Stephen M Bollens

List of Publications by Year
in descending order

46 papers	1,420 citations	394421 19 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	1373 citing authors

#	Article	IF	Citations
1	Toward a more comprehensive theory of zooplankton diel vertical migration: Integrating ultraviolet radiation and water transparency into the biotic paradigm. Limnology and Oceanography, 2011, 56, 1603-1623.	3.1	170
2	Zooplanktivorous fish and variable diel vertical migration in the marine planktonic copepod Calanus pacificus. Limnology and Oceanography, 1989, 34, 1072-1083.	3.1	139
3	The trouble with stress: A flexible method for the evaluation of nonmetric multidimensional scaling. Limnology and Oceanography: Methods, 2018, 16, 434-443.	2.0	98
4	Zooplankton invasions: a brief review, plus two case studies from the northeast Pacific Ocean. Hydrobiologia, 2002, 480, 87-110.	2.0	84
5	Diel vertical migration in zooplankton: field evidence in support of the predator avoidance hypothesis. Hydrobiologia, 1992, 234, 33-39.	2.0	70
6	Environmental influence on cyanobacteria abundance and microcystin toxin production in a shallow temperate lake. Ecotoxicology and Environmental Safety, 2015, 114, 318-325.	6.0	66
7	Asian copepods on the move: recent invasions in the Columbiaâ€“Snake River system, USA. ICES Journal of Marine Science, 2008, 65, 753-758.	2.5	65
8	Cascading migrations and implications for vertical fluxes in pelagic ecosystems. Journal of Plankton Research, 2011, 33, 349-355.	1.8	57
9	The effect of ultraviolet radiation on the vertical distribution and mortality of estuarine zooplankton. Journal of Plankton Research, 2000, 22, 2325-2350.	1.8	54
10	Feeding dynamics of the copepod Diacyclops thomasi before, during and following filamentous cyanobacteria blooms in a large, shallow temperate lake. Hydrobiologia, 2013, 705, 101-118.	2.0	48
11	The influence of water quality variables on cyanobacterial blooms and phytoplankton community composition in a shallow temperate lake. Environmental Monitoring and Assessment, 2015, 187, 315.	2.7	43
12	Vertical distributions and susceptibilities to vertebrate predation of the marine copepods Metridia lucens and Calanus pacificus. Limnology and Oceanography, 1993, 38, 1827-1837.	3.1	41
13	Invasive copepods in the Lower Columbia River Estuary: Seasonal abundance, co-occurrence and potential competition with native copepods. Aquatic Invasions, 2012, 7, 101-109.	1.6	40
14	Relevant scales in zooplankton ecology: Distribution, feeding, and reproduction of the copepod Acartia hudsonica in response to thin layers of the diatom Skeletonema costatum. Limnology and Oceanography, 2004, 49, 625-636.	3.1	38
15	Mesozooplankton of the lower San Francisco Estuary: spatio-temporal patterns, ENSO effects and the prevalence of non-indigenous species. Journal of Plankton Research, 2011, 33, 1358-1377.	1.8	32
16	Persistent vs. ephemeral invasions: 8.5 years of zooplankton community dynamics in the Columbia River. Limnology and Oceanography, 2015, 60, 527-539.	3.1	27
17	Seasonal dynamics of zooplankton in Columbiaâ€“Snake River reservoirs, with special emphasis on the invasive copepod Pseudodiaptomus forbesi. Aquatic Invasions, 2015, 10, 25-40.	1.6	26
18	Selenium in San Francisco Bay zooplankton: Potential effects of hydrodynamics and food web interactions. Estuaries and Coasts, 2003, 26, 956-969.	1.7	25

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19	Feeding rates and prey selection of the invasive Asian clam, Corbicula fluminea, on microplankton in the Columbia River, USA. Hydrobiologia, 2019, 833, 107-123.	2.0	24
20	Zooplankton invasions in the early 21st century: a global survey of recent studies and recommendations for future research. Hydrobiologia, 2020, 847, 309-319.	2.0	20
21	Interactive effects of phosphorus and zooplankton grazing on cyanobacterial blooms in a shallow temperate lake. Hydrobiologia, 2017, 788, 345-359.	2.0	19
22	Deep-sea amphipod swarms. Nature, 1992, 358, 25-26.	27.8	18
23	Veligers of the invasive Asian clam Corbicula fluminea in the Columbia River Basin: Broadscale distribution, abundance, and ecological associations. Lake and Reservoir Management, 2017, 33, 234-248.	1.3	18
24	Beyond Eutrophication: Vancouver Lake, WA, USA as a Model System for Assessing Multiple, Interacting Biotic and Abiotic Drivers of Harmful Cyanobacterial Blooms. Water (Switzerland), 2018, 10, 757.	2.7	17
25	Macrozooplankton and micronekton of the lower San Francisco estuary: Seasonal, interannual, and regional variation in relation to environmental conditions. Estuaries and Coasts, 2005, 28, 473-485.	1.7	16
26	Macrozooplankton Community Dynamics in Relation to Environmental Variables in Willapa Bay, Washington, USA. Estuaries and Coasts, 2010, 33, 182-194.	2.2	14
27	Zooplankton invasion on a grand scale: insights from a 20â€yr time series across 38 Northeast Pacific estuaries. Ecosphere, 2020, 11, e03040.	2.2	14
28	Non-native freshwater cladoceran Bosmina coregoni (Baird, 1857) established on the Pacific coast of North America. BioInvasions Records, 2013, 2, 281-286.	1.1	14
29	The effects of eutrophication and invasive species on zooplankton community dynamics in a shallow temperate lake. Fundamental and Applied Limnology, 2016, 188, 215-231.	0.7	12
30	Seasonal and longitudinal variability of zooplankton assemblages along a river-dominated estuarine gradient. Estuarine, Coastal and Shelf Science, 2020, 245, 106980.	2.1	12
31	Modelling physico-chemical factors affecting occurrences of a non-indigenous planktonic copepod in northeast Pacific estuaries. Biological Invasions, 2010, 12, 1427-1445.	2.4	11
32	Early detection monitoring for larval dreissenid mussels: how much plankton sampling is enough?. Environmental Monitoring and Assessment, 2017, 189, 98.	2.7	11
33	A genetic reconstruction of the invasion of the calanoid copepod Pseudodiaptomus inopinus across the North American Pacific Coast. Biological Invasions, 2018, 20, 1577-1595.	2.4	11
34	Predation on the Invasive Copepod, Pseudodiaptomus forbesi, and Native Zooplankton in the Lower Columbia River: An Experimental Approach to Quantify Differences in Prey-Specific Feeding Rates. PLoS ONE, 2015, 10, e0144095.	2.5	9
35	Modeling the trophic impacts of invasive zooplankton in a highly invaded river. PLoS ONE, 2020, 15, e0243002.	2.5	8
36	Native and invasive zooplankton show differing responses to decadalâ€scale increases in maximum temperatures in a large temperate river. Limnology and Oceanography Letters, 2020, 5, 403-409.	3.9	7

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37	The effects of runâ€ofâ€river dam spill on Columbia River microplankton. River Research and Applications, 2019, 35, 1478-1488.	1.7	6
38	Biotic vs. abiotic forcing on plankton assemblages varies with season and size class in a large temperate estuary. Journal of Plankton Research, 2020, 42, 221-237.	1.8	6
39	Variability in the vertical distribution of chlorophyll in a spill-managed temperate reservoir. Lake and Reservoir Management, 2019, 35, 119-126.	1.3	5
40	Temperature-dependent functional response of the invasive Asian clam, Corbicula fluminea, feeding on natural phytoplankton. Inland Waters, 2021, 11, 250-256.	2.2	5
41	Nutrient Control of Phytoplankton Abundance and Biomass, and Microplankton Assemblage Structure in the Lower Columbia River (Vancouver, Washington, USA). Water (Switzerland), 2022, 14, 1599.	2.7	5
42	Diverse taxa of zooplankton inhabit hypoxic waters during both day and night in a temperate eutrophic lake. Journal of Plankton Research, 2019, 41, 431-447.	1.8	4
43	Effects of Grazing and Nutrients on Phytoplankton Blooms and Microplankton Assemblage Structure in Four Temperate Lakes Spanning a Eutrophication Gradient. Water (Switzerland), 2021, 13, 1085.	2.7	4
44	Engaging High School Students as Collaborators in Ecological Investigation of the Columbia River Estuary: Lessons from a Transdisciplinary Universityâ€“High School Partnership. Limnology and Oceanography Bulletin, 2019, 28, 45-51.	0.4	3
45	Calcium concentrations in the lower Columbia River, USA , are generally sufficient to support invasive bivalve spread. River Research and Applications, 2021, 37, 889-894.	1.7	3
46	An experimental evaluation of the efficacy of imaging flow cytometry (FlowCam) for detecting invasive Dreissened and Corbiculid bivalve veligers. Lake and Reservoir Management, 2021, 37, 406-417.	1.3	1