

Jacob R Waldbauer

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,073
citations

516710

16
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

2938
citing authors

#	ARTICLE	IF	CITATIONS
1	The carbon cycle and associated redox processes through time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 931-950.	4.0	389
2	Steroids, triterpenoids and molecular oxygen. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 951-968.	4.0	316
3	Deciphering ocean carbon in a changing world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3143-3151.	7.1	253
4	Metabolic and biogeochemical consequences of viral infection in aquatic ecosystems. <i>Nature Reviews Microbiology</i> , 2020, 18, 21-34.	28.6	222
5	Late Archean molecular fossils from the Transvaal Supergroup record the antiquity of microbial diversity and aerobiosis. <i>Precambrian Research</i> , 2009, 169, 28-47.	2.7	151
6	Transcriptome and Proteome Dynamics of a Light-Dark Synchronized Bacterial Cell Cycle. <i>PLoS ONE</i> , 2012, 7, e43432.	2.5	140
7	Use of stable isotope-labelled cells to identify active grazers of picocyanobacteria in ocean surface waters. <i>Environmental Microbiology</i> , 2009, 11, 512-525.	3.8	138
8	Microaerobic steroid biosynthesis and the molecular fossil record of Archean life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13409-13414.	7.1	86
9	Improved methods for isolating and validating indigenous biomarkers in Precambrian rocks. <i>Organic Geochemistry</i> , 2007, 38, 1987-2000.	1.8	63
10	Strontium, hydrothermal systems and steady-state chemical weathering in active mountain belts. <i>Earth and Planetary Science Letters</i> , 2005, 238, 351-366.	4.4	53
11	Distinct molecular signatures in dissolved organic matter produced by viral lysis of marine cyanobacteria. <i>Environmental Microbiology</i> , 2018, 20, 3001-3011.	3.8	48
12	Nitrogen sourcing during viral infection of marine cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15590-15595.	7.1	47
13	Oxygen and hydrogen isotope ratios in freshwater chert as indicators of ancient climate and hydrologic regime. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1377-1390.	3.9	42
14	Global tRNA misacylation induced by anaerobiosis and antibiotic exposure broadly increases stress resistance in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2016, 44, gkw856.	14.5	31
15	diDO-IPTL: A Peptide-Labeling Strategy for Precision Quantitative Proteomics. <i>Analytical Chemistry</i> , 2017, 89, 11498-11504.	6.5	28
16	Carbon substrate reorders relative growth of a bacterium using Mo, V, or Fe nitrogenase for nitrogen fixation. <i>Environmental Microbiology</i> , 2020, 22, 1397-1408.	3.8	25
17	Closely related viruses of the marine picoeukaryotic alga <i>Ostreococcus lucimarinus</i> exhibit different ecological strategies. <i>Environmental Microbiology</i> , 2019, 21, 2148-2170.	3.8	15
18	Postnovo: Postprocessing Enables Accurate and FDR-Controlled de Novo Peptide Sequencing. <i>Journal of Proteome Research</i> , 2018, 17, 3671-3680.	3.7	9

#	ARTICLE	IF	CITATIONS
19	Analogous Metabolic Decoupling in <i>Pseudomonas putida</i> and <i>Comamonas testosteroni</i> Implies Energetic Bypass to Facilitate Gluconeogenic Growth. <i>MBio</i> , 2021, 12, e0325921.	4.1	7
20	Proteomic and Isotopic Response of <i>Desulfovibrio vulgaris</i> to DsrC Perturbation. <i>Frontiers in Microbiology</i> , 2019, 10, 658.	3.5	5
21	Proteome Expression and Survival Strategies of a Proteorhodopsin-Containing <i>Vibrio</i> Strain under Carbon and Nitrogen Limitation. <i>MSystems</i> , 2022, 7, e0126321.	3.8	2
22	The cloud paradigm: Geostable molecules as proxies for surface oxygenation. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 13-13.	3.2	0