

Tomoyasu Nishizawa

List of Publications by Year in descending order

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44
papers

1,011
citations

471509

17
h-index

434195

31
g-index

44
all docs

44
docs citations

44
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher diversity and abundance of denitrifying microorganisms in environments than considered previously. <i>ISME Journal</i> , 2015, 9, 1954-1965.	9.8	182
2	Detection of Betaproteobacteria inside the Mycelium of the Fungus <i>Mortierella elongata</i> . <i>Microbes and Environments</i> , 2010, 25, 321-324.	1.6	77
3	<i>Mycoavidus cysteinexigens</i> gen. nov., sp. nov., an endohyphal bacterium isolated from a soil isolate of the fungus <i>Mortierella elongata</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2052-2057.	1.7	76
4	Phylogenetic and Functional Diversity of Denitrifying Bacteria Isolated from Various Rice Paddy and Rice-Soybean Rotation Fields. <i>Microbes and Environments</i> , 2011, 26, 30-35.	1.6	69
5	Draft Genome Sequence of the Betaproteobacterial Endosymbiont Associated with the Fungus <i>Mortierella elongata</i> FMR23-6. <i>Genome Announcements</i> , 2014, 2, .	0.8	46
6	Inoculation with N ₂ -generating denitrifier strains mitigates N ₂ O emission from agricultural soil fertilized with poultry manure. <i>Biology and Fertility of Soils</i> , 2014, 50, 1001-1007.	4.3	46
7	Analysis of Early Bacterial Communities on Volcanic Deposits on the Island of Miyake (Miyake-jima), Japan: a 6-year Study at a Fixed Site. <i>Microbes and Environments</i> , 2012, 27, 19-29.	1.6	41
8	Characterization of the locus of genes encoding enzymes producing heptadepsipeptide micropeptin in the unicellular cyanobacterium <i>Microcystis</i> . <i>Journal of Biochemistry</i> , 2011, 149, 475-485.	1.7	36
9	Cyclic heptapeptide microcystin biosynthesis requires the glutamate racemase gene. <i>Microbiology (United Kingdom)</i> , 2001, 147, 1235-1241.	1.8	36
10	Complete Genome Sequence of <i>Leptospirillum ferrooxidans</i> Strain C2-3, Isolated from a Fresh Volcanic Ash Deposit on the Island of Miyake, Japan. <i>Journal of Bacteriology</i> , 2012, 194, 4122-4123.	2.2	34
11	Prevalence and Intra-Family Phylogenetic Divergence of <i>Burkholderiaceae</i> -Related Endobacteria Associated with Species of <i>Mortierella</i> . <i>Microbes and Environments</i> , 2018, 33, 417-427.	1.6	30
12	Complete Genome Sequence of the Denitrifying and N ₂ O-Reducing Bacterium <i>Azoarcus</i> sp. Strain KH32C. <i>Journal of Bacteriology</i> , 2012, 194, 1255-1255.	2.2	29
13	Comparative Genomic Insights into Endofungal Lifestyles of Two Bacterial Endosymbionts, <i>Mycoavidus cysteinexigens</i> and <i>Burkholderia rhizoxinica</i> . <i>Microbes and Environments</i> , 2018, 33, 66-76.	1.6	28
14	Nitrous oxide (N ₂ O)-reducing denitrifier-inoculated organic fertilizer mitigates N ₂ O emissions from agricultural soils. <i>Biology and Fertility of Soils</i> , 2017, 53, 885-898.	4.3	26
15	Archaeal Diversity of Upland Rice Field Soils Assessed by the Terminal Restriction Fragment Length Polymorphism Method Combined with Real Time Quantitative-PCR and a Clone Library Analysis. <i>Microbes and Environments</i> , 2008, 23, 237-243.	1.6	23
16	Nitrogenase Activity (Acetylene Reduction) of an Iron-Oxidizing <i>Leptospirillum</i> Strain Cultured as a Pioneer Microbe from a Recent Volcanic Deposit on Miyake-Jima, Japan. <i>Microbes and Environments</i> , 2009, 24, 291-296.	1.6	22
17	Advantages of functional single-cell isolation method over standard agar plate dilution method as a tool for studying denitrifying bacteria in rice paddy soil. <i>AMB Express</i> , 2012, 2, 50.	3.0	19
18	Isolation and Molecular Characterization of a Multicellular Cyanobacterium, <i>Limnothrix/Pseudanabaena</i> sp. Strain ABRG5-3. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1827-1835.	1.3	17

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19	In vivo and in vitro characterization of site-specific recombination of actinophage R4 integrase. <i>Journal of General and Applied Microbiology</i> , 2011, 57, 45-57.	0.7	17
20	Cloning and characterization of a new hetero-gene cluster of nonribosomal peptide synthetase and polyketide synthase from the cyanobacterium <i>Microcystis aeruginosa</i> K-139. <i>Journal of General and Applied Microbiology</i> , 2007, 53, 17-27.	0.7	13
21	Taxonomic composition of denitrifying bacterial isolates is different among three rice paddy field soils in Japan. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 305-310.	1.9	13
22	Effects of <i>Rhizobium</i> Species Living with the Dark Septate Endophytic Fungus <i>Veronaeopsis simplex</i> on Organic Substrate Utilization by the Host. <i>Microbes and Environments</i> , 2018, 33, 102-106.	1.6	13
23	<i>Mycoavidus</i> sp. Strain B2-EB: Comparative Genomics Reveals Minimal Genomic Features Required by a Cultivable <i>Burkholderiaceae</i> -Related Endofungal Bacterium. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	13
24	Complete genome sequence of <i>Agrobacterium pusense</i> VsBac-Y9, a bacterial symbiont of the dark septate endophytic fungus <i>Veronaeopsis simplex</i> Y34 with potential for improving fungal colonization in roots. <i>Journal of Biotechnology</i> , 2018, 284, 31-36.	3.8	12
25	Diversity within the Microcystin Biosynthetic Gene Clusters among the Genus <i>Microcystis</i> . <i>Microbes and Environments</i> , 2007, 22, 380-390.	1.6	11
26	Complete Genome Sequence of a Microcystin-Degrading Bacterium, <i>Sphingosinicella microcystinivorans</i> Strain B-9. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	11
27	Comparative Characterization of Bacterial Communities in Moss-Covered and Unvegetated Volcanic Deposits of Mount Merapi, Indonesia. <i>Microbes and Environments</i> , 2019, 34, 268-277.	1.6	9
28	<i>Azoarcus</i> sp. strain KH32C affects rice plant growth and the root-associated soil bacterial community in low nitrogen input paddy fields. <i>Soil Science and Plant Nutrition</i> , 2019, 65, 451-459.	1.9	8
29	Aposymbiosis of a <i>Burkholderiaceae</i> -Related Endobacterium Impacts on Sexual Reproduction of Its Fungal Host. <i>Microbes and Environments</i> , 2020, 35, n/a.	1.6	8
30	No Tillage Increases SOM in Labile Fraction but Not Stable Fraction of Andosols from a Long-Term Experiment in Japan. <i>Agronomy</i> , 2022, 12, 479.	3.0	7
31	Genome Sequence of <i>Arthrobacter</i> sp. UKPF54-2, a Plant Growth-Promoting Rhizobacterial Strain Isolated from Paddy Soil. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	6
32	Genome Sequences of Two <i>Azospirillum</i> sp. Strains, TSA2S and TSH100, Plant Growth-Promoting Rhizobacteria with N ₂ O Mitigation Abilities. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	6
33	FVIIa-sTF and Thrombin Inhibitory Activities of Compounds Isolated from <i>Microcystis aeruginosa</i> K-139. <i>Marine Drugs</i> , 2017, 15, 275.	4.6	5
34	Complete Genome Sequence of the Nonheterocystous Cyanobacterium <i>Pseudanabaena</i> sp. ABRG5-3. <i>Genome Announcements</i> , 2018, 6, .	0.8	4
35	Construction of a stepwise gene integration system by transient expression of actinophage R4 integrase in cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Genetics and Genomics</i> , 2014, 289, 615-623.	2.1	3
36	Comparative Analysis of the Genetic Basis of Branched Nonylphenol Degradation by <i>Sphingobium amiensense</i> DSM 16289 ^T and <i>Sphingobium cloacae</i> JCM 10874 ^T . <i>Microbes and Environments</i> , 2018, 33, 450-454.	1.6	3

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37	Whole-Genome Sequence of <i>Entomortierella parvispora</i> E1425, a Mucoromycotan Fungus Associated with <i>Burkholderiaceae</i> -Related Endosymbiotic Bacteria. <i>Microbiology Resource Announcements</i> , 2022, 11, e0110121.	0.6	3
38	Complete Genome Sequence of the Nonylphenol-Degrading Bacterium <i>Sphingobium cloacae</i> JCM 10874 ^T . <i>Genome Announcements</i> , 2016, 4, .	0.8	2
39	Complete Genome Sequence of <i>Streptomyces parvulus</i> 2297, Integrating Site-Specifically with Actinophage R4. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
40	Root bacteriome of a pioneer grass <i>Miscanthus condensatus</i> along restored vegetation on recent Miyake-jima volcanic deposits. <i>Rhizosphere</i> , 2021, 19, 100422.	3.0	2
41	Actinophage R4 integrase-based site-specific chromosomal integration of non-replicative closed circular DNA. <i>Journal of Basic Microbiology</i> , 2016, 56, 635-644.	3.3	1
42	Molecular Analysis of the Cyanobacterial Community in Gastric Contents of Egrets with Symptoms of Steatitis. <i>Open Microbiology Journal</i> , 2015, 9, 160-166.	0.7	1
43	Genome Sequence of <i>Novoherbaspirillum</i> sp. UKPF54, a Plant Growth-Promoting Rhizobacterial Strain with N ₂ O-Mitigating Abilities, Isolated from Paddy Soil. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
44	Complete Genome Sequence of a Chemolithoautotrophic Iron-Oxidizing Bacterium, <i>Acidithiobacillus ferrooxidans</i> Strain NFP31, Isolated from Volcanic Ash Deposits on Miyake-Jima, Japan. <i>Microbiology Resource Announcements</i> , 2022, 11, e0100621.	0.6	0