

Joann M Burkholder

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55
papers

5,025
citations

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h-index

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g-index

55
ext. papers

5,707
ext. citations

4.8
avg, IF

5.43
L-index

#	Paper	IF	Citations
55	Harmful algal blooms and eutrophication: Nutrient sources, composition, and consequences. <i>Estuaries and Coasts</i> , 2002 , 25, 704-726		1726
54	New 'phantom' dinoflagellate is the causative agent of major estuarine fish kills. <i>Nature</i> , 1992 , 358, 407-410	10.4	314
53	Pluses and minuses of ammonium and nitrate uptake and assimilation by phytoplankton and implications for productivity and community composition, with emphasis on nitrogen-enriched conditions. <i>Limnology and Oceanography</i> , 2016 , 61, 165-197	4.8	298
52	Pfiesteria piscicida and other Pfiesteria-like dinoflagellates: Behavior, impacts, and environmental controls. <i>Limnology and Oceanography</i> , 1997 , 42, 1052-1075	4.8	242
51	The dual role of nitrogen supply in controlling the growth and toxicity of cyanobacterial blooms. <i>Harmful Algae</i> , 2016 , 54, 87-97	5.3	208
50	Development of real-time PCR assays for rapid detection of Pfiesteria piscicida and related dinoflagellates. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 4641-8	4.8	200
49	Defining Planktonic Protist Functional Groups on Mechanisms for Energy and Nutrient Acquisition: Incorporation of Diverse Mixotrophic Strategies. <i>Protist</i> , 2016 , 167, 106-20	2.5	179
48	PFIESTERIA PISCICIDA GEN. ET SP. NOV. (PFIESTERIACEAE FAM. NOV.), A NEW TOXIC DINOFLAGELLATE WITH A COMPLEX LIFE CYCLE AND BEHAVIOR1. <i>Journal of Phycology</i> , 1996 , 32, 157-164	16.4	153
47	Insidious effects of a toxic estuarine dinoflagellate on fish survival and human health. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1995 , 46, 501-22	3.2	132
46	Ecological Stoichiometry, Biogeochemical Cycling, Invasive Species, and Aquatic Food Webs: San Francisco Estuary and Comparative Systems. <i>Reviews in Fisheries Science</i> , 2011 , 19, 358-417		109
45	IMPLICATIONS OF HARMFUL MICROALGAE AND HETEROTROPHIC DINOFLAGELLATES IN MANAGEMENT OF SUSTAINABLE MARINE FISHERIES 1998 , 8, S37-S62		108
44	Overview and present status of the toxic Pfiesteria complex (Dinophyceae). <i>Phycologia</i> , 2001 , 40, 186-214	14.7	107
43	Comprehensive trend analysis of nutrients and related variables in a large eutrophic estuary: A decadal study of anthropogenic and climatic influences. <i>Limnology and Oceanography</i> , 2006 , 51, 463-487	4.8	100
42	KLEPTOPLASTIDY IN THE TOXIC DINOFLAGELLATE PFIESTERIA PISCICIDA (DINOPHYCEAE). <i>Journal of Phycology</i> , 1999 , 35, 303-312	3	99
41	Harmful algal blooms and eutrophication: Strategies for nutrient uptake and growth outside the Redfield comfort zone. <i>Chinese Journal of Oceanology and Limnology</i> , 2011 , 29, 724-738		96
40	Comparative impacts of two major hurricane seasons on the Neuse River and western Pamlico Sound ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9291-6	11.5	88
39	WATER QUALITY TRENDS AND MANAGEMENT IMPLICATIONS FROM A FIVE-YEAR STUDY OF A EUTROPHIC ESTUARY 2000 , 10, 1024-1046		59

38	MIXOTROPHY AND NITROGEN UPTAKE BY PFIESTERIA PISCICIDA (DINOPHYCEAE). <i>Journal of Phycology</i> , 1999 , 35, 1430-1437	3	56
37	Discovery of the Bphantom dinoflagellate in Chesapeake Bay. <i>Estuaries and Coasts</i> , 1995 , 18, 373		55
36	Long-term effects of changing land use practices on surface water quality in a coastal river and lagoonal estuary. <i>Environmental Management</i> , 2009 , 44, 505-23	3.1	54
35	Trophic controls on stage transformations of a toxic ambush-predator dinoflagellate. <i>Journal of Eukaryotic Microbiology</i> , 1997 , 44, 200-5	3.6	51
34	Comparative Effects of Poultry and Swine Waste Lagoon Spills on the Quality of Receiving Streamwaters. <i>Journal of Environmental Quality</i> , 1997 , 26, 1622-1631	3.4	50
33	Variations in eelgrass (<i>Zostera marina</i> L.) morphology and internal nutrient composition as influenced by increased temperature and water column nitrate. <i>Estuaries and Coasts</i> , 2003 , 26, 142-155		47
32	Type of suspended clay influences lake productivity and phytoplankton community response to phosphorus loading. <i>Limnology and Oceanography</i> , 1990 , 35, 830-839	4.8	41
31	Use of long-term data and multivariate ordination techniques to identify environmental factors governing estuarine phytoplankton species dynamics. <i>Limnology and Oceanography</i> , 2009 , 54, 2107-2127	4.8	35
30	THE SEXUAL LIFE CYCLES OF PFIESTERIA PISCICIDA AND CRYPTOPERIDINIOPSIDS (DINOPHYCEAE)1. <i>Journal of Phycology</i> , 2004 , 40, 664-673	3	33
29	ESTUARINE HETEROTROPHIC CRYPTOPERIDINIOPSIDS (DINOPHYCEAE): LIFE CYCLE AND CULTURE STUDIES1. <i>Journal of Phycology</i> , 2003 , 39, 678-696	3	31
28	Phytoplankton and episodic suspended sediment loading: Phosphate partitioning and mechanisms for survival. <i>Limnology and Oceanography</i> , 1992 , 37, 974-988	4.8	31
27	RESPONSE OF PERIPHYTON COMMUNITIES TO CLAY AND PHOSPHATE LOADING IN A SHALLOW RESERVOIR1. <i>Journal of Phycology</i> , 1991 , 27, 373-384	3	30
26	REPRODUCTION AND SEXUALITY IN PFIESTERIA SHUMWAYAE (DINOPHYCEAE)1. <i>Journal of Phycology</i> , 2003 , 39, 697-711	3	28
25	Bivalve Shellfish Aquaculture and Eutrophication 2011 , 155-215		27
24	Sampling bias misrepresents the biogeographical significance of constitutive mixotrophs across global oceans. <i>Global Ecology and Biogeography</i> , 2019 , 28, 418-428	6.1	26
23	RESPONSE OF MICROALGAL EPIPHYTE COMMUNITIES TO NITRATE ENRICHMENT IN AN EELGRASS (ZOSTERA MARINA) MEADOW1. <i>Journal of Phycology</i> , 1995 , 31, 36-43	3	26
22	Contributions of Benthic Microalgae to Coastal Fishery Yield. <i>Transactions of the American Fisheries Society</i> , 1992 , 121, 691-695	1.7	21
21	THE LIFE CYCLE AND TOXICITY OF PFIESTERIA PISCICIDA REVISITED1. <i>Journal of Phycology</i> , 2002 , 38, 1261-1267	3	20

20	Pfiesteria shumwayae (Pfiesteriaceae) in New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2002 , 36, 621-630	1.3	20
19	pH-induced flocculation, indirect electrocoagulation, and hollow fiber filtration techniques for harvesting the saltwater microalga <i>Dunaliella</i> . <i>Journal of Applied Phycology</i> , 2014 , 26, 1701-1709	3.2	17
18	Eutrophication and cyanobacteria blooms in run-of-river impoundments in North Carolina, U.S.A.. <i>Lake and Reservoir Management</i> , 2007 , 23, 179-192	1.3	14
17	Low abundance of the dinoflagellates, <i>Pfiesteria piscicida</i> , <i>P. shumwayae</i> , and <i>Cryptoperidiniopsis</i> spp., in South Carolina tidal creeks and open estuaries. <i>Estuaries and Coasts</i> , 2002 , 25, 586-597		13
16	ASI: <i>Dunaliella</i> marine microalgae to drop-in replacement liquid transportation fuel. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 32, 916-925	2.5	11
15	<i>Odorella benthonica</i> gen. & sp. nov. (Pleurocapsales, Cyanobacteria): an odor and prolific toxin producer isolated from a California aqueduct. <i>Journal of Phycology</i> , 2019 , 55, 509-520	3	10
14	Harmful Macroalgal Blooms in a Changing World: Causes, Impacts, and Management 2018 , 515-560		9
13	Food Web and Ecosystem Impacts of Harmful Algae 2018 , 243-336		9
12	Assessment of atrazine toxicity to the estuarine phytoplankter, <i>Dunaliella tertiolecta</i> (Chlorophyta), under varying nutrient conditions. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 11409-11423	5.1	8
11	Environmental stressors and lipid production by <i>Dunaliella</i> spp. I. Salinity. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017 , 487, 18-32	2.1	7
10	Causes of Harmful Algal Blooms 2018 , 1-38		6
9	Imbalanced nutrient regimes increase <i>Prymnesium parvum</i> resilience to herbicide exposure. <i>Harmful Algae</i> , 2018 , 75, 57-74	5.3	6
8	<i>Chattonella subsalsa</i> (Raphidophyceae) growth and hemolytic activity in response to agriculturally-derived estuarine contaminants. <i>Harmful Algae</i> , 2018 , 76, 66-79	5.3	5
7	AXENIC CULTIVATION OF THE HETEROTROPHIC DINOFLAGELLATE PFIESTERIA SHUMWAYAE AND OBSERVATIONS ON FEEDING BEHAVIOR(1). <i>Journal of Phycology</i> , 2008 , 44, 1614-24	3	4
6	Re-evaluation of the Relationship between <i>Pfiesteria</i> and Estuarine Fish Kills. <i>Ecosystems</i> , 2003 , 6, 0001-0010	9.0	3
5	Harmful Algal Species Fact Sheet: Cyanobacteria 2018 , 591-596		1
4	Harmful Algal Species Fact Sheet: <i>Prorocentrum</i> 2018 , 625-628		1
3	Classic indicators and diel dissolved oxygen vs. trend analysis in assessing eutrophication of potable-water reservoirs.. <i>Ecological Applications</i> , 2022 , e2541	4.9	1

- 2 Diversity of bioactive compound content across 71 genera of marine, freshwater, and terrestrial cyanobacteria. *Harmful Algae*, **2021**, 109, 102116 53 0
- 1 Harmful Algal Species Fact Sheet: *Pfiesteria piscicida* Steidinger & Burkholder and *Pfiesteria shumwayae* Glasgow & Burkholder **2018**, 621-624