Stuart E Jones

List of Publications by Year
in descending order

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89 papers	10,034 citations	87723 38 h-index	58464 82 g-index
91 all docs	91 docs citations	91 times ranked	12408 citing authors

#	Article	IF	Citations
1	Microbial seed banks: the ecological and evolutionary implications of dormancy. Nature Reviews Microbiology, 2011, 9, 119-130.	13.6	1,365
2	A Guide to the Natural History of Freshwater Lake Bacteria. Microbiology and Molecular Biology Reviews, 2011, 75, 14-49.	2.9	1,356
3	Consistent responses of soil microbial communities to elevated nutrient inputs in grasslands across the globe. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10967-10972.	3.3	1,023
4	Dormancy contributes to the maintenance of microbial diversity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5881-5886.	3.3	732
5	Microbiomes in light of traits: A phylogenetic perspective. Science, 2015, 350, aac9323.	6.0	652
6	Conditionally Rare Taxa Disproportionately Contribute to Temporal Changes in Microbial Diversity. MBio, 2014, 5, e01371-14.	1.8	549
7	Ecosystem Consequences of Changing Inputs of Terrestrial Dissolved Organic Matter to Lakes: Current Knowledge and Future Challenges. Ecosystems, 2015, 18, 376-389.	1.6	382
8	Particle size distribution and optimal capture of aqueous macrobial <scp>eDNA</scp>. Methods in Ecology and Evolution, 2014, 5, 676-684.	2.2	361
9	Phylogenetic Ecology of the Freshwater Actinobacteria acI Lineage. Applied and Environmental Microbiology, 2007, 73, 7169-7176.	1.4	195
10	Resuscitation of the rare biosphere contributes to pulses of ecosystem activity. Frontiers in Microbiology, 2015, 6, 24.	1.5	174
11	Understanding how microbiomes influence the systems they inhabit. Nature Microbiology, 2018, 3, 977-982.	5.9	169
12	Interannual dynamics and phenology of bacterial communities in a eutrophic lake. Limnology and Oceanography, 2007, 52, 487-494.	1.6	167
13	Effects of algal and terrestrial carbon on methane production rates and methanogen community structure in a temperate lake sediment. Freshwater Biology, 2012, 57, 949-955.	1.2	148
14	Effects of weatherâ€related episodic events in lakes: an analysis based on highâ€frequency data. Freshwater Biology, 2012, 57, 589-601.	1.2	135
15	Productivity and depth regulate lake contributions to atmospheric methane. Limnology and Oceanography, 2016, 61, S51.	1.6	129
16	Evidence for structuring of bacterial community composition by organic carbon source in temperate lakes. Environmental Microbiology, 2009, 11, 2463-2472.	1.8	123
17	Sensitivity of soil respiration and microbial communities to altered snowfall. Soil Biology and Biochemistry, 2013, 57, 217-227.	4.2	121
18	The influence of habitat heterogeneity on freshwater bacterial community composition and dynamics. Environmental Microbiology, 2008, 10, 1057-1067.	1.8	120

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19	Terrestrial carbon is a resource, but not a subsidy, for lake zooplankton. Ecology, 2014, 95, 1236-1242.	1.5	108
20	Stoichiometry of carbon, nitrogen, and phosphorus through the freshwater pipe. Limnology and Oceanography Letters, 2018, 3, 89-101.	1.6	98
21	Molecular mechanisms of ionic liquid cytotoxicity probed by an integrated experimental and computational approach. Scientific Reports, 2016, 6, 19889.	1.6	93
22	Terrestrial support of lake food webs: Synthesis reveals controls over cross-ecosystem resource use. Science Advances, 2017, 3, e1601765.	4.7	92
23	Speciesâ€sorting may explain an apparent minimal effect of immigration on freshwater bacterial community dynamics. Environmental Microbiology, 2009, 11, 905-913.	1.8	82
24	Subsidy or Subtraction: How Do Terrestrial Inputs Influence Consumer Production in Lakes?. Freshwater Reviews: A Journal of the Freshwater Biological Association, 2012, 5, 37.	1.0	75
25	Spatial and temporal scales of aquatic bacterial beta diversity. Frontiers in Microbiology, 2012, 3, 318.	1.5	74
26	Typhoons initiate predictable change in aquatic bacterial communities. Limnology and Oceanography, 2008, 53, 1319-1326.	1.6	73
27	Hiding in Plain Sight: Mining Bacterial Species Records for Phenotypic Trait Information. MSphere, 2017, 2, .	1.3	69
28	Climate-mediated hybrid zone movement revealed with genomics, museum collection, and simulation modeling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2284-E2291.	3.3	60
29	Comparison of Primer Sets for Use in Automated Ribosomal Intergenic Spacer Analysis of Aquatic Bacterial Communities: an Ecological Perspective. Applied and Environmental Microbiology, 2007, 73, 659-662.	1.4	56
30	A Framework for Understanding Variation in Pelagic Gross Primary Production of Lake Ecosystems. Ecosystems, 2018, 21, 1364-1376.	1.6	56
31	Regulators of coastal wetland methane production and responses to simulated global change. Biogeosciences, 2017, 14, 431-446.	1.3	54
32	Habitat, not resource availability, limits consumer production in lake ecosystems. Limnology and Oceanography, 2015, 60, 2079-2089.	1.6	49
33	Dormancy dampens the microbial distanceâ€“decay relationship. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190243.	1.8	49
34	Metabolic and physiochemical responses to a whole-lake experimental increase in dissolved organic carbon in a north-temperate lake. Limnology and Oceanography, 2016, 61, 723-734.	1.6	48
35	TheÂInfluence of HydrologicÂResidenceÂTime on Lake Carbon Cycling Dynamics Following Extreme Precipitation Events. Ecosystems, 2017, 20, 1000-1014.	1.6	46
36	Experimental manipulations of microbial food web interactions in a humic lake: shifting biological drivers of bacterial community structure. Environmental Microbiology, 2006, 8, 1448-1459.	1.8	44

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37	Phytoplankton traits predict ecosystem function in a global set of lakes. Ecology, 2015, 96, 2257-2264.	1.5	44
38	Spatial heterogeneity of withinâ€stream methane concentrations. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1036-1048.	1.3	41
39	Potential for atmospheric deposition of bacteria to influence bacterioplankton communities. FEMS Microbiology Ecology, 2008, 64, 388-394.	1.3	40
40	How sample heterogeneity can obscure the signal of microbial interactions. ISME Journal, 2019, 13, 2639-2646.	4.4	39
41	Microbial population dynamics and evolutionary outcomes under extreme energy limitation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	38
42	Experimental wholeâ€lake increase of dissolved organic carbon concentration produces unexpected increase in crustacean zooplankton density. Global Change Biology, 2016, 22, 2766-2775.	4.2	37
43	A Source of Terrestrial Organic Carbon to Investigate the Browning of Aquatic Ecosystems. PLoS ONE, 2013, 8, e75771.	1.1	36
44	Phytoplankton lipid content influences freshwater lake methanogenesis. Freshwater Biology, 2015, 60, 2261-2269.	1.2	33
45	Ionic liquid biodegradability depends on specific wastewater microbial consortia. Chemosphere, 2015, 136, 160-166.	4.2	33
46	The Regenerating Adult Zebrafish Retina Recapitulates Developmental Fate Specification Programs. Frontiers in Cell and Developmental Biology, 2020, 8, 617923.	1.8	32
47	Freshwater bacterial lifestyles inferred from comparative genomics. Environmental Microbiology, 2014, 16, 746-758.	1.8	31
48	A test of the subsidyâ€“stability hypothesis: the effects of terrestrial carbon in aquatic ecosystems. Ecology, 2015, 96, 1550-1560.	1.5	31
49	Dissolved organic carbon concentration controls benthic primary production: Results from in situ chambers in north-temperate lakes. Limnology and Oceanography, 2014, 59, 2112-2120.	1.6	30
50	Direct and Terrestrial Vegetation-mediated Effects of Environmental Change on Aquatic Ecosystem Processes. BioScience, 2010, 60, 590-601.	2.2	29
51	Negative frequencyâ€dependent growth underlies the stable coexistence of two cosmopolitan aquatic plants. Ecology, 2019, 100, e02657.	1.5	26
52	Experimental demonstration of catch hyperstability from habitat aggregation, not effort sorting, in a recreational fishery. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 762-769.	0.7	26
53	Species sorting along a subsidy gradient alters bacterial community stability. Ecology, 2016, 97, 2034-2043.	1.5	25
54	Hydrologic setting constrains lake heterotrophy and terrestrial carbon fate. Limnology and Oceanography Letters, 2018, 3, 256-264.	1.6	25

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55	Influence of typhoons on annual CO₂ flux from a subtropical, humic lake. Global Change Biology, 2009, 15, 243-254.	4.2	23
56	Localâ€“global overlap in diversity informs mechanisms of bacterial biogeography. ISME Journal, 2015, 9, 2413-2422.	4.4	23
57	Light climate and dissolved organic carbon concentration influence species-specific changes in fish zooplanktivory. Inland Waters, 2017, 7, 210-217.	1.1	23
58	Coexistence barriers confine the poleward range of a globally distributed plant. Ecology Letters, 2020, 23, 1838-1848.	3.0	23
59	Shifting limitation of primary production: experimental support for a new model in lake ecosystems. Ecology Letters, 2020, 23, 1800-1808.	3.0	23
60	Frontiers in modelling socialâ€“ecological dynamics of recreational fisheries: A review and synthesis. Fish and Fisheries, 2020, 21, 973-991.	2.7	22
61	Life history constraints explain negative relationship between fish productivity and dissolved organic carbon in lakes. Ecology and Evolution, 2017, 7, 6201-6209.	0.8	21
62	Organic matter supply and bacterial community composition predict methanogenesis rates in temperate lake sediments. Limnology and Oceanography Letters, 2019, 4, 164-172.	1.6	20
63	Landscape patterns shape wetland pond ecosystem function from glacial headwaters to ocean. Limnology and Oceanography, 2017, 62, S207.	1.6	14
64	Estimating fishing effort across the landscape: A spatially extensive approach using models to integrate multiple data sources. Fisheries Research, 2021, 233, 105768.	0.9	14
65	Experimental whole-lake dissolved organic carbon increase alters fish diet and density but not growth or productivity. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 1859-1867.	0.7	13
66	Seasonal evaluation of biotic and abiotic factors suggests phosphorus retention in constructed floodplains in three agricultural streams. Science of the Total Environment, 2020, 729, 138744.	3.9	12
67	Socialâ€ecological outcomes in recreational fisheries: the interaction of lakeshore development and stocking. Ecological Applications, 2017, 27, 56-65.	1.8	10
68	Integrated, Regionalâ€Scale Hydrologic Modeling of Inland Lakes. Journal of the American Water Resources Association, 2018, 54, 1302-1324.	1.0	9
69	Modelâ€Data Fusion to Test Hypothesized Drivers of Lake Carbon Cycling Reveals Importance of Physical Controls. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1130-1142.	1.3	8
70	Nitrate amendment reduces biofilm biomass and shifts microbial communities in remote, oligotrophic ponds. Freshwater Science, 2018, 37, 251-263.	0.9	7
71	Mapping genomic features to functional traits through microbial whole genome sequences. International Journal of Bioinformatics Research and Applications, 2014, 10, 461.	0.1	6
72	Coarse woody habitat does not predict largemouth bass young of year mortality during the open-water season. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 998-1005.	0.7	6

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73	Hydrologic Setting Dictates the Sensitivity of Ecosystem Metabolism to Climate Variability in Lakes. Ecosystems, 2022, 25, 1328-1345.	1.6	5
74	Projected changes of regional lake hydrologic characteristics in response to 21st century climate change. Inland Waters, 2021, 11, 335-350.	1.1	4
75	Local Stakeholders Understand Recreational Fisheries as Social-Ecological Systems but Do Not View Governance Systems as Influential for System Dynamics. International Journal of the Commons, 2019, 13, 1035-1048.	0.6	4
76	A machine learning framework for trait based genomics. , 2012, , .		3
77	Improving estimates and forecasts of lake carbon dynamics using data assimilation. Limnology and Oceanography: Methods, 2019, 17, 97-111.	1.0	3
78	Pond methane dynamics, from microbial communities to ecosystem budget, during summer in Alaska. Limnology and Oceanography, 2022, 67, 450-467.	1.6	3
79	Concentration and biochemical gradients of seston in Lake Ontario. Journal of Great Lakes Research, 2017, 43, 795-803.	0.8	2
80	A Terrestrialâ€Aquatic Model Reveals Crossâ€Scale Interactions Regulate Lateral Dissolved Organic Carbon Transport From Terrestrial Ecosystems. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	2
81	Microbial community composition, and not <scp>pH</scp> , influences lake sediment function. Ecosphere, 2022, 13, .	1.0	2
82	Spatial synchrony in microbial community dynamics: testing among-year and lake patterns. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2009, 30, 936-940.	0.1	1
83	A computational framework for integrative analysis of large microbial genomics data. , 2015, , .		1
84	Investing in the commons: transient welfare creates incentives despite open access. Ecology and Society, 2021, 26, .	1.0	1
85	Benthicâ€“limnetic morphological variation in fishes: Dissolved organic carbon concentration produces unexpected patterns. Ecosphere, 2022, 13, .	1.0	1
86	The University of Notre Dame Environmental Research Center (UNDERC): Sixtyâ€Five Years of Wholeâ€Ecosystem Manipulations and Counting. Limnology and Oceanography Bulletin, 2017, 26, 38-40.	0.2	0
87	Methane Cycling Contributes to Distinct Patterns in Carbon Stable Isotopes of Wetland Detritus. Wetlands, 2019, 39, 361-370.	0.7	0
88	Hydrologic Setting Affects Ecosystem Processes. , 2021, , .		0
89	Lake Sediment Methane Responses to Organic Matter are Related to Microbial Community Composition in Experimental Microcosms. Frontiers in Environmental Science, 2022, 10, .	1.5	0