

Steven M Short

List of Publications by Year in descending order

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38
papers

2,294
citations

331670

21
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogenase gene diversity and microbial community structure: a cross-system comparison. <i>Environmental Microbiology</i> , 2003, 5, 539-554.	3.8	844
2	Genetic diversity in marine algal virus communities as revealed by sequence analysis of DNA polymerase genes. <i>Applied and Environmental Microbiology</i> , 1996, 62, 2869-2874.	3.1	141
3	Sequence Analysis of Marine Virus Communities Reveals that Groups of Related Algal Viruses Are Widely Distributed in Nature. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1290-1296.	3.1	135
4	The ecology of viruses that infect eukaryotic algae. <i>Environmental Microbiology</i> , 2012, 14, 2253-2271.	3.8	110
5	Evidence for a Common Toolbox Based on Necrotrophy in a Fungal Lineage Spanning Necrotrophs, Biotrophs, Endophytes, Host Generalists and Specialists. <i>PLoS ONE</i> , 2012, 7, e29943.	2.5	88
6	Isolation and Phylogenetic Analysis of Novel Viruses Infecting the Phytoplankton <i>Phaeocystis globosa</i> (Prymnesiophyceae). <i>Applied and Environmental Microbiology</i> , 2004, 70, 3700-3705.	3.1	83
7	Fingerprinting Diazotroph Communities in the Chesapeake Bay by Using a DNA Macroarray. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1767-1776.	3.1	82
8	Spatial and Temporal Distribution of Two Diazotrophic Bacteria in the Chesapeake Bay. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2186-2192.	3.1	67
9	<i>Synechococcus</i> growth in the ocean may depend on the lysis of heterotrophic bacteria. <i>Journal of Plankton Research</i> , 2011, 33, 1465-1476.	1.8	66
10	Nitrogenase gene expression in the Chesapeake Bay Estuary. <i>Environmental Microbiology</i> , 2007, 9, 1591-1596.	3.8	64
11	The Physical Environment Affects Cyanophage Communities in British Columbia Inlets. <i>Microbial Ecology</i> , 2003, 46, 348-357.	2.8	56
12	Viruses of Eukaryotic Algae: Diversity, Methods for Detection, and Future Directions. <i>Viruses</i> , 2018, 10, 487.	3.3	56
13	Temporal dynamics of natural communities of marine algal viruses and eukaryotes. <i>Aquatic Microbial Ecology</i> , 2003, 32, 107-119.	1.8	48
14	Diversity of algal viruses in various North American freshwater environments. <i>Aquatic Microbial Ecology</i> , 2008, 51, 13-21.	1.8	43
15	Quantitative Analysis of <i>nifH</i> Genes and Transcripts from Aquatic Environments. <i>Methods in Enzymology</i> , 2005, 397, 380-394.	1.0	41
16	Genome and Environmental Activity of a <i>Chrysochromulina parva</i> Virus and Its Virophages. <i>Frontiers in Microbiology</i> , 2019, 10, 703.	3.5	41
17	Quantification of virus genes provides evidence for seed-bank populations of phycodnaviruses in Lake Ontario, Canada. <i>ISME Journal</i> , 2011, 5, 810-821.	9.8	33
18	Seasonal determinations of algal virus decay rates reveal overwintering in a temperate freshwater pond. <i>ISME Journal</i> , 2016, 10, 1602-1612.	9.8	25

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19	The use of degenerate-primed random amplification of polymorphic DNA (DP-RAPD) for strain-typing and inferring the genetic similarity among closely related viruses. <i>Journal of Virological Methods</i> , 2004, 118, 95-100.	2.1	24
20	Metagenomic Analysis of Virus Diversity and Relative Abundance in a Eutrophic Freshwater Harbour. <i>Viruses</i> , 2019, 11, 792.	3.3	24
21	Diversity of Viruses Infecting Eukaryotic Algae. <i>Current Issues in Molecular Biology</i> , 2020, 39, 29-62.	2.4	24
22	Quantitative PCR reveals transient and persistent algal viruses in Lake Ontario, Canada. <i>Environmental Microbiology</i> , 2009, 11, 2639-2648.	3.8	23
23	Environmental DNA from multiple pathogens is elevated near active Atlantic salmon farms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202010.	2.6	21
24	Complex seasonality observed amongst diverse phytoplankton viruses in the Bay of Quinte, an embayment of Lake Ontario. <i>Freshwater Biology</i> , 2013, 58, 2648-2663.	2.4	20
25	Novel phycodnavirus genes amplified from Canadian freshwater environments. <i>Aquatic Microbial Ecology</i> , 2011, 63, 61-67.	1.8	18
26	Denaturing Gradient Gel Electrophoresis Resolves Virus Sequences Amplified with Degenerate Primers. <i>BioTechniques</i> , 2000, 28, 20-26.	1.8	16
27	Contrasting Community versus Population-Based Estimates of Grazing and Virus-Induced Mortality of Phytoplankton. <i>Microbial Ecology</i> , 2012, 64, 25-38.	2.8	14
28	Physiological characterization and light response of the CO ₂ -concentrating mechanism in the filamentous cyanobacterium <i>Leptolyngbya</i> sp. CPCC 696. <i>Photosynthesis Research</i> , 2011, 109, 85-101.	2.9	13
29	Dynamic changes in community composition of <i>Scenedesmus</i> -seeded artificial, engineered microalgal biofilms. <i>Algal Research</i> , 2020, 46, 101805.	4.6	13
30	Methodological review and meta-analysis of dilution assays for estimates of virus- and grazer-mediated phytoplankton mortality. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 649-668.	2.0	11
31	Potential viral stimulation of primary production observed during experimental determinations of phytoplankton mortality. <i>Aquatic Microbial Ecology</i> , 2014, 71, 239-256.	1.8	11
32	Specific quantification of <i>Scenedesmus obliquus</i> and <i>Chlorella vulgaris</i> in mixed-species algal biofilms. <i>Bioresource Technology</i> , 2020, 295, 122251.	9.6	10
33	Analysis of Different Size Fractions Provides a More Complete Perspective of Viral Diversity in a Freshwater Embayment. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	9
34	Characterization of cyanobacterial <i>glnA</i> gene diversity and gene expression in marine environments. <i>FEMS Microbiology Ecology</i> , 2006, 55, 391-402.	2.7	8
35	DNA polymerase gene sequences indicate western and forest tent caterpillar viruses form a new taxonomic group within baculoviruses. <i>Journal of Invertebrate Pathology</i> , 2002, 81, 131-147.	3.2	5
36	Algal viruses and cyanophages have distinct distributions in Lake Erie sediments. <i>Aquatic Microbial Ecology</i> , 2018, 82, 161-175.	1.8	2

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37	The influence of wastewater pretreatment, attachment material, and inoculation strategy on the growth of target algal species in cultivated biofilms. <i>Journal of Applied Phycology</i> , 2022, 34, 113-125.	2.8	2
38	The influence of viruses on phytoplankton and bacterial productivity in Hamilton Harbour, an impaired embayment of Lake Ontario. <i>Journal of Great Lakes Research</i> , 2017, 43, 1055-1066.	1.9	1