

David M Post

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

18,376
citations

46984

47
h-index

30894

102
g-index

108
all docs

108
docs citations

108
times ranked

15419
citing authors

#	ARTICLE	IF	CITATIONS
1	The Evolutionary Consequences of Dams and Other Barriers for Riverine Fishes. <i>BioScience</i> , 2022, 72, 431-448.	2.2	21
2	Alternative Biogeochemical States of River Pools Mediated by Hippo Use and Flow Variability. <i>Ecosystems</i> , 2021, 24, 284-300.	1.6	16
3	Potential ecological and socio-economic effects of a novel megaherbivore introduction: the hippopotamus in Colombia. <i>Oryx</i> , 2021, 55, 105-113.	0.5	13
4	Temporal resource partitioning of wildebeest carcasses by scavengers after riverine mass mortality events. <i>Ecosphere</i> , 2021, 12, e03326.	1.0	7
5	Animal legacies lost and found in river ecosystems. <i>Environmental Research Letters</i> , 2021, 16, 115011.	2.2	7
6	The meta-gut: community coalescence of animal gut and environmental microbiomes. <i>Scientific Reports</i> , 2021, 11, 23117.	1.6	17
7	Restoration-mediated secondary contact leads to introgression of alewife ecotypes separated by a colonial-era dam. <i>Evolutionary Applications</i> , 2020, 13, 652-664.	1.5	10
8	NEOTROPICAL ALIEN MAMMALS: a data set of occurrence and abundance of alien mammals in the Neotropics. <i>Ecology</i> , 2020, 101, e03115.	1.5	22
9	Hippopotamus are distinct from domestic livestock in their resource subsidies to and effects on aquatic ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20193000.	1.2	19
10	A River of Bones: Wildebeest Skeletons Leave a Legacy of Mass Mortality in the Mara River, Kenya. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	10
11	Spatial trophic variability of a coastal apex predator, the giant trevally <i>Caranx ignobilis</i> , in the western Indian Ocean. <i>Marine Ecology - Progress Series</i> , 2020, 641, 195-208.	0.9	9
12	The interplay between host community structure and pathogen life-history constraints in driving the evolution of host-range shifts. <i>Functional Ecology</i> , 2019, 33, 2338-2353.	1.7	9
13	Hippos (<i>Hippopotamus amphibius</i>): The animal silicon pump. <i>Science Advances</i> , 2019, 5, eaav0395.	4.7	27
14	The evolution of eye size in response to increased fish predation in <i>Daphnia</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 792-802.	1.1	16
15	A 2000-year sediment record reveals rapidly changing sedimentation and land use since the 1960s in the Upper Mara-Serengeti Ecosystem. <i>Science of the Total Environment</i> , 2019, 664, 148-160.	3.9	19
16	Context dependency of animal resource subsidies. <i>Biological Reviews</i> , 2019, 94, 517-538.	4.7	103
17	Evolutionary history of <i>Daphnia</i> drives divergence in grazing selectivity and alters temporal community dynamics of producers. <i>Ecology and Evolution</i> , 2018, 8, 859-865.	0.8	2
18	Life history traits and functional processes generate multiple pathways to ecological stability. <i>Ecology</i> , 2018, 99, 5-12.	1.5	4

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19	Upward Adaptive Radiation Cascades: Predator Diversification Induced by Prey Diversification. Trends in Ecology and Evolution, 2018, 33, 59-70.	4.2	48
20	The ecological importance of intraspecific variation. Nature Ecology and Evolution, 2018, 2, 57-64.	3.4	570
21	Incidence and phenotypic variation in alewife alter the ontogenetic trajectory of youngâ€œofâ€œtheâ€œyear largemouth bass. Oikos, 2018, 127, 1800-1811.	1.2	5
22	Managing the emergence of pathogen resistance via spatially targeted antimicrobial use. Evolutionary Applications, 2018, 11, 1822-1841.	1.5	3
23	Organic matter and nutrient inputs from large wildlife influence ecosystem function in the Mara River, Africa. Ecology, 2018, 99, 2558-2574.	1.5	43
24	Evaluating the potential for prezygotic isolation and hybridization between landlocked and anadromous alewife (<i>Alosa pseudoharengus</i>) following secondary contact. Evolutionary Applications, 2018, 11, 1554-1566.	1.5	10
25	Organic matter loading by hippopotami causes subsidy overload resulting in downstream hypoxia and fish kills. Nature Communications, 2018, 9, 1951.	5.8	59
26	The influence of a semi-arid sub-catchment on suspended sediments in the Mara River, Kenya. PLoS ONE, 2018, 13, e0192828.	1.1	38
27	A global database of nitrogen and phosphorus excretion rates of aquatic animals. Ecology, 2017, 98, 1475-1475.	1.5	26
28	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
29	Ecology under lake ice. Ecology Letters, 2017, 20, 98-111.	3.0	320
30	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
31	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
32	Impacts of warming revealed by linking resource growth rates with consumer functional responses. Journal of Animal Ecology, 2016, 85, 671-680.	1.3	38
33	Does intraspecific competition promote variation? A test via synthesis. Ecology and Evolution, 2016, 6, 1646-1655.	0.8	20
34	Reconciling the role of terrestrial leaves in pond food webs: a wholeâ€œecosystem experiment. Ecology, 2016, 97, 1771-1782.	1.5	31
35	Local adaptation in transgenerational responses to predators. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152271.	1.2	65
36	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

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37	Ecological Effects of Intraspecific Consumer Biodiversity for Aquatic Communities and Ecosystems. , 2015, , 37-51.		10
38	The hippopotamus conveyor belt: vectors of carbon and nutrients from terrestrial grasslands to aquatic systems in sub-Saharan Africa. <i>Freshwater Biology</i> , 2015, 60, 512-525.	1.2	111
39	Emergence of a novel prey life history promotes contemporary sympatric diversification in a top predator. <i>Nature Communications</i> , 2015, 6, 8115.	5.8	22
40	Intraspecific phenotypic variation among alewife populations drives parallel phenotypic shifts in bluegill. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140275.	1.2	13
41	Combining genetic and demographic information to prioritize conservation efforts for anadromous alewife and blueback herring. <i>Evolutionary Applications</i> , 2014, 7, 212-226.	1.5	50
42	Contemporary trait change in a classic ecological experiment: rapid decrease in alewife gill-craker spacing following introduction to an inland lake. <i>Freshwater Biology</i> , 2014, 59, 1897-1901.	1.2	14
43	Animal regeneration and microbial retention of nitrogen along coastal rocky shores. <i>Ecology</i> , 2014, 95, 2803-2814.	1.5	16
44	Phytoplankton composition modifies predator-driven life history evolution in <i>Daphnia</i> . <i>Evolutionary Ecology</i> , 2014, 28, 397-411.	0.5	17
45	The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. <i>Biological Conservation</i> , 2014, 170, 137-144.	1.9	28
46	Ammonium cycling in the rocky intertidal: Remineralization, removal, and retention. <i>Limnology and Oceanography</i> , 2014, 59, 361-372.	1.6	8
47	Environmental determinants of food-chain length: a meta-analysis. <i>Ecological Research</i> , 2013, 28, 675-681.	0.7	95
48	Cladoceran remains reveal presence of a keystone size-selective planktivore. <i>Journal of Paleolimnology</i> , 2013, 49, 253-266.	0.8	12
49	Consumer Interaction Strength May Limit the Diversifying Effect of Intraspecific Competition: A Test in Alewife (<i>Alosa pseudoharengus</i>). <i>American Naturalist</i> , 2013, 181, 815-826.	1.0	22
50	Recent parallel divergence in body shape and diet source of alewife life history forms. <i>Evolutionary Ecology</i> , 2013, 27, 1175-1187.	0.5	32
51	Intraspecific variation in a predator drives cascading variation in primary producer community composition. <i>Oikos</i> , 2013, 122, 1343-1349.	1.2	21
52	Intraspecific phenotypic variation in a fish predator affects multitrophic lake metacommunity structure. <i>Ecology and Evolution</i> , 2013, 3, 5031-5044.	0.8	26
53	Historical changes in nutrient inputs from humans and anadromous fishes in New England's coastal watersheds. <i>Limnology and Oceanography</i> , 2013, 58, 1286-1300.	1.6	24
54	A cascade of evolutionary change alters consumer-resource dynamics and ecosystem function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3184-3192.	1.2	75

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55	Applying stable isotopes to examine food web structure: an overview of analytical tools. <i>Biological Reviews</i> , 2012, 87, 545-562.	4.7	936
56	Effects of productivity, disturbance, and ecosystem size on food chain length: insights from a metacommunity model of intraguild predation. <i>Ecological Research</i> , 2012, 27, 481-493.	0.7	42
57	The impact of intraspecific variation in a fish predator on the evolution of phenotypic plasticity and investment in sex in <i>Daphnia ambigua</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 80-89.	0.8	29
58	Eco-Evolutionary Feedbacks Drive Niche Differentiation in the Alewife. <i>Biological Theory</i> , 2011, 6, 211-219.	0.8	21
59	The problem of isotopic baseline: Reconstructing the diet and trophic position of fossil animals. <i>Earth-Science Reviews</i> , 2011, 106, 131-148.	4.0	111
60	How low can you go? Impacts of a low-flow disturbance on aquatic insect communities. , 2011, 21, 163-174.		95
61	Interpopulation variation in a fish predator drives evolutionary divergence in prey in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2628-2637.	1.2	60
62	Size matters: comparing stable isotope ratios of tissue plugs and whole organisms. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 348-351.	1.0	18
63	The Role of Discharge Variation in Scaling of Drainage Area and Food Chain Length in Rivers. <i>Science</i> , 2010, 330, 965-967.	6.0	190
64	Contribution of Declining Anadromous Fishes to the Reproductive Investment of a Common Piscivorous Seabird, The Double-Crested Cormorant (<i>Phalacrocorax auritus</i>). <i>Auk</i> , 2010, 127, 696-703.	0.7	17
65	Nutrient loading by anadromous alewife (<i>Alosa pseudoharengus</i>): contemporary patterns and predictions for restoration efforts. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 1211-1220.	0.7	61
66	Food Chains in Freshwaters. <i>Annals of the New York Academy of Sciences</i> , 2009, 1162, 187-220.	1.8	50
67	Anadromous alewives (<i>Alosa pseudoharengus</i>) contribute marine-derived nutrients to coastal stream food webs. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 439-448.	0.7	90
68	Eco-evolutionary feedbacks in community and ecosystem ecology: interactions between the ecological theatre and the evolutionary play. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1629-1640.	1.8	485
69	Nutrient Excretion Rates of Anadromous Alewives during Their Spawning Migration. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 264-268.	0.6	30
70	The impact of double-crested cormorant (<i>Phalacrocorax auritus</i>) predation on anadromous alewife (<i>Alosa pseudoharengus</i>) in south-central Connecticut, USA. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 177-186.	0.7	49
71	Experimental evidence that phenotypic divergence in predators drives community divergence in prey. <i>Ecology</i> , 2009, 90, 300-305.	1.5	147
72	Independent evolutionary origins of landlocked alewife populations and rapid parallel evolution of phenotypic traits. <i>Molecular Ecology</i> , 2008, 17, 582-597.	2.0	118

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73	Marine resource flows to terrestrial arthropod predators on a temperate island: the role of subsidies between systems of similar productivity. <i>Oecologia</i> , 2008, 157, 653-659.	0.9	52
74	AN EXPERIMENTAL DISTURBANCE ALTERS FISH SIZE STRUCTURE BUT NOT FOOD CHAIN LENGTH IN STREAMS. <i>Ecology</i> , 2008, 89, 3261-3267.	1.5	63
75	ECOSYSTEM SIZE, BUT NOT DISTURBANCE, DETERMINES FOOD-CHAIN LENGTH ON ISLANDS OF THE BAHAMAS. <i>Ecology</i> , 2008, 89, 3001-3007.	1.5	74
76	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE? REPLY. <i>Ecology</i> , 2008, 89, 2358-2359.	1.5	41
77	INTRASPECIFIC VARIATION IN A PREDATOR AFFECTS COMMUNITY STRUCTURE AND CASCADING TROPHIC INTERACTIONS. <i>Ecology</i> , 2008, 89, 2019-2032.	1.5	242
78	QUANTIFYING PERIODIC, STOCHASTIC, AND CATASTROPHIC ENVIRONMENTAL VARIATION. <i>Ecological Monographs</i> , 2008, 78, 19-40.	2.4	100
79	The problem of boundaries in defining ecosystems: A potential landmine for uniting geomorphology and ecology. <i>Geomorphology</i> , 2007, 89, 111-126.	1.1	105
80	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE?. <i>Ecology</i> , 2007, 88, 42-48.	1.5	1,251
81	Proximate structural mechanisms for variation in food-chain length. <i>Oikos</i> , 2007, 116, 775-782.	1.2	136
82	Getting to the fat of the matter: models, methods and assumptions for dealing with lipids in stable isotope analyses. <i>Oecologia</i> , 2007, 152, 179-189.	0.9	1,997
83	Testing the productive-space hypothesis: rational and power. <i>Oecologia</i> , 2007, 153, 973-984.	0.9	18
84	Proximate structural mechanisms for variation in food-chain length. <i>Oikos</i> , 2007, 116, 775-782.	1.2	5
85	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE?. , 2007, 88, 42.		7
86	Studying invasion: have we missed the boat?. <i>Ecology Letters</i> , 2005, 8, 715-721.	3.0	253
87	Detritus, trophic dynamics and biodiversity. <i>Ecology Letters</i> , 2004, 7, 584-600.	3.0	948
88	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS. <i>Ecology</i> , 2003, 84, 1298-1310.	1.5	215
89	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS. , 2003, 84, 1298.		1
90	Rapid and widespread vegetation responses to past climate change in the North Atlantic region. <i>Geology</i> , 2002, 30, 971.	2.0	150

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91	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS. Ecology, 2002, 83, 703-718.	1.5	4,994
92	The long and short of food-chain length. Trends in Ecology and Evolution, 2002, 17, 269-277.	4.2	487
93	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS. , 2002, 83, 703.		16
94	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
95	Ecosystem size determines food-chain length in lakes. Nature, 2000, 405, 1047-1049.	13.7	590
96	PREY PREFERENCE BY A TOP PREDATOR AND THE STABILITY OF LINKED FOOD CHAINS. Ecology, 2000, 81, 8-14.	1.5	187
97	Rapid evolution revealed by dormant eggs. Nature, 1999, 401, 446-446.	13.7	356
98	Cyclic dynamics of a yellow perch (<i>Perca flavescens</i>) 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
99	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
100	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
101	The Role of Migratory Waterfowl as Nutrient Vectors in a Managed Wetland. Conservation Biology, 1998, 12, 910-920.	2.4	122
102	Seasonal effects of variable recruitment of a dominant piscivore on pelagic food web structure. Limnology and Oceanography, 1997, 42, 722-729.	1.6	56
103	Chlorophyll Variability, Nutrient Input, and Grazing: Evidence from Whole- Lake Experiments. Ecology, 1996, 77, 725-735.	1.5	125
104	Morphological Constraints on Intracohort Cannibalism in Age-0 Largemouth Bass. Transactions of the American Fisheries Society, 1996, 125, 809-812.	0.6	42
105	Morphological responses by <i>Bosmina longirostris</i> and <i>Eubosmina tubicen</i> to changes in copepod predator populations during a whole-lake acidification experiment. Journal of Plankton Research, 1995, 17, 1621-1632.	0.8	22
106	Biological Control of Eutrophication in Lakes. Environmental Science & Technology, 1995, 29, 784-786.	4.6	123