

Sheila Podell

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,464
citations

516710

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752698

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docs citations

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times ranked

2622
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenomics of 10,575 genomes reveals evolutionary proximity between domains Bacteria and Archaea. <i>Nature Communications</i> , 2019, 10, 5477.	12.8	197
2	Characterization of Cyanobacterial Hydrocarbon Composition and Distribution of Biosynthetic Pathways. <i>PLoS ONE</i> , 2014, 9, e85140.	2.5	190
3	Metagenomic discovery of polybrominated diphenyl ether biosynthesis by marine sponges. <i>Nature Chemical Biology</i> , 2017, 13, 537-543.	8.0	141
4	DarkHorse: a method for genome-wide prediction of horizontal gene transfer. <i>Genome Biology</i> , 2007, 8, R16.	9.6	137
5	Assembly-Driven Community Genomics of a Hypersaline Microbial Ecosystem. <i>PLoS ONE</i> , 2013, 8, e61692.	2.5	101
6	Seasonal fluctuations in ionic concentrations drive microbial succession in a hypersaline lake community. <i>ISME Journal</i> , 2014, 8, 979-990.	9.8	91
7	The metabolic potential of the single cell genomes obtained from the Challenger Deep, <i>Mariana Trench</i> within the candidate superphylum <i>Picrobacteria</i> (<i>OD1</i>). <i>Environmental Microbiology</i> , 2017, 19, 2769-2784.	3.8	88
8	Genome and methylome of the oleaginous diatom <i>Cyclotella cryptica</i> reveal genetic flexibility toward a high lipid phenotype. <i>Biotechnology for Biofuels</i> , 2016, 9, 258.	6.2	87
9	Comparative genomics uncovers the prolific and distinctive metabolic potential of the cyanobacterial genus <i>Moorea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3198-3203.	7.1	77
10	Pangenomic comparison of globally distributed Poribacteria associated with sponge hosts and marine particles. <i>ISME Journal</i> , 2019, 13, 468-481.	9.8	63
11	Sequencing rare marine actinomycete genomes reveals high density of unique natural product biosynthetic gene clusters. <i>Microbiology (United Kingdom)</i> , 2016, 162, 2075-2086.	1.8	61
12	Single Cells within the Puerto Rico Trench Suggest Hadal Adaptation of Microbial Lineages. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8265-8276.	3.1	43
13	A genomic view of trophic and metabolic diversity in clade-specific <i>Lamellodysidea</i> sponge microbiomes. <i>Microbiome</i> , 2020, 8, 97.	11.1	38
14	The phagosomal nutrient transporter (Pht) family. <i>Microbiology (United Kingdom)</i> , 2008, 154, 42-53.	1.8	37
15	Comparative Genomics of Cyanobacterial Symbionts Reveals Distinct, Specialized Metabolism in Tropical <i>Dysideidae</i> Sponges. <i>MBio</i> , 2019, 10, .	4.1	31
16	Multi-Omic Profiling of <i>Melophlus</i> Sponges Reveals Diverse Metabolomic and Microbiome Architectures that Are Non-overlapping with Ecological Neighbors. <i>Marine Drugs</i> , 2020, 18, 124.	4.6	21
17	Metabolic potential and <i>in situ</i> transcriptomic profiles of previously uncharacterized key microbial groups involved in coupled carbon, nitrogen and sulfur cycling in anoxic marine zones. <i>Environmental Microbiology</i> , 2018, 20, 2727-2742.	3.8	18
18	Genome of <i>Methanoregula boonei</i> 6A8 reveals adaptations to oligotrophic peatland environments. <i>Microbiology (United Kingdom)</i> , 2015, 161, 1572-1581.	1.8	17

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19	Distinctive Archaeal Composition of an Artisanal Crystallizer Pond and Functional Insights Into Salt-Saturated Hypersaline Environment Adaptation. <i>Frontiers in Microbiology</i> , 2018, 9, 1800.	3.5	14
20	Diploid genomic architecture of <i>Nitzschia inconspicua</i> , an elite biomass production diatom. <i>Scientific Reports</i> , 2021, 11, 15592.	3.3	12