

# Sarah P. Preheim

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,405  
citations

257450

24  
h-index

276875

41  
g-index

44  
all docs

44  
docs citations

44  
times ranked

4775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Population Genomics of Early Events in the Ecological Differentiation of Bacteria. <i>Science</i> , 2012, 336, 48-51.	12.6	484
2	Resource Partitioning and Sympatric Differentiation Among Closely Related Bacterioplankton. <i>Science</i> , 2008, 320, 1081-1085.	12.6	472
3	Genotypic Diversity Within a Natural Coastal Bacterioplankton Population. <i>Science</i> , 2005, 307, 1311-1313.	12.6	331
4	Non-Invasive Mapping of the Gastrointestinal Microbiota Identifies Children with Inflammatory Bowel Disease. <i>PLoS ONE</i> , 2012, 7, e39242.	2.5	252
5	Massively parallel sequencing of single cells by epicPCR links functional genes with phylogenetic markers. <i>ISME Journal</i> , 2016, 10, 427-436.	9.8	184
6	Patterns and mechanisms of genetic and phenotypic differentiation in marine microbes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 2009-2021.	4.0	176
7	Natural Bacterial Communities Serve as Quantitative Geochemical Biosensors. <i>MBio</i> , 2015, 6, e00326-15.	4.1	173
8	Distribution-Based Clustering: Using Ecology To Refine the Operational Taxonomic Unit. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6593-6603.	3.1	140
9	Adaptive radiation by waves of gene transfer leads to fine-scale resource partitioning in marine microbes. <i>Nature Communications</i> , 2016, 7, 12860.	12.8	140
10	High resolution time series reveals cohesive but short-lived communities in coastal plankton. <i>Nature Communications</i> , 2018, 9, 266.	12.8	122
11	A New Family of Giardial Cysteine-Rich Non-VSP Protein Genes and a Novel Cyst Protein. <i>PLoS ONE</i> , 2006, 1, e44.	2.5	98
12	Developmental changes in the adhesive disk during <i>Giardia</i> differentiation. <i>Molecular and Biochemical Parasitology</i> , 2005, 141, 199-207.	1.1	83
13	Metapopulation structure of <i>Vibrionaceae</i> among coastal marine invertebrates. <i>Environmental Microbiology</i> , 2011, 13, 265-275.	3.8	76
14	A Fluorescence and Surface-Enhanced Raman Spectroscopic Dual-Modal Aptasensor for Sensitive Detection of Cyanotoxins. <i>ACS Sensors</i> , 2020, 5, 1419-1426.	7.8	72
15	Protein phosphatase 2A plays a crucial role in <i>Giardia lamblia</i> differentiation. <i>Molecular and Biochemical Parasitology</i> , 2007, 152, 80-89.	1.1	59
16	Reproducibility of <i>Vibrionaceae</i> population structure in coastal bacterioplankton. <i>ISME Journal</i> , 2013, 7, 509-519.	9.8	50
17	Merging Taxonomy with Ecological Population Prediction in a Case Study of <i>Vibrionaceae</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 7195-7206.	3.1	49
18	Transcriptome analyses of the <i>Giardia lamblia</i> life cycle. <i>Molecular and Biochemical Parasitology</i> , 2010, 174, 62-65.	1.1	48

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19	Ultrasensitive Detection of Hepatotoxic Microcystin Production from Cyanobacteria Using Surface-Enhanced Raman Scattering Immunosensor. <i>ACS Sensors</i> , 2019, 4, 1203-1210.	7.8	44
20	Dynamics of microbial populations mediating biogeochemical cycling in a freshwater lake. <i>Microbiome</i> , 2018, 6, 165.	11.1	40
21	Computational Methods for High-Throughput Comparative Analyses of Natural Microbial Communities. <i>Methods in Enzymology</i> , 2013, 531, 353-370.	1.0	38
22	Surveys, simulation and single-cell assays relate function and phylogeny in a lake ecosystem. <i>Nature Microbiology</i> , 2016, 1, 16130.	13.3	33
23	Accurately quantifying low-abundant targets amid similar sequences by revealing hidden correlations in oligonucleotide microarray data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13629-13634.	7.1	32
24	Interaction dynamics and virus-host range for estuarine actinophages captured by epicPCR. <i>Nature Microbiology</i> , 2021, 6, 630-642.	13.3	29
25	O-antigen diversity and lateral transfer of the <i>wbe</i> region among <i>Vibrio splendidus</i> isolates. <i>Environmental Microbiology</i> , 2010, 12, 2977-2987.	3.8	27
26	Evolution of a Vegetarian <i>Vibrio</i> : Metabolic Specialization of <i>Vibrio breoganii</i> to Macroalgal Substrates. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	24
27	In Vitro Generation of Human High-Density-Lipoprotein-Resistant <i>Trypanosoma brucei brucei</i> . <i>Eukaryotic Cell</i> , 2006, 5, 1276-1286.	3.4	22
28	Polyphyly of non-bioluminescent <i>Vibrio fischeri</i> sharing a <i>lux</i> locus deletion. <i>Environmental Microbiology</i> , 2012, 14, 655-668.	3.8	17
29	Temporal Dynamics of In-Field Bioreactor Populations Reflect the Groundwater System and Respond Predictably to Perturbation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2879-2889.	10.0	15
30	Regulation of antigen-induced human T-lymphocyte responses by calcineurin antagonists. <i>Journal of Allergy and Clinical Immunology</i> , 1999, 104, 828-835.	2.9	12
31	Abundant and persistent sulfur-oxidizing microbial populations are responsive to hypoxia in the Chesapeake Bay. <i>Environmental Microbiology</i> , 2022, 24, 2315-2332.	3.8	10
32	Dynamics and Functional Potential of Stormwater Microorganisms Colonizing Sand Filters. <i>Water (Switzerland)</i> , 2018, 10, 1065.	2.7	9
33	Vertical transport of sediment-associated metals and cyanobacteria by ebullition in a stratified lake. <i>Biogeosciences</i> , 2020, 17, 3135-3147.	3.3	8
34	Contribution of Time, Taxonomy, and Selective Antimicrobials to Antibiotic and Multidrug Resistance in Wastewater Bacteria. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15946-15957.	10.0	7
35	Effect of Strain-Specific Biofilm Properties on the Retention of Colloids in Saturated Porous Media under Conditions of Stormwater Biofiltration. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2585-2596.	10.0	7
36	Current State of and Future Opportunities for Prediction in Microbiome Research: Report from the Mid-Atlantic Microbiome Meet-up in Baltimore on 9 January 2019. <i>MSystems</i> , 2019, 4, .	3.8	6

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37	Vertical transport of sediment-associated metals and cyanobacteria by ebullition in a stratified lake. , 2020, 17, 3135-3147.		4
38	Interferon-beta Induces Selective Enhancement of Antigen-Specific T Cell Responses. Journal of Interferon and Cytokine Research, 2000, 20, 383-389.	1.2	2
39	Correction for Marcelino <i>et al.</i> , Accurately quantifying low-abundant targets amid similar sequences by revealing hidden correlations in oligonucleotide microarray data. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20045-20045.	7.1	2
40	Bacterial community composition and functional potential associated with a variety of urban stormwater sources. Urban Ecosystems, 2021, 24, 1379.	2.4	1
41	Influence of Simplified Microbial Community Biofilms on Bacterial Retention in Porous Media under Conditions of Stormwater Biofiltration. Microbiology Spectrum, 2021, 9, e0110521.	3.0	1