Jack Lcm Van De Vossenberg

List of Publications by Year
in descending order

42 papers	5,501 citations	172457 29 h-index	276875 41 g-index
42 all docs	42 docs citations	42 times ranked	4198 citing authors

#	Article	IF	Citations
1	Deciphering the evolution and metabolism of an anammox bacterium from a community genome. Nature, 2006, 440, 790-794.	27.8	1,075
2	Revising the nitrogen cycle in the Peruvian oxygen minimum zone. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4752-4757.	7.1	677
3	Candidatus â€œAnammoxoglobus propionicusâ€•a new propionate oxidizing species of anaerobic ammonium oxidizing bacteria. Systematic and Applied Microbiology, 2007, 30, 39-49.	2.8	511
4	Candidatus Ã¢Â€Â˜Brocadia fulgidaÃ¢Â€Â™: an autofluorescent anaerobic ammonium oxidizing bacterium. FEMS Microbiology Ecology, 2008, 63, 46-55.	2.7	388
5	Biomarkers for In Situ Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. Applied and Environmental Microbiology, 2005, 71, 1677-1684.	3.1	325
6	Anaerobic ammonium-oxidizing bacteria in marine environments: widespread occurrence but low diversity. Environmental Microbiology, 2007, 9, 1476-1484.	3.8	307
7	The metagenome of the marine anammox bacterium â€˜Candidatus Scalindua profundaâ€™ illustrates the versatility of this globally important nitrogen cycle bacterium. Environmental Microbiology, 2013, 15, 1275-1289.	3.8	246
8	Enrichment and characterization of marine anammox bacteria associated with global nitrogen gas production. Environmental Microbiology, 2008, 10, 3120-3129.	3.8	231
9	Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB). Waste Management, 2016, 57, 149-157.	7.4	180
10	1994â€“2004: 10Âyears of research on the anaerobic oxidation of ammonium. Biochemical Society Transactions, 2005, 33, 119-123.	3.4	163
11	On the evolution and physiology of cable bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19116-19125.	7.1	127
12	Identification and characterization of the pupB gene encoding an inducible ferric-pseudobactin receptor of Pseudomonas putida WCS358. Molecular Microbiology, 1993, 8, 591-601.	2.5	112
13	Microbial carbon metabolism associated with electrogenic sulphur oxidation in coastal sediments. ISME Journal, 2015, 9, 1966-1978.	9.8	104
14	Ladderane lipid distribution in four genera of anammox bacteria. Archives of Microbiology, 2008, 190, 51-66.	2.2	92
15	Homeostasis of the membrane proton permeability in Bacillus subtilis grown at different temperatures. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1419, 97-104.	2.6	85
16	Ladderane phospholipids in anammox bacteria comprise phosphocholine and phosphoethanolamine headgroups. FEMS Microbiology Letters, 2006, 258, 297-304.	1.8	82
17	Global impact and application of the anaerobic ammonium-oxidizing (anammox) bacteria. Biochemical Society Transactions, 2006, 34, 174-178.	3.4	77
18	Application, eco-physiology and biodiversity of anaerobic ammonium-oxidizing bacteria. Reviews in Environmental Science and Biotechnology, 2004, 3, 255-264.	8.1	71

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19	A multiâ€proxy study of anaerobic ammonium oxidation in marine sediments of the Gullmar Fjord, Sweden. Environmental Microbiology Reports, 2011, 3, 360-366.	2.4	63
20	Physiology and behaviour of marine Thioploca. ISME Journal, 2009, 3, 647-657.	9.8	62
21	Biodiversity of N-cycle bacteria in nitrogen removing moving bed biofilters for freshwater recirculating aquaculture systems. Aquaculture, 2010, 306, 177-184.	3.5	57
22	Comparison of Cu, Zn and Fe bioleaching from Cu-metallurgical slags in the presence of Pseudomonas fluorescens and Acidithiobacillus thiooxidans. Applied Geochemistry, 2016, 68, 39-52.	3.0	54
23	Impact of Temperature on Ladderane Lipid Distribution in Anammox Bacteria. Applied and Environmental Microbiology, 2010, 76, 1596-1603.	3.1	53
24	Physiological and phylogenetic study of an ammonium-oxidizing culture at high nitrite concentrations. Systematic and Applied Microbiology, 2008, 31, 114-125.	2.8	40
25	Microbial Groundwater Quality Status of Hand-Dug Wells and Boreholes in the Dodowa Area of Ghana. International Journal of Environmental Research and Public Health, 2018, 15, 730.	2.6	40
26	Identification of bacteria in drinking water with Raman spectroscopy. Analytical Methods, 2013, 5, 2679.	2.7	38
27	Biological Nitrogen Removal in a Photosequencing Batch Reactor with an Algal-Nitrifying Bacterial Consortium and Anammox Granules. Environmental Science and Technology Letters, 2016, 3, 175-179.	8.7	37
28	The positive inside rule is not determined by the polarity of the Î”Ï. Molecular Microbiology, 1998, 29, 1125-1126.	2.5	34
29	Lactic Acid Fermentation, Urea and Lime Addition: Promising Faecal Sludge Sanitizing Methods for Emergency Sanitation. International Journal of Environmental Research and Public Health, 2015, 12, 13871-13885.	2.6	32
30	Bioleaching and selective biorecovery of zinc from zinc metallurgical leach residues from the TrÃªs Marias zinc plant (Minas Gerais, Brazil). Journal of Chemical Technology and Biotechnology, 2017, 92, 512-521.	3.2	23
31	Recovery of phosphorus from municipal wastewater treatment sludge through bioleaching using Acidithiobacillus thiooxidans. Journal of Environmental Management, 2020, 270, 110818.	7.8	23
32	Photo-oxygenation for nitritation and the effect of dissolved oxygen concentrations on anaerobic ammonium oxidation. Science of the Total Environment, 2018, 634, 868-874.	8.0	17
33	(Bio)leaching Behavior of Chromite Tailings. Minerals (Basel, Switzerland), 2018, 8, 261.	2.0	17
34	Assessing Drinking Water Quality at the Point of Collection and within Household Storage Containers in the Hilly Rural Areas of Mid and Far-Western Nepal. International Journal of Environmental Research and Public Health, 2020, 17, 2172.	2.6	15
35	Inactivation of indicator organisms on different surfaces after urban floods. Science of the Total Environment, 2020, 704, 135456.	8.0	11
36	Adaptations of the Cell Membrane for Life in Extreme Environments. Cell and Molecular Response To Stress, 2000, , 71-88.	0.4	9

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37	Unravelling the removal mechanisms of bacterial and viral surrogates in aerobic granular sludge systems. Water Research, 2021, 195, 116992.	11.3	8
38	Effect of Artificial Solar Radiation on the Die-Off of Pathogen Indicator Organisms in Urban Floods. International Journal of Environmental Research, 2019, 13, 107-116.	2.3	7
39	Effectiveness of UV-C light irradiation on disinfection of an eSOS^{Â®} smart toilet evaluated in a temporary settlement in the Philippines. International Journal of Environmental Health Research, 2016, 26, 536-553.	2.7	3
40	Die-off of E. coli as fecal indicator organism on different surfaces after urban floods. Journal of Environmental Management, 2019, 250, 109516.	7.8	3
41	Double-Stranded DNA Virus Assemblages in Groundwater in Three Informal Urban Settlements in Sub-Saharan Africa Differ from Each Other. ACS ES&T Water, 2021, 1, 1992-2000.	4.6	2
42	Impacts of Pit Latrine Additives on Volatile Solids and E. coli in Faecal Sludge. Water Science and Technology Library, 2018, , 445-464.	0.3	0