Colonizing Ability of these Bacteria in Brassica oleracea. Microbes and Environments, 2006, 21, 122-128.	1.6	15
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142	NAD-Malic Enzyme Affects Nitrogen Fixing Activity of Bradyrhizobium japonicum USDA 110 Bacteroids in Soybean Nodules. Microbes and Environments, 2008, 23, 215-220.	1.6	14
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