Kathryn L Cottingham

List of Publications by Year
in descending order

109 papers	8,721 citations	66343 42 h-index	46799 89 g-index
112 all docs	112 docs citations	112 times ranked	10797 citing authors

#	Article	IF	Citations
1	Dietary Exposure to Essential and Non-essential Elements During Infantsâ€™ First Year of Life in the New Hampshire Birth Cohort Study. Exposure and Health, 2023, 15, 269-279.	4.9	1
2	The long and the short of it: Mechanisms of synchronous and compensatory dynamics across temporal scales. Ecology, 2022, 103, e3650.	3.2	18
3	Current water quality guidelines across North America and Europe do not protect lakes from salinization. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	49
4	Using nearâ€term forecasts and uncertainty partitioning to inform prediction of oligotrophic lake cyanobacterial density. Ecological Applications, 2022, 32, e2590.	3.8	6
5	Infant infections, respiratory symptoms, and allergy in relation to timing of rice cereal introduction in a United States cohort. Scientific Reports, 2022, 12, 4450.	3.3	5
6	Benthic cyanobacteria of the genus Nostoc are a source of microcystins in Greenlandic lakes and ponds. Freshwater Biology, 2021, 66, 266-277.	2.4	3
7	Remote Sensing of Lake Water Clarity: Performance and Transferability of Both Historical Algorithms and Machine Learning. Remote Sensing, 2021, 13, 1434.	4.0	14
8	Microcystins in planktonic and benthic food web components from Greenlandic lakes. Ecosphere, 2021, 12, e03539.	2.2	1
9	Species relationships in the extremes and their influence on community stability. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200343.	4.0	4
10	The spatial synchrony of species richness and its relationship to ecosystem stability. Ecology, 2021, 102, e03486.	3.2	15
11	Predicting the effects of climate change on freshwater cyanobacterial blooms requires consideration of the complete cyanobacterial life cycle. Journal of Plankton Research, 2021, 43, 10-19.	1.8	16
12	Relation between in utero arsenic exposure and growth during the first year of life in a New Hampshire pregnancy cohort. Environmental Research, 2020, 180, 108604.	7.5	10
13	Arsenic Exposure in Relation to Apple Consumption Among Infants in the New Hampshire Birth Cohort Study. Exposure and Health, 2020, 12, 561-567.	4.9	8
14	Differential Responses of Maximum Versus Median Chlorophyllâ€<i>a</i> to Air Temperature and Nutrient Loads in an Oligotrophic Lake Over 31Â Years. Water Resources Research, 2020, 56, e2020WR027296.	4.2	24
15	A new variance ratio metric to detect the timescale of compensatory dynamics. Ecosphere, 2020, 11, e03114.	2.2	14
16	â€œNewâ€•cyanobacterial blooms are not new: two centuries of lake production are related to ice cover and land use. Ecosphere, 2020, 11, e03170.	2.2	15
17	Factors affecting MeHg bioaccumulation in stream biota: the role of dissolved organic carbon and diet. Ecotoxicology, 2019, 28, 949-963.	2.4	18
18	No detectable changes in crayfish behavior due to sublethal dietary mercury exposure. Ecotoxicology and Environmental Safety, 2019, 182, 109440.	6.0	0

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19	Potential Exposure to Arsenic from Infant Rice Cereal. Annals of Global Health, 2018, 82, 221.	2.0	21
20	Opportunities and Challenges for Dietary Arsenic Intervention. Environmental Health Perspectives, 2018, 126, 84503.	6.0	32
21	Catabolism of mucus components influences motility of Vibrio cholerae in the presence of environmental reservoirs. PLoS ONE, 2018, 13, e0201383.	2.5	28
22	Prenatal lead exposure and elevated blood pressure in children. Environment International, 2018, 121, 1289-1296.	10.0	42
23	Infantsâ€™ dietary arsenic exposure during transition to solid food. Scientific Reports, 2018, 8, 7114.	3.3	33
24	Sex-specific associations of infantsâ€™ gut microbiome with arsenic exposure in a US population. Scientific Reports, 2018, 8, 12627.	3.3	47
25	Advancing Ecosystem Science by Promoting Greater Use of Theory and Multiple Research Approaches in Graduate Education. Ecosystems, 2017, 20, 267-273.	3.4	6
26	Human exposure to dietary inorganic arsenic and other arsenic species: State of knowledge, gaps and uncertainties. Science of the Total Environment, 2017, 579, 1228-1239.	8.0	201
27	The cyanobacterium Gloeotrichia echinulata increases the stability and network complexity of phytoplankton communities. Ecosphere, 2017, 8, e01830.	2.2	12
28	Spatial variation in dinoflagellate recruitment along a reservoir ecosystem continuum. Journal of Plankton Research, 2017, 39, 715-728.	1.8	6
29	Presence of the Cyanotoxin Microcystin in Arctic Lakes of Southwestern Greenland. Toxins, 2016, 8, 256.	3.4	18
30	Crossâ€scale Perspectives: Integrating Longâ€term and Highâ€frequency Data into Our Understanding of Communities and Ecosystems. Bulletin of the Ecological Society of America, 2016, 97, 129-132.	0.2	3
31	Association of Rice and Rice-Product Consumption With Arsenic Exposure Early in Life. JAMA Pediatrics, 2016, 170, 609.	6.2	56
32	A typology of timeâ€scale mismatches and behavioral interventions to diagnose and solve conservation problems. Conservation Biology, 2016, 30, 42-49.	4.7	31
33	Dissolved organic carbon modulates mercury concentrations in insect subsidies from streams to terrestrial consumers. Ecological Applications, 2016, 26, 1771-1784.	3.8	33
34	Association of Cesarean Delivery and Formula Supplementation With the Intestinal Microbiome of 6-Week-Old Infants. JAMA Pediatrics, 2016, 170, 212.	6.2	238
35	Contribution of breast milk and formula to arsenic exposure during the first year of life in a US prospective cohort. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 452-457.	3.9	17
36	Recognizing crossâ€ecosystem responses to changing temperatures: soil warming impacts pelagic food webs. Oikos, 2015, 124, 1473-1481.	2.7	13

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37	Cyanobacteria as biological drivers of lake nitrogen and phosphorus cycling. Ecosphere, 2015, 6, 1-19.	2.2	198
38	Estimated Exposure to Arsenic in Breastfed and Formula-Fed Infants in a United States Cohort. Environmental Health Perspectives, 2015, 123, 500-506.	6.0	73
39	Autumn leaf subsidies influence spring dynamics of freshwater plankton communities. Oecologia, 2015, 178, 875-885.	2.0	11
40	Arsenic and Rice: Translating Research to Address Health Care Providers'ÂNeeds. Journal of Pediatrics, 2015, 167, 797-803.	1.8	38
41	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	12.8	143
42	Linking the green and brown worlds: the prevalence and effect of multichannel feeding in food webs. Ecology, 2014, 95, 3376-3386.	3.2	79
43	Infant toenails as a biomarker of in utero arsenic exposure. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 467-473.	3.9	46
44	Spatial and temporal variability in recruitment of the cyanobacterium<i>Gloeotrichia echinulata</i>in an oligotrophic lake. Freshwater Science, 2014, 33, 577-592.	1.8	33
45	Experimental blooms of the cyanobacterium Gloeotrichia echinulata increase phytoplankton biomass, richness and diversity in an oligotrophic lake. Journal of Plankton Research, 2014, 36, 364-377.	1.8	28
46	Trophic state mediates the effects of a large colonial cyanobacterium on phytoplankton dynamics. Fundamental and Applied Limnology, 2014, 184, 247-260.	0.7	5
47	Diet and toenail arsenic concentrations in a New Hampshire population with arsenic-containing water. Nutrition Journal, 2013, 12, 149.	3.4	38
48	Collaborative Understanding of Cyanobacteria in Lake Ecosystems. College Mathematics Journal, 2013, 44, 376-385.	0.1	0
49	Nutrient availability influences kairomone-induced defenses in Scenedesmus acutus (Chlorophyceae). Journal of Plankton Research, 2013, 35, 191-200.	1.8	29
50	Subsidy quantity and recipient community structure mediate plankton responses to autumn leaf drop. Ecosphere, 2013, 4, 1-18.	2.2	15
51	Rice Consumption and Urinary Arsenic Concentrations in U.S. Children. Environmental Health Perspectives, 2012, 120, 1418-1424.	6.0	134
52	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€. Science, 2012, 335, 1441-1441.	12.6	30
53	Occurrence and toxicity of the cyanobacterium Gloeotrichia echinulata in low-nutrient lakes in the northeastern United States. Aquatic Ecology, 2012, 46, 395-409.	1.5	45
54	Associations between toenail arsenic concentration and dietary factors in a New Hampshire population. Nutrition Journal, 2012, 11, 45.	3.4	28

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55	Arsenic concentration and speciation in infant formulas and first foods. Pure and Applied Chemistry, 2012, 84, 215-223.	1.9	78
56	Arsenic, Organic Foods, and Brown Rice Syrup. Environmental Health Perspectives, 2012, 120, 623-626.	6.0	136
57	Thermal sensitivity predicts the establishment success of nonnative species in a mesocosm warming experiment. Ecology, 2012, 93, 2313-2320.	3.2	24
58	Linking biotic interactions and climate change to the success of exotic Daphnia lumholtzi. Freshwater Biology, 2011, 56, 2196-2209.	2.4	17
59	Productivity Is a Poor Predictor of Plant Species Richness. Science, 2011, 333, 1750-1753.	12.6	463
60	Rice consumption contributes to arsenic exposure in US women. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20656-20660.	7.1	313
61	Grass invasion causes rapid increases in ecosystem carbon and nitrogen storage in a semiarid shrubland. Global Change Biology, 2010, 16, 1351-1365.	9.5	95
62	Zooplankton grazing of Gloeotrichia echinulata and associated life history consequences. Journal of Plankton Research, 2010, 32, 1337-1347.	1.8	12
63	Increases in phosphorus at the sediment-water interface may influence the initiation of cyanobacterial blooms in an oligotrophic lake. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2009, 30, 1185-1188.	0.1	2
64	Invasive grass litter facilitates native shrubs through abiotic effects. Journal of Vegetation Science, 2009, 20, 1121-1132.	2.2	50
65	Gloeotrichia echinulata blooms in an oligotrophic lake: helpful insights from eutrophic lakes. Journal of Plankton Research, 2008, 30, 893-904.	1.8	62
66	MICROBIAL PRODUCTIVITY IN VARIABLE RESOURCE ENVIRONMENTS. Ecology, 2008, 89, 1001-1014.	3.2	39
67	Parasites alter community structure. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9335-9339.	7.1	258
68	First report of microcystin-LR in the cyanobacteriumGloeotrichia echinulata. Environmental Toxicology, 2007, 22, 337-339.	4.0	45
69	Relative importance of CO₂ recycling and CH₄ pathways in lake food webs along a dissolved organic carbon gradient. Limnology and Oceanography, 2006, 51, 1602-1613.	3.1	55
70	The community ecology of Vibrio cholerae. , 2006, , 105-118.		1
71	Knowing when to draw the line: designing more informative ecological experiments. Frontiers in Ecology and the Environment, 2005, 3, 145-152.	4.0	298
72	Complexity in Ecology and Conservation: Mathematical, Statistical, and Computational Challenges. BioScience, 2005, 55, 501.	4.9	115

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73	ZOOPLANKTON COMMUNITY STRUCTURE AFFECTS HOW PHYTOPLANKTON RESPOND TO NUTRIENT PULSES. Ecology, 2004, 85, 158-171.	3.2	34
74	Impacts of multiple stressors on biodiversity and ecosystem functioning: the role of species co-tolerance. Oikos, 2004, 104, 451-457.	2.7	616
75	Distribution of plants in a California serpentine grassland: are rocky hummocks spatial refuges for native species?. Plant Ecology, 2004, 172, 159-171.	1.6	41
76	METABOLIC RATE OPENS A GRAND VISTA ON ECOLOGY. Ecology, 2004, 85, 1805-1807.	3.2	15
77	Environmental microbe and human pathogen: the ecology and microbiology of Vibrio cholerae. Frontiers in Ecology and the Environment, 2003, 1, 80-86.	4.0	63
78	ESTIMATING COMMUNITY STABILITY AND ECOLOGICAL INTERACTIONS FROM TIME-SERIES DATA. Ecological Monographs, 2003, 73, 301-330.	5.4	435
79	COMPETITION, SEED LIMITATION, DISTURBANCE, AND REESTABLISHMENT OF CALIFORNIA NATIVE ANNUAL FORBS. , 2003, 13, 575-592.		181
80	Tackling Biocomplexity: The Role of People, Tools, and Scale. BioScience, 2002, 52, 793.	4.9	27
81	Temporal, spatial, and taxonomic patterns of crustacean zooplankton variability in unmanipulated northâ€temperate lakes. Limnology and Oceanography, 2002, 47, 613-625.	3.1	40
82	TROPHIC CASCADES, NUTRIENTS, AND LAKE PRODUCTIVITY: WHOLE-LAKE EXPERIMENTS. Ecological Monographs, 2001, 71, 163-186.	5.4	448
83	INTERACTIONS AMONG ENVIRONMENTAL DRIVERS: COMMUNITY RESPONSES TO CHANGING NUTRIENTS AND DISSOLVED ORGANIC CARBON. Ecology, 2001, 82, 3390-3403.	3.2	38
84	Biodiversity may regulate the temporal variability of ecological systems. Ecology Letters, 2001, 4, 72-85.	6.4	411
85	Increased ecosystem variability and reduced predictability following fertilisation: Evidence from palaeolimnology. Ecology Letters, 2000, 3, 340-348.	6.4	66
86	THE RELATIONSHIP IN LAKE COMMUNITIES BETWEEN PRIMARY PRODUCTIVITY AND SPECIES RICHNESS. Ecology, 2000, 81, 2662-2679.	3.2	430
87	EFFECTS OF GRAZER COMMUNITY STRUCTURE ON PHYTOPLANKTON RESPONSE TO NUTRIENT PULSES. Ecology, 2000, 81, 183-200.	3.2	52
88	An Introduction to the Practice of Ecological Modeling. BioScience, 2000, 50, 694.	4.9	73
89	The Relationship in Lake Communities between Primary Productivity and Species Richness. Ecology, 2000, 81, 2662.	3.2	10
90	The Dual Nature of Community Variability. Oikos, 1999, 85, 161.	2.7	164

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91	National Center for Ecological Analysis and Synthesis, Santa Barbara, California 93101 and Center for Limnology,University of Wisconsin, Madison, Wisconsin 53706. Limnology and Oceanography, 1999, 44, 810-827.	3.1	98
92	Responses of epilimnetic phytoplankton to experimental nutrient enrichment in three small seepage lakes. Journal of Plankton Research, 1998, 20, 1889-1914.	1.8	46
93	POPULATION, COMMUNITY, AND ECOSYSTEM VARIATES AS ECOLOGICAL INDICATORS: PHYTOPLANKTON RESPONSES TO WHOLE-LAKE ENRICHMENT. , 1998, 8, 508-530.		127
94	Response of phytoplankton and bacteria to nutrients and zooplankton: a mesocosm experiment. Journal of Plankton Research, 1997, 19, 995-1010.	1.8	41
95	Seasonal effects of variable recruitment of a dominant piscivore on pelagic food web structure. Limnology and Oceanography, 1997, 42, 722-729.	3.1	56
96	Benthic-Pelagic Links: Responses of Benthos to Water-Column Nutrient Enrichment. Journal of the North American Benthological Society, 1997, 16, 466-479.	3.1	120
97	Resilience and Restoration of Lakes. Ecology and Society, 1997, 1, .	0.9	147
98	Predicting the consequences of dreissenid mussels on a pelagic food web. Ecological Modelling, 1996, 85, 129-144.	2.5	40
99	Chlorophyll Variability, Nutrient Input, and Grazing: Evidence from Whole- Lake Experiments. Ecology, 1996, 77, 725-735.	3.2	125
100	Pelagic responses to changes in dissolved organic carbon following division of a seepage lake. Limnology and Oceanography, 1996, 41, 553-559.	3.1	57
101	Food Web Structure and Littoral Zone Coupling to Pelagic Trophic Cascades. , 1996, , 96-105.		56
102	Resource vs. Ratio-Dependent Consumer-Resource Models: A Bayesian Perspective. Ecology, 1995, 76, 1986-1990.	3.2	13
103	Predicting chlorophyll vertical distribution in response to epilimnetic nutrient enrichment in small stratified lakes. Journal of Plankton Research, 1995, 17, 1461-1477.	1.8	21
104	Biological Control of Eutrophication in Lakes. Environmental Science & Technology, 1995, 29, 784-786.	10.0	123
105	Predictive Indices of Ecosystem Resilience in Models of North Temperate Lakes. Ecology, 1994, 75, 2127-2138.	3.2	45
106	Fitting Predator-Prey Models to Time Series with Observation Errors. Ecology, 1994, 75, 1254-1264.	3.2	61
107	Food Web Structure and Phosphorus Cycling in Lakes. Transactions of the American Fisheries Society, 1993, 122, 756-772.	1.4	171
108	Food Web Structure and Long-Term Phosphorus Recycling: A Simulation Model Evaluation. Transactions of the American Fisheries Society, 1993, 122, 773-783.	1.4	22

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109	Biotic feedbacks in Lake phosphorus cycles. Trends in Ecology and Evolution, 1992, 7, 332-336.	8.7	112