Man-Young Jung

List of Publications by Year
in descending order

51 papers	2,315 citations	279798 23 h-index	223800 46 g-index
54 all docs	54 docs citations	54 times ranked	2490 citing authors

#	Article	IF	Citations
1	Enrichment and Characterization of an Autotrophic Ammonia-Oxidizing Archaeon of Mesophilic Crenarchaeal Group I.1a from an Agricultural Soil. Applied and Environmental Microbiology, 2011, 77, 8635-8647.	3.1	239
2	Hydrogen peroxide detoxification is a key mechanism for growth of ammonia-oxidizing archaea. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7888-7893.	7.1	181
3	Intact Polar and Core Glycerol Dibiphytanyl Glycerol Tetraether Lipids of Group I.1a and I.1b Thaumarchaeota in Soil. Applied and Environmental Microbiology, 2012, 78, 6866-6874.	3.1	156
4	Cultivation of a highly enriched ammoniaâ€oxidizing archaeon of thaumarchaeotal group I.1b from an agricultural soil. Environmental Microbiology, 2012, 14, 1528-1543.	3.8	148
5	Isotopic signatures of N2O produced by ammonia-oxidizing archaea from soils. ISME Journal, 2014, 8, 1115-1125.	9.8	143
6	Low yield and abiotic origin of N2O formed by the complete nitrifier Nitrospira inopinata. Nature Communications, 2019, 10, 1836.	12.8	123
7	Genome Sequence of an Ammonia-Oxidizing Soil Archaeon, â€œCandidatus Nitrosoarchaeum koreensisâ€• MY1. Journal of Bacteriology, 2011, 193, 5539-5540.	2.2	111
8	Ammoniaâ€oxidising archaea living at low pH: Insights from comparative genomics. Environmental Microbiology, 2017, 19, 4939-4952.	3.8	107
9	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities. ISME Journal, 2022, 16, 272-283.	9.8	96
10	A hydrophobic ammoniaâ€oxidizing archaeon of the Nitrosocosmicus clade isolated from coal tarâ€contaminated sediment. Environmental Microbiology Reports, 2016, 8, 983-992.	2.4	89
11	A Mesophilic, Autotrophic, Ammonia-Oxidizing Archaeon of Thaumarchaeal Group I.1a Cultivated from a Deep Oligotrophic Soil Horizon. Applied and Environmental Microbiology, 2014, 80, 3645-3655.	3.1	76
12	Archaeal nitrification is constrained by copper complexation with organic matter in municipal wastewater treatment plants. ISME Journal, 2020, 14, 335-346.	9.8	62
13	Expansion of Thaumarchaeota habitat range is correlated with horizontal transfer of ATPase operons. ISME Journal, 2019, 13, 3067-3079.	9.8	59
14	Draft Genome Sequence of an Ammonia-Oxidizing Archaeon, â€œCandidatus Nitrosopumilus sediminisâ€• AR2, from Svalbard in the Arctic Circle. Journal of Bacteriology, 2012, 194, 6948-6949.	2.2	52
15	Plant growthâ€promoting archaea trigger induced systemic resistance in <scp>Arabidopsis thaliana</scp> against Pectobacterium carotovorum and Pseudomonas syringae. Environmental Microbiology, 2019, 21, 940-948.	3.8	52
16	Nitrosarchaeum koreense gen. nov., sp. nov., an aerobic and mesophilic, ammonia-oxidizing archaeon member of the phylum Thaumarchaeota isolated from agricultural soil. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 3084-3095.	1.7	46
17	Draft Genome Sequence of an Ammonia-Oxidizing Archaeon, â€œCandidatus Nitrosopumilus koreensisâ€• AR1, from Marine Sediment. Journal of Bacteriology, 2012, 194, 6940-6941.	2.2	40
18	Survival strategies of ammonia-oxidizing archaea (AOA) in a full-scale WWTP treating mixed landfill leachate containing copper ions and operating at low-intensity of aeration. Water Research, 2021, 191, 116798.	11.3	39

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19	Unveiling abundance and distribution of planktonic <scp>B</scp>acteria and <scp>A</scp>rchaea in a polynya in <scp>A</scp>mundsen <scp>S</scp>ea, <scp>A</scp>ntarctica. Environmental Microbiology, 2014, 16, 1566-1578.	3.8	38
20	Thioalbus denitrificans gen. nov., sp. nov., a chemolithoautotrophic sulfur-oxidizing gammaproteobacterium, isolated from marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2045-2051.	1.7	35
21	Indications for enzymatic denitrification to N2O at low pH in an ammonia-oxidizing archaeon. ISME Journal, 2019, 13, 2633-2638.	9.8	35
22	Draft Genome Sequence of the Sulfur-Oxidizing Bacterium â€œCandidatus Sulfurovum sediminumâ€•AR, Which Belongs to the Epsilonproteobacteria. Journal of Bacteriology, 2012, 194, 4128-4129.	2.2	29
23	An Uncultivated Nitrate-Reducing Member of the Genus Herminiimonas Degrades Toluene. Applied and Environmental Microbiology, 2014, 80, 3233-3243.	3.1	29
24	Geosporobacter ferrireducens sp. nov., an anaerobic iron-reducing bacterium isolated from an oil-contaminated site. Antonie Van Leeuwenhoek, 2015, 107, 971-977.	1.7	24
25	Influence of Deglaciation on Microbial Communities in Marine Sediments Off the Coast of Svalbard, Arctic Circle. Microbial Ecology, 2011, 62, 537-548.	2.8	23
26	Genomic Insights Into the Acid Adaptation of Novel Methanotrophs Enriched From Acidic Forest Soils. Frontiers in Microbiology, 2018, 9, 1982.	3.5	23
27	Genomic and kinetic analysis of novel Nitrospinae enriched by cell sorting. ISME Journal, 2021, 15, 732-745.	9.8	23
28	Natronomonas gomsonensis sp. nov., isolated from a solar saltern. Antonie Van Leeuwenhoek, 2013, 104, 627-635.	1.7	22
29	Hoeflea halophila sp. nov., a novel bacterium isolated from marine sediment of the East Sea, Korea. Antonie Van Leeuwenhoek, 2013, 103, 971-978.	1.7	19
30	Ketobacter alkanivorans gen. nov., sp. nov., an n-alkane-degrading bacterium isolated from seawater. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2258-2264.	1.7	18
31	A novel methanotroph in the genus Methylomonas that contains a distinct clade of soluble methane monooxygenase. Journal of Microbiology, 2017, 55, 775-782.	2.8	17
32	Distinct temporal dynamics of planktonic archaeal and bacterial assemblages in the bays of the Yellow Sea. PLoS ONE, 2019, 14, e0221408.	2.5	17
33	Ammonia-oxidizing archaea in biological interactions. Journal of Microbiology, 2021, 59, 298-310.	2.8	15
34	Draconibacterium filum sp. nov., a new species of the genus of Draconibacterium from sediment of the east coast of the Korean Peninsula. Antonie Van Leeuwenhoek, 2015, 107, 1049-1056.	1.7	14
35	Genomic and metatranscriptomic analyses of carbon remineralization in an Antarctic polynya. Microbiome, 2019, 7, 29.	11.1	13
36	Marinoscillum luteum sp. nov., isolated from marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3475-3480.	1.7	12

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37	Pyrosequencing analysis of a bacterial community associated with lavaâ€formed soil from the G otjawal forest in J eju, K orea. MicrobiologyOpen, 2015, 4, 301-312.	3.0	11
38	Draft genome sequence of an aromatic compound-degrading bacterium,Desulfobaculasp. TS, belonging to theDeltaproteobacteria. FEMS Microbiology Letters, 2014, 360, 9-12.	1.8	10
39	Cultivation and biochemical characterization of heterotrophic bacteria associated with phytoplankton bloom in the Amundsen sea polynya, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 123, 126-134.	1.4	10
40	Calculibacillus koreensis gen. nov., sp. nov., an anaerobic Fe(III)-reducing bacterium isolated from sediment of mine tailings. Journal of Microbiology, 2016, 54, 413-419.	2.8	9
41	Paraburkholderia dokdonella sp. nov., isolated from a plant from the genus Campanula. Journal of Microbiology, 2019, 57, 107-112.	2.8	9
42	Leeuwenhoekiella polynyae sp. nov., isolated from a polynya in western Antarctica. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1694-1699.	1.7	9
43	Comparative genomic analysis of Geosporobacter ferrireducens and its versatility of anaerobic energy metabolism. Journal of Microbiology, 2018, 56, 365-371.	2.8	8
44	Kiloniella antarctica sp. nov., isolated from a polynya of Amundsen Sea in Western Antarctic Sea. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2397-2402.	1.7	8
45	Evaluation of a fosmid-clone-based microarray for comparative analysis of swine fecal metagenomes. Journal of Microbiology, 2012, 50, 684-688.	2.8	3
46	Nitrogen Kinetic Isotope Effects of Nitrification by the Complete Ammonia Oxidizer Nitrospira inopinata. MSphere, 2021, 6, e0063421.	2.9	3
47	Metagenomic assessment of a sulfur-oxidizing enrichment culture derived from marine sediment. Journal of Microbiology, 2010, 48, 739-747.	2.8	2
48	Draft Genome Sequence of â€œCandidatus Izimaplasma sp.â€•Strain ZiA1, Obtained from a Toluene-Degrading and Iron-Reducing Enrichment Culture. Microbiology Resource Announcements, 2018, 7, .	0.6	2
49	Identification of Anaerobic Thermophilic Thermococcus Dominant in Enrichment Cultures from a Hydrothermal Vent Sediment of Tofua Arc. Korean Journal of Microbiology, 2012, 48, 42-47.	0.2	0
50	A Unique Prokaryotic Assemblage of Wall Biofilm of a Volcanic Cave (Daesubee) in Jeju. Korean Journal of Microbiology, 2013, 49, 184-190.	0.2	0
51	Isolation and Characterization of Sulfate- and Sulfur-reducing Bacteria from Woopo Wetland, Sunchun Bay, and Tidal Flat of Yellow Sea. Korean Journal of Microbiology, 2014, 50, 254-260.	0.2	0