David M Post

List of Publications by Year
in descending order

106 papers	18,376 citations	46918 47 h-index	30848 102 g-index
108 all docs	108 docs citations	108 times ranked	15419 citing authors

#	Article	IF	Citations
1	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS. Ecology, 2002, 83, 703-718.	1.5	4,994
2	Getting to the fat of the matter: models, methods and assumptions for dealing with lipids in stable isotope analyses. Oecologia, 2007, 152, 179-189.	0.9	1,997
3	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE?. Ecology, 2007, 88, 42-48.	1.5	1,251
4	Detritus, trophic dynamics and biodiversity. Ecology Letters, 2004, 7, 584-600.	3.0	948
5	Applying stable isotopes to examine foodâ€web structure: an overview of analytical tools. Biological Reviews, 2012, 87, 545-562.	4.7	936
6	Ecosystem size determines food-chain length in lakes. Nature, 2000, 405, 1047-1049.	13.7	590
7	The ecological importance of intraspecific variation. Nature Ecology and Evolution, 2018, 2, 57-64.	3.4	570
8	The long and short of food-chain length. Trends in Ecology and Evolution, 2002, 17, 269-277.	4.2	487
9	Eco-evolutionary feedbacks in community and ecosystem ecology: interactions between the ecological theatre and the evolutionary play. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1629-1640.	1.8	485
10	Rapid evolution revealed by dormant eggs. Nature, 1999, 401, 446-446.	13.7	356
11	Ecology under lake ice. Ecology Letters, 2017, 20, 98-111.	3.0	320
12	Studying invasion: have we missed the boat?. Ecology Letters, 2005, 8, 715-721.	3.0	253
13	INTRASPECIFIC VARIATION IN A PREDATOR AFFECTS COMMUNITY STRUCTURE AND CASCADING TROPHIC INTERACTIONS. Ecology, 2008, 89, 2019-2032.	1.5	242
14	NATURAL SELECTION FOR GRAZER RESISTANCE TO TOXIC CYANOBACTERIA: EVOLUTION OF PHENOTYPIC PLASTICITY?. Evolution; International Journal of Organic Evolution, 2001, 55, 2203-2214.	1.1	221
15	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS. Ecology, 2003, 84, 1298-1310.	1.5	215
16	The Role of Discharge Variation in Scaling of Drainage Area and Food Chain Length in Rivers. Science, 2010, 330, 965-967.	6.0	190
17	PREY PREFERENCE BY A TOP PREDATOR AND THE STABILITY OF LINKED FOOD CHAINS. Ecology, 2000, 81, 8-14.	1.5	187
18	Rapid and widespread vegetation responses to past climate change in the North Atlantic region. Geology, 2002, 30, 971.	2.0	150

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19	Experimental evidence that phenotypic divergence in predators drives community divergence in prey. Ecology, 2009, 90, 300-305.	1.5	147
20	Proximate structural mechanisms for variation in foodâ€chain length. Oikos, 2007, 116, 775-782.	1.2	136
21	Annual mass drownings of the Serengeti wildebeest migration influence nutrient cycling and storage in the Mara River. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7647-7652.	3.3	136
22	Chlorophyll Variability, Nutrient Input, and Grazing: Evidence from Whole- Lake Experiments. Ecology, 1996, 77, 725-735.	1.5	125
23	Biological Control of Eutrophication in Lakes. Environmental Science & Technology, 1995, 29, 784-786.	4.6	123
24	The Role of Migratory Waterfowl as Nutrient Vectors in a Managed Wetland. Conservation Biology, 1998, 12, 910-920.	2.4	122
25	Independent evolutionary origins of landlocked alewife populations and rapid parallel evolution of phenotypic traits. Molecular Ecology, 2008, 17, 582-597.	2.0	118
26	Interactions among adult demography, spawning date, growth rate, predation, overwinter mortality, and the recruitment of largemouth bass in a northern lake. Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 2588-2600.	0.7	117
27	The problem of isotopic baseline: Reconstructing the diet and trophic position of fossil animals. Earth-Science Reviews, 2011, 106, 131-148.	4.0	111
28	The hippopotamus conveyor belt: vectors of carbon and nutrients from terrestrial grasslands to aquatic systems in subâ€Saharan Africa. Freshwater Biology, 2015, 60, 512-525.	1.2	111
29	Nutrient cycling at the landscape scale: The role of diel foraging migrations by geese at the Bosque del Apache National Wildlife Refuge, New Mexico. Limnology and Oceanography, 1999, 44, 828-836.	1.6	108
30	The problem of boundaries in defining ecosystems: A potential landmine for uniting geomorphology and ecology. Geomorphology, 2007, 89, 111-126.	1.1	105
31	Context dependency of animal resource subsidies. Biological Reviews, 2019, 94, 517-538.	4.7	103
32	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. GigaScience, 2017, 6, 1-22.	3.3	102
33	QUANTIFYING PERIODIC, STOCHASTIC, AND CATASTROPHIC ENVIRONMENTAL VARIATION. Ecological Monographs, 2008, 78, 19-40.	2.4	100
34	How low can you go? Impacts of a low-flow disturbance on aquatic insect communities. , 2011, 21, 163-174.		95
35	Environmental determinants of foodâ€chain length: a metaâ€analysis. Ecological Research, 2013, 28, 675-681.	0.7	95
36	Anadromous alewives (Alosa pseudoharengus) contribute marine-derived nutrients to coastal stream food webs. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 439-448.	0.7	90

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37	A cascade of evolutionary change alters consumer-resource dynamics and ecosystem function. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3184-3192.	1.2	75
38	ECOSYSTEM SIZE, BUT NOT DISTURBANCE, DETERMINES FOODâ€CHAIN LENGTH ON ISLANDS OF THE BAHAMAS. Ecology, 2008, 89, 3001-3007.	1.5	74
39	Cyclic dynamics of a yellow perch (Perca flavescens) population in an oligotrophic lake: evidence for the role of intraspecific interactions. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 1534-1542.	0.7	65
40	Local adaptation in transgenerational responses to predators. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152271.	1.2	65
41	AN EXPERIMENTAL DISTURBANCE ALTERS FISH SIZE STRUCTURE BUT NOT FOOD CHAIN LENGTH IN STREAMS. Ecology, 2008, 89, 3261-3267.	1.5	63
42	Nutrient loading by anadromous alewife (Alosa pseudoharengus): contemporary patterns and predictions for restoration efforts. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1211-1220.	0.7	61
43	Interpopulation variation in a fish predator drives evolutionary divergence in prey in lakes. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2628-2637.	1.2	60
44	Organic matter loading by hippopotami causes subsidy overload resulting in downstream hypoxia and fish kills. Nature Communications, 2018, 9, 1951.	5.8	59
45	Seasonal effects of variable recruitment of a dominant piscivore on pelagic food web structure. Limnology and Oceanography, 1997, 42, 722-729.	1.6	56
46	Marine resource flows to terrestrial arthropod predators on a temperate island: the role of subsidies between systems of similar productivity. Oecologia, 2008, 157, 653-659.	0.9	52
47	Food Chains in Freshwaters. Annals of the New York Academy of Sciences, 2009, 1162, 187-220.	1.8	50
48	Combining genetic and demographic information to prioritize conservation efforts for anadromous alewife and blueback herring. Evolutionary Applications, 2014, 7, 212-226.	1.5	50
49	The impact of double-crested cormorant (Phalacrocorax auritus) predation on anadromous alewife (Alosa pseudoharengus) in south-central Connecticut, USA. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 177-186.	0.7	49
50	Upward Adaptive Radiation Cascades: Predator Diversification Induced by Prey Diversification. Trends in Ecology and Evolution, 2018, 33, 59-70.	4.2	48
51	Organic matter and nutrient inputs from large wildlife influence ecosystem function in the Mara River, Africa. Ecology, 2018, 99, 2558-2574.	1.5	43
52	Morphological Constraints on Intracohort Cannibalism in Age-0 Largemouth Bass. Transactions of the American Fisheries Society, 1996, 125, 809-812.	0.6	42
53	Effects of productivity, disturbance, and ecosystem size on foodâ€chain length: insights from a metacommunity model of intraguild predation. Ecological Research, 2012, 27, 481-493.	0.7	42
54	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE? REPLY. Ecology, 2008, 89, 2358-2359.	1.5	41

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55	Impacts of warming revealed by linking resource growth rates with consumer functional responses. Journal of Animal Ecology, 2016, 85, 671-680.	1.3	38
56	The influence of a semi-arid sub-catchment on suspended sediments in the Mara River, Kenya. PLoS ONE, 2018, 13, e0192828.	1.1	38
57	Genetic stock composition of marine bycatch reveals disproportional impacts on depleted river herring genetic stocks. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 951-963.	0.7	34
58	Recent parallel divergence in body shape and diet source of alewife life history forms. Evolutionary Ecology, 2013, 27, 1175-1187.	0.5	32
59	Reconciling the role of terrestrial leaves in pond food webs: a wholeâ€ecosystem experiment. Ecology, 2016, 97, 1771-1782.	1.5	31
60	Nutrient Excretion Rates of Anadromous Alewives during Their Spawning Migration. Transactions of the American Fisheries Society, 2009, 138, 264-268.	0.6	30
61	The impact of intraspecific variation in a fish predator on the evolution of phenotypic plasticity and investment in sex in Daphnia ambigua. Journal of Evolutionary Biology, 2012, 25, 80-89.	0.8	29
62	The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. Biological Conservation, 2014, 170, 137-144.	1.9	28
63	Hippos (Hippopotamus amphibius): The animal silicon pump. Science Advances, 2019, 5, eaav0395.	4.7	27
64	Intraspecific phenotypic variation in a fish predator affects multitrophic lake metacommunity structure. Ecology and Evolution, 2013, 3, 5031-5044.	0.8	26
65	A global database of nitrogen and phosphorus excretion rates of aquatic animals. Ecology, 2017, 98, 1475-1475.	1.5	26
66	Historical changes in nutrient inputs from humans and anadromous fishes in New England's coastal watersheds. Limnology and Oceanography, 2013, 58, 1286-1300.	1.6	24
67	Morphological responses by Bosmina longirostris and Eubosmina tubicen to changes in copepod predator populations during a whole-lake acidification experiment. Journal of Plankton Research, 1995, 17, 1621-1632.	0.8	22
68	Consumer Interaction Strength May Limit the Diversifying Effect of Intraspecific Competition: A Test in Alewife (Alosa pseudoharengus). American Naturalist, 2013, 181, 815-826.	1.0	22
69	Emergence of a novel prey life history promotes contemporary sympatric diversification in a top predator. Nature Communications, 2015, 6, 8115.	5.8	22
70	Nutrient loading by anadromous fishes: species-specific contributions and the effects of diversity. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 609-619.	0.7	22
71	NEOTROPICAL ALIEN MAMMALS: a data set of occurrence and abundance of alien mammals in the Neotropics. Ecology, 2020, 101, e03115.	1.5	22
72	Eco-Evolutionary Feedbacks Drive Niche Differentiation in the Alewife. Biological Theory, 2011, 6, 211-219.	0.8	21

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73	Intraspecific variation in a predator drives cascading variation in primary producer community composition. Oikos, 2013, 122, 1343-1349.	1.2	21
74	The Evolutionary Consequences of Dams and Other Barriers for Riverine Fishes. BioScience, 2022, 72, 431-448.	2.2	21
75	Does intraspecific competition promote variation? A test via synthesis. Ecology and Evolution, 2016, 6, 1646-1655.	0.8	20
76	A 2000-year sediment record reveals rapidly changing sedimentation and land use since the 1960s in the Upper Mara-Serengeti Ecosystem. Science of the Total Environment, 2019, 664, 148-160.	3.9	19
77	Hippopotamus are distinct from domestic livestock in their resource subsidies to and effects on aquatic ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20193000.	1.2	19
78	Testing the productive-space hypothesis: rational and power. Oecologia, 2007, 153, 973-984.	0.9	18
79	Size matters: comparing stable isotope ratios of tissue plugs and whole organisms. Limnology and Oceanography: Methods, 2010, 8, 348-351.	1.0	18
80	Contribution of Declining Anadromous Fishes to the Reproductive Investment of a Common Piscivorous Seabird, The Double-Crested Cormorant (Phalacrocorax auritus). Auk, 2010, 127, 696-703.	0.7	17
81	Phytoplankton composition modifies predator-driven life history evolution in Daphnia. Evolutionary Ecology, 2014, 28, 397-411.	0.5	17
82	The meta-gut: community coalescence of animal gut and environmental microbiomes. Scientific Reports, 2021, 11, 23117.	1.6	17
83	Animal regeneration and microbial retention of nitrogen along coastal rocky shores. Ecology, 2014, 95, 2803-2814.	1.5	16
84	The evolution of eye size in response to increased fish predation in Daphnia. Evolution; International Journal of Organic Evolution, 2019, 73, 792-802.	1.1	16
85	Alternative Biogeochemical States of River Pools Mediated by Hippo Use and Flow Variability. Ecosystems, 2021, 24, 284-300.	1.6	16
86	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS. , 2002, 83, 703.		16
87	Contemporary trait change in a classic ecological experiment: rapid decrease in alewife gillâ€raker spacing following introduction to an inland lake. Freshwater Biology, 2014, 59, 1897-1901.	1.2	14
88	Intraspecific phenotypic variation among alewife populations drives parallel phenotypic shifts in bluegill. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140275.	1.2	13
89	Potential ecological and socio-economic effects of a novel megaherbivore introduction: the hippopotamus in Colombia. Oryx, 2021, 55, 105-113.	0.5	13
90	Cladoceran remains reveal presence of a keystone size-selective planktivore. Journal of Paleolimnology, 2013, 49, 253-266.	0.8	12

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91	Ecological Effects of Intraspecific Consumer Biodiversity for Aquatic Communities and Ecosystems. , 2015, , 37-51.		10
92	Evaluating the potential for prezygotic isolation and hybridization between landlocked and anadromous alewife (Alosa pseudoharengus) following secondary contact. Evolutionary Applications, 2018, 11, 1554-1566.	1.5	10
93	Restorationâ€mediated secondary contact leads to introgression of alewife ecotypes separated by a colonialâ€era dam. Evolutionary Applications, 2020, 13, 652-664.	1.5	10
94	A River of Bones: Wildebeest Skeletons Leave a Legacy of Mass Mortality in the Mara River, Kenya. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	10
95	The interplay between host community structure and pathogen lifeâ€history constraints in driving the evolution of hostâ€range shifts. Functional Ecology, 2019, 33, 2338-2353.	1.7	9
96	Spatial trophic variability of a coastal apex predator, the giant trevally Caranx ignobilis, in the western Indian Ocean. Marine Ecology - Progress Series, 2020, 641, 195-208.	0.9	9
97	Ammonium cycling in the rocky intertidal: Remineralization, removal, and retention. Limnology and Oceanography, 2014, 59, 361-372.	1.6	8
98	Temporal resource partitioning of wildebeest carcasses by scavengers after riverine mass mortality events. Ecosphere, 2021, 12, e03326.	1.0	7
99	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE?. , 2007, 88, 42.		7
100	Animal legacies lost and found in river ecosystems. Environmental Research Letters, 2021, 16, 115011.	2.2	7
101	Incidence and phenotypic variation in alewife alter the ontogenetic trajectory of youngâ€ofâ€theâ€year largemouth bass. Oikos, 2018, 127, 1800-1811.	1.2	5
102	Proximate structural mechanisms for variation in food-chain length. Oikos, 2007, 116, 775-782.	1.2	5
103	Life history traits and functional processes generate multiple pathways to ecological stability. Ecology, 2018, 99, 5-12.	1.5	4
104	Managing the emergence of pathogen resistance via spatially targeted antimicrobial use. Evolutionary Applications, 2018, 11, 1822-1841.	1.5	3
105	Evolutionary history of Daphnia drives divergence in grazing selectivity and alters temporal community dynamics of producers. Ecology and Evolution, 2018, 8, 859-865.	0.8	2
106	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS. , 2003, 84, 1298.		1