

Rob J Mesman

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

716
citations

840776

11
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

955
citing authors

#	ARTICLE	IF	CITATIONS
1	Anammox Planctomycetes have a peptidoglycan cell wall. <i>Nature Communications</i> , 2015, 6, 6878.	12.8	194
2	Extracellular electron transfer-dependent anaerobic oxidation of ammonium by anammox bacteria. <i>Nature Communications</i> , 2020, 11, 2058.	12.8	168
3	Immunogold Localization of Key Metabolic Enzymes in the Anammoxosome and on the Tubule-Like Structures of <i>Kuenenia stuttgartiensis</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2432-2441.	2.2	52
4	<i>Alienimonas californiensis</i> gen. nov. sp. nov., a novel Planctomycete isolated from the kelp forest in Monterey Bay. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1751-1766.	1.7	40
5	Ammonia oxidation at pH 2.5 by a new gammaproteobacterial ammonia-oxidizing bacterium. <i>ISME Journal</i> , 2021, 15, 1150-1164.	9.8	39
6	Microscopic Methods to Observe the Distribution of Lipids in the Cellular Membrane. <i>Biochemistry</i> , 2014, 53, 639-653.	2.5	37
7	Branchial nitrogen cycle symbionts can remove ammonia in fish gills. <i>Environmental Microbiology Reports</i> , 2016, 8, 590-594.	2.4	34
8	In-situ integrity control of frozen-hydrated, vitreous lamellas prepared by the cryo-focused ion beam-scanning electron microscope. <i>Journal of Structural Biology</i> , 2013, 183, 11-18.	2.8	31
9	Community Composition and Ultrastructure of a Nitrate-Dependent Anaerobic Methane-Oxidizing Enrichment Culture. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	28
10	<i>Methylacidimicrobium thermophilum</i> AP8, a Novel Methane- and Hydrogen-Oxidizing Bacterium Isolated From Volcanic Soil on Pantelleria Island, Italy. <i>Frontiers in Microbiology</i> , 2021, 12, 637762.	3.5	14
11	Ultrastructure and Viral Metagenome of Bacteriophages from an Anaerobic Methane Oxidizing <i>Methylomirabilis</i> Bioreactor Enrichment Culture. <i>Frontiers in Microbiology</i> , 2016, 7, 1740.	3.5	13
12	Universal activity-based labeling method for ammonia- and alkane-oxidizing bacteria. <i>ISME Journal</i> , 2022, 16, 958-971.	9.8	12
13	Intranasal vaccination with protein bodies elicit strong protection against <i>Streptococcus pneumoniae</i> colonization. <i>Vaccine</i> , 2021, 39, 6920-6929.	3.8	10
14	Characterization of the first planctomycetal outer membrane protein identifies a channel in the outer membrane of the anammox bacterium <i>Kuenenia stuttgartiensis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 767-776.	2.6	9
15	Novel and conventional inhibitors of canonical autophagy differently affect LC3-associated phagocytosis. <i>FEBS Letters</i> , 2022, 596, 491-509.	2.8	9
16	A novel method for high-pressure freezing of adherent cells for frozen hydrated sectioning and CEMOVIS. <i>Journal of Structural Biology</i> , 2013, 183, 527-530.	2.8	6
17	Antimicrobial Late Cornified Envelope Proteins: The Psoriasis Risk Factor Deletion of LCE3B/C Genes Affects Microbiota Composition. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1947-1955.e6.	0.7	5
18	Growth on Carbohydrates from Carbonaceous Meteorites Alters the Immunogenicity of Environment-Derived Bacterial Pathogens. <i>Astrobiology</i> , 2020, 20, 1353-1362.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Endocarditis Caused by Nontypeable <i>Streptococcus pneumoniae</i> . <i>Clinical Infectious Diseases</i> , 2022, 75, 719-722.	5.8	2
20	The Polygonal Cell Shape and Surface Protein Layer of Anaerobic Methane-Oxidizing <i>Methylomirabilis lanthanidiphila</i> Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 766527.	3.5	2
21	The Anammoxosome Organelle: The Power Plant of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. <i>Microbiology Monographs</i> , 2020, , 107-123.	0.6	1