

Claudia L

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10117014/publications.pdf>

Version: 2024-02-01

31
papers

1,924
citations

236925

25
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

2274
citing authors

#	ARTICLE	IF	CITATIONS
1	Conceptualizing functional traits and ecological characteristics of methane-oxidizing bacteria as life strategies. <i>Environmental Microbiology Reports</i> , 2013, 5, 335-345.	2.4	225
2	Nitrate- and nitrite-dependent anaerobic oxidation of methane. <i>Environmental Microbiology Reports</i> , 2016, 8, 941-955.	2.4	150
3	Potential of <i>pmoA</i> Amplicon Pyrosequencing for Methanotroph Diversity Studies. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6305-6309.	3.1	131
4	One millimetre makes the difference: high-resolution analysis of methane-oxidizing bacteria and their specific activity at the oxic-anoxic interface in a flooded paddy soil. <i>ISME Journal</i> , 2012, 6, 2128-2139.	9.8	127
5	Classification of <i>pmoA</i> amplicon pyrosequences using BLAST and the lowest common ancestor method in MEGAN. <i>Frontiers in Microbiology</i> , 2012, 5, 34.	3.5	121
6	Enrichment of anaerobic nitrate-dependent methanotrophic <i>Candidatus Methanoperedens nitroreducens</i> ™ archaea from an Italian paddy field soil. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7075-7084.	3.6	110
7	Biogeography of wetland rice methanotrophs. <i>Environmental Microbiology</i> , 2010, 12, 862-872.	3.8	92
8	Metagenomic analysis of nitrogen and methane cycling in the Arabian Sea oxygen minimum zone. <i>PeerJ</i> , 2016, 4, e1924.	2.0	77
9	Recovery of methanotrophs from disturbance: population dynamics, evenness and functioning. <i>ISME Journal</i> , 2011, 5, 750-758.	9.8	71
10	<i>McrA</i> primers for the detection and quantification of the anaerobic archaeal methanotroph <i>Candidatus Methanoperedens nitroreducens</i> ™. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1631-1641.	3.6	65
11	Stratification of Diversity and Activity of Methanogenic and Methanotrophic Microorganisms in a Nitrogen-Fertilized Italian Paddy Soil. <i>Frontiers in Microbiology</i> , 2017, 8, 2127.	3.5	62
12	Linking Nitrogen Load to the Structure and Function of Wetland Soil and Rhizosphere Microbial Communities. <i>MSystems</i> , 2018, 3, .	3.8	56
13	Aerobic methanotroph diversity in <i>Riganqiao</i> peatlands on the <i>Qinghai</i> <i>Tibetan Plateau</i> . <i>Environmental Microbiology Reports</i> , 2013, 5, 566-574.	2.4	55
14	Succession of methanotrophs in oxygen-methane counter-gradients of flooded rice paddies. <i>ISME Journal</i> , 2010, 4, 1603-1607.	9.8	49
15	Ageing well: methane oxidation and methane oxidizing bacteria along a chronosequence of 2000 years. <i>Environmental Microbiology Reports</i> , 2011, 3, 738-743.	2.4	49
16	Structure and function of methanotrophic communities in a landfill-cover soil. <i>FEMS Microbiology Ecology</i> , 2012, 81, 52-65.	2.7	46
17	Macroecology of methane-oxidizing bacteria: the diversity of <i>pmoA</i> genotypes in tropical and subtropical rice paddies. <i>Environmental Microbiology</i> , 2014, 16, 72-83.	3.8	45
18	Effects of nitrogen fertilization on diazotrophic activity of microorganisms associated with <i>Sphagnum magellanicum</i> . <i>Plant and Soil</i> , 2016, 406, 83-100.	3.7	44

#	ARTICLE	IF	CITATIONS
19	Metagenomic potential for and diversity of N ₂ -cycle driving microorganisms in the Bothnian Sea sediment. <i>MicrobiologyOpen</i> , 2017, 6, e00475.	3.0	43
20	Methane source strength and energy flow shape methanotrophic communities in oxygen ² -methane counter ² -gradients. <i>Environmental Microbiology Reports</i> , 2012, 4, 203-208.	2.4	41
21	Resilience of (seed bank) aerobic methanotrophs and methanotrophic activity to desiccation and heat stress. <i>Soil Biology and Biochemistry</i> , 2016, 101, 130-138.	8.8	38
22	Impacts of Inter- and Intralaboratory Variations on the Reproducibility of Microbial Community Analyses. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7451-7458.	3.1	37
23	Selective stimulation in a natural community of methane oxidizing bacteria: Effects of copper on <i>pmoA</i> transcription and activity. <i>Soil Biology and Biochemistry</i> , 2013, 65, 211-216.	8.8	35
24	Field ² -scale tracking of active methane ² -oxidizing communities in a landfill cover soil reveals spatial and seasonal variability. <i>Environmental Microbiology</i> , 2015, 17, 1721-1737.	3.8	33
25	Gammaproteobacterial Methanotrophs Dominate Cold Methane Seeps in Floodplains of West Siberian Rivers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5944-5954.	3.1	27
26	Survey of methanotrophic diversity in various ecosystems by degenerate methane monooxygenase gene primers. <i>AMB Express</i> , 2017, 7, 162.	3.0	24
27	Methanotrophic bacteria associated to rice roots: the cultivar effect assessed by T ² -RFLP and microarray analysis. <i>Environmental Microbiology Reports</i> , 2011, 3, 518-525.	2.4	21
28	Spatial heterogeneity of methanotrophs: a geostatistical analysis of <i>pmoA</i> -based T ² -RFLP patterns in a paddy soil. <i>Environmental Microbiology Reports</i> , 2009, 1, 393-397.	2.4	18
29	<i>Methylotetracoccus oryzae</i> Strain C50C1 Is a Novel Type Ib Gammaproteobacterial Methanotroph Adapted to Freshwater Environments. <i>MSphere</i> , 2019, 4, .	2.9	14
30	Effect of water management on microbial diversity and composition in an Italian rice field system. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	11
31	Compositional and functional stability of aerobic methane consuming communities in drained and rewetted peat meadows. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv119.	2.7	6