John W Moreau

List of Publications by Year
in descending order

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47 papers	2,448 citations	257450 24 h-index	223800 46 g-index
55 all docs	55 docs citations	55 times ranked	3777 citing authors

#	Article	IF	Citations
1	Mercury sources, distribution, and bioavailability in the North Pacific Ocean: Insights from data and models. Global Biogeochemical Cycles, 2009, 23, .	4.9	378
2	Uranium mobility in organic matter-rich sediments: A review of geological and geochemical processes. Earth-Science Reviews, 2016, 159, 160-185.	9.1	283
3	Extracellular Proteins Limit the Dispersal of Biogenic Nanoparticles. Science, 2007, 316, 1600-1603.	12.6	254
4	Microbial mercury methylation in Antarctic sea ice. Nature Microbiology, 2016, 1, 16127.	13.3	158
5	Mineralogical Biosignatures and the Search for Life on Mars. Astrobiology, 2001, 1, 447-465.	3.0	139
6	Ultrastructure, aggregation-state, and crystal growth of biogenic nanocrystalline sphalerite and wurtzite. American Mineralogist, 2004, 89, 950-960.	1.9	102
7	Impact Features on Europa: Results of the Galileo Europa Mission (GEM). Icarus, 2001, 151, 93-111.	2.5	92
8	Ancient DNA from marine sediments: Precautions and considerations for seafloor coring, sample handling and data generation. Earth-Science Reviews, 2019, 196, 102887.	9.1	90
9	Mercury methylation by metabolically versatile and cosmopolitan marine bacteria. ISME Journal, 2021, 15, 1810-1825.	9.8	74
10	A Transmission Electron Microscopy Study of Silica and Kerogen Biosignatures in Ëœ1.9 Ga Gunflint Microfossils. Astrobiology, 2004, 4, 196-210.	3.0	54
11	Model biomimetic studies of templated growth and assembly of nanocrystalline FeOOH. Geochimica Et Cosmochimica Acta, 2003, 67, 1185-1195.	3.9	50
12	Diversity of Dissimilatory Sulfite Reductase Genes (<i>dsrAB</i>) in a Salt Marsh Impacted by Long-Term Acid Mine Drainage. Applied and Environmental Microbiology, 2010, 76, 4819-4828.	3.1	48
13	Changes in the deep subsurface microbial biosphere resulting from a field-scale CO2 geosequestration experiment. Frontiers in Microbiology, 2014, 5, 209.	3.5	44
14	Quantifying Heavy Metals Sequestration by Sulfate-Reducing Bacteria in an Acid Mine Drainage-Contaminated Natural Wetland. Frontiers in Microbiology, 2013, 4, 43.	3.5	43
15	Thio arsenic species measurements in marine organisms and geothermal waters. Microchemical Journal, 2013, 111, 82-90.	4.5	42
16	The Effect of Natural Organic Matter on Mercury Methylation by Desulfobulbus propionicus 1pr3. Frontiers in Microbiology, 2015, 6, 1389.	3.5	42
17	Characterization of uranium redox state in organic-rich Eocene sediments. Chemosphere, 2018, 194, 602-613.	8.2	40
18	Thermoflavifilum aggregans gen. nov., sp. nov., a thermophilic and slightly halophilic filamentous bacterium from the phylum Bacteroidetes. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1264-1270.	1.7	39

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19	Environmental considerations for subseabed geological storage of CO2: A review. Continental Shelf Research, 2014, 83, 116-128.	1.8	37
20	Metagenomic and lipid analyses reveal a diel cycle in a hypersaline microbial ecosystem. ISME Journal, 2015, 9, 2697-2711.	9.8	35
21	Microbial contributions to coupled arsenic and sulfur cycling in the acid-sulfide hot spring Champagne Pool, New Zealand. Frontiers in Microbiology, 2014, 5, 569.	3.5	32
22	Thermorudis pharmacophila sp. nov., a novel member of the class Thermomicrobia isolated from geothermal soil, and emended descriptions of Thermomicrobium roseum, Thermomicrobium carboxidum, Thermorudis peleae and Sphaerobacter thermophilus. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 4479-4487.	1.7	32
23	New insights into the genetic and metabolic diversity of thiocyanate-degrading microbial consortia. Applied Microbiology and Biotechnology, 2016, 100, 1101-1108.	3.6	29
24	Crustal fluid and ash alteration impacts on the biosphere of Shikoku Basin sediments, Nankai Trough, Japan. Geobiology, 2015, 13, 562-580.	2.4	28
25	Distribution of iron- and sulfate-reducing bacteria across a coastal acid sulfate soil (CASS) environment: implications for passive bioremediation by tidal inundation. Frontiers in Microbiology, 2015, 6, 624.	3.5	27
26	Thiocyanate adsorption on ferrihydrite and its fate during ferrihydrite transformation to hematite and goethite. Chemosphere, 2015, 119, 987-993.	8.2	27
27	Characterization of an autotrophic bioreactor microbial consortium degrading thiocyanate. Applied Microbiology and Biotechnology, 2017, 101, 5889-5901.	3.6	23
28	Biodegradation of thiocyanate by a novel strain <i>of Burkholderia phytofirmans</i> from soil contaminated by gold mine tailings. Letters in Applied Microbiology, 2013, 57, 368-372.	2.2	21
29	Limisphaera ngatamarikiensis gen. nov., sp. nov., a thermophilic, pink-pigmented coccus isolated from subaqueous mud of a geothermal hotspring. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1114-1121.	1.7	20
30	<i>In Situ</i> Stimulation of Thiocyanate Biodegradation through Phosphate Amendment in Gold Mine Tailings Water. Environmental Science & Technology, 2017, 51, 13353-13362.	10.0	20
31	Genome-Resolved Metagenomics and Detailed Geochemical Speciation Analyses Yield New Insights into Microbial Mercury Cycling in Geothermal Springs. Applied and Environmental Microbiology, 2020, 86, .	3.1	19
32	The geomicrobiology of CO2 geosequestration: a focused review on prokaryotic community responses to field-scale CO2 injection. Frontiers in Microbiology, 2015, 6, 263.	3.5	17
33	Experimental evaluation of sampling, storage and analytical protocols for measuring arsenic speciation in sulphidic hot spring waters. Microchemical Journal, 2017, 130, 162-167.	4.5	16
34	Genome-resolved metagenomics of an autotrophic thiocyanate-remediating microbial bioreactor consortium. Water Research, 2019, 158, 106-117.	11.3	11
35	Biodegradation of thiocyanate by a native groundwater microbial consortium. PeerJ, 2019, 7, e6498.	2.0	10
36	Manganese-reducing Pseudomonas fluorescens-group bacteria control arsenic mobility in gold mining-contaminated groundwater. Environmental Earth Sciences, 2014, 71, 4187-4198.	2.7	9

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37	Thiocyanate biodegradation: harnessing microbial metabolism for mine remediation. Microbiology Australia, 2018, 39, 157.	0.4	8
38	Mercury distribution and mobility at the abandoned Puhipuhi mercury mine, Northland, New Zealand. New Zealand Journal of Geology, and Geophysics, 2015, 58, 78-87.	1.8	7
39	The effect of heavy metals on thiocyanate biodegradation by an autotrophic microbial consortium enriched from mine tailings. Applied Microbiology and Biotechnology, 2021, 105, 417-427.	3.6	6
40	Time-resolved microbial guild responses to tidal cycling in a coastal acid-sulfate system. Environmental Chemistry, 2018, 15, 2.	1.5	5
41	Seawater recirculation through subducting sediments sustains a deeply buried population of sulfateâ€reducing bacteria. Geobiology, 2019, 17, 172-184.	2.4	5
42	Characterisation of uranium-pyrite associations within organic-rich Eocene sediments using EM, XFM-ÂµXANES and ÂµXRD. Ore Geology Reviews, 2021, 133, 104051.	2.7	5
43	Effects of Environmental Parameters on Thiocyanate Biodegradation by Burkholderia phytofirmans Candidate Strain ST01hv. Environmental Engineering Science, 2018, 35, 62-66.	1.6	4
44	Subsurface carbon monoxide oxidation capacity revealed through genomeâ€resolved metagenomics of a carboxydotroph. Environmental Microbiology Reports, 2020, 12, 525-533.	2.4	3
45	COUPLED NITROGEN AND OXYGEN ISOTOPE STUDY OF NITRATE AT A RURAL UNLINED LANDFILL IN WESTERN VICTORIA, AUSTRALIA. American Journal of Environmental Sciences, 2014, 10, 383-390.	0.5	2
46	Bacterial predation limits microbial sulfate-reduction in a coastal acid sulfate soil (CASS) ecosystem. Soil Biology and Biochemistry, 2020, 148, 107930.	8.8	2
47	Can Bacteria Living Underground Help Fight Climate Change?. Frontiers for Young Minds, 0, 6, .	0.8	0