

# David M Post

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106  
papers

14,527  
citations

44  
h-index

108  
g-index

108  
ext. papers

16,429  
ext. citations

6.2  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
106	The meta-gut: community coalescence of animal gut and environmental microbiomes. <i>Scientific Reports</i> , <b>2021</b> , 11, 23117	4.9	1
105	Animal legacies lost and found in river ecosystems. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 115011	6.2	3
104	Alternative Biogeochemical States of River Pools Mediated by Hippo Use and Flow Variability. <i>Ecosystems</i> , <b>2021</b> , 24, 284-300	3.9	7
103	Potential ecological and socio-economic effects of a novel megaherbivore introduction: the hippopotamus in Colombia. <i>Oryx</i> , <b>2021</b> , 55, 105-113	1.5	5
102	Temporal resource partitioning of wildebeest carcasses by scavengers after riverine mass mortality events. <i>Ecosphere</i> , <b>2021</b> , 12, e03326	3.1	3
101	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> , <b>2020</b> , 287, 20193000	4.4	12
100	A River of Bones: Wildebeest Skeletons Leave a Legacy of Mass Mortality in the Mara River, Kenya. <i>Frontiers in Ecology and Evolution</i> , <b>2020</b> , 8,	3.7	3
99	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> , <b>2020</b> , 641, 195-208	2.6	4
98	Restoration-mediated secondary contact leads to introgression of alewife ecotypes separated by a colonial-era dam. <i>Evolutionary Applications</i> , <b>2020</b> , 13, 652-664	4.8	7
97	NEOTROPICAL ALIEN MAMMALS: a data set of occurrence and abundance of alien mammals in the Neotropics. <i>Ecology</i> , <b>2020</b> , 101, e03115	4.6	7
96	Hippos (): The animal silicon pump. <i>Science Advances</i> , <b>2019</b> , 5, eaav0395	14.3	17
95	The evolution of eye size in response to increased fish predation in <i>Daphnia</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>2019</b> , 73, 792-802	3.8	8
94	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> , <b>2019</b> , 664, 148-160	10.2	11
93	The interplay between host community structure and pathogen life-history constraints in driving the evolution of host-range shifts. <i>Functional Ecology</i> , <b>2019</b> , 33, 2338-2353	5.6	1
92	Context dependency of animal resource subsidies. <i>Biological Reviews</i> , <b>2019</b> , 94, 517-538	13.5	55
91	Evolutionary history of drives divergence in grazing selectivity and alters temporal community dynamics of producers. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 859-865	2.8	2
90	Life history traits and functional processes generate multiple pathways to ecological stability. <i>Ecology</i> , <b>2018</b> , 99, 5-12	4.6	2

89	Upward Adaptive Radiation Cascades: Predator Diversification Induced by Prey Diversification. <i>Trends in Ecology and Evolution</i> , <b>2018</b> , 33, 59-70	10.9	28
88	The influence of a semi-arid sub-catchment on suspended sediments in the Mara River, Kenya. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192828	3.7	25
87	The ecological importance of intraspecific variation. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 57-64	12.3	326
86	Incidence and phenotypic variation in alewife alter the ontogenetic trajectory of young-of-the-year largemouth bass. <i>Oikos</i> , <b>2018</b> , 127, 1800-1811	4	2
85	Managing the emergence of pathogen resistance via spatially targeted antimicrobial use. <i>Evolutionary Applications</i> , <b>2018</b> , 11, 1822-1841	4.8	3
84	Organic matter and nutrient inputs from large wildlife influence ecosystem function in the Mara River, Africa. <i>Ecology</i> , <b>2018</b> , 99, 2558-2574	4.6	24
83	Evaluating the potential for prezygotic isolation and hybridization between landlocked and anadromous alewife () following secondary contact. <i>Evolutionary Applications</i> , <b>2018</b> , 11, 1554-1566	4.8	5
82	Organic matter loading by hippopotami causes subsidy overload resulting in downstream hypoxia and fish kills. <i>Nature Communications</i> , <b>2018</b> , 9, 1951	17.4	38
81	A global database of nitrogen and phosphorus excretion rates of aquatic animals. <i>Ecology</i> , <b>2017</b> , 98, 1475-1486	4.6	23
80	Annual mass drownings of the Serengeti wildebeest migration influence nutrient cycling and storage in the Mara River. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 7647-7652	11.5	77
79	Ecology under lake ice. <i>Ecology Letters</i> , <b>2017</b> , 20, 98-111	10	202
78	Nutrient loading by anadromous fishes: species-specific contributions and the effects of diversity. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2017</b> , 74, 609-619	2.4	18
77	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. <i>GigaScience</i> , <b>2017</b> , 6, 1-22	7.6	75
76	Reconciling the role of terrestrial leaves in pond food webs: a whole-ecosystem experiment. <i>Ecology</i> , <b>2016</b> , 97, 1771-1782	4.6	22
75	Local adaptation in transgenerational responses to predators. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	45
74	Genetic stock composition of marine bycatch reveals disproportional impacts on depleted river herring genetic stocks. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2016</b> , 73, 951-963	2.4	26
73	Impacts of warming revealed by linking resource growth rates with consumer functional responses. <i>Journal of Animal Ecology</i> , <b>2016</b> , 85, 671-80	4.7	25
72	Does intraspecific competition promote variation? A test via synthesis. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 1646-55	2.8	14

71	The hippopotamus conveyor belt: vectors of carbon and nutrients from terrestrial grasslands to aquatic systems in sub-Saharan Africa. <i>Freshwater Biology</i> , <b>2015</b> , 60, 512-525	3.1	85
70	Emergence of a novel prey life history promotes contemporary sympatric diversification in a top predator. <i>Nature Communications</i> , <b>2015</b> , 6, 8115	17.4	16
69	Ecological Effects of Intraspecific Consumer Biodiversity for Aquatic Communities and Ecosystems <b>2015</b> , 37-51		9
68	Phytoplankton composition modifies predator-driven life history evolution in <i>Daphnia</i> . <i>Evolutionary Ecology</i> , <b>2014</b> , 28, 397-411	1.8	14
67	The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. <i>Biological Conservation</i> , <b>2014</b> , 170, 137-144	6.2	21
66	Ammonium cycling in the rocky intertidal: Remineralization, removal, and retention. <i>Limnology and Oceanography</i> , <b>2014</b> , 59, 361-372	4.8	7
65	Intraspecific phenotypic variation among alewife populations drives parallel phenotypic shifts in bluegill. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281,	4.4	13
64	Combining genetic and demographic information to prioritize conservation efforts for anadromous alewife and blueback herring. <i>Evolutionary Applications</i> , <b>2014</b> , 7, 212-26	4.8	42
63	Contemporary trait change in a classic ecological experiment: rapid decrease in alewife gill-raker spacing following introduction to an inland lake. <i>Freshwater Biology</i> , <b>2014</b> , 59, 1897-1901	3.1	11
62	Animal regeneration and microbial retention of nitrogen along coastal rocky shores. <i>Ecology</i> , <b>2014</b> , 95, 2803-2814	4.6	15
61	Environmental determinants of food-chain length: a meta-analysis. <i>Ecological Research</i> , <b>2013</b> , 28, 675-681.9		77
60	Cladoceran remains reveal presence of a keystone size-selective planktivore. <i>Journal of Paleolimnology</i> , <b>2013</b> , 49, 253-266	2.1	10
59	Consumer interaction strength may limit the diversifying effect of intraspecific competition: a test in alewife ( <i>Alosa pseudoharengus</i> ). <i>American Naturalist</i> , <b>2013</b> , 181, 815-26	3.7	19
58	Recent parallel divergence in body shape and diet source of alewife life history forms. <i>Evolutionary Ecology</i> , <b>2013</b> , 27, 1175-1187	1.8	27
57	Intraspecific variation in a predator drives cascading variation in primary producer community composition. <i>Oikos</i> , <b>2013</b> , 122, 1343-1349	4	17
56	Intraspecific phenotypic variation in a fish predator affects multitrophic lake metacommunity structure. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 5031-44	2.8	21
55	Historical changes in nutrient inputs from humans and anadromous fishes in New England's coastal watersheds. <i>Limnology and Oceanography</i> , <b>2013</b> , 58, 1286-1300	4.8	20
54	Applying stable isotopes to examine food-web structure: an overview of analytical tools. <i>Biological Reviews</i> , <b>2012</b> , 87, 545-62	13.5	726

53	Effects of productivity, disturbance, and ecosystem size on food-chain length: insights from a metacommunity model of intraguild predation. <i>Ecological Research</i> , <b>2012</b> , 27, 481-493	1.9	36
52	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> , <b>2012</b> , 25, 80-9	2.3	25
51	A cascade of evolutionary change alters consumer-resource dynamics and ecosystem function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 3184-92	4.4	69
50	Eco-Evolutionary Feedbacks Drive Niche Differentiation in the Alewife. <i>Biological Theory</i> , <b>2011</b> , 6, 211-219	1.7	18
49	The problem of isotopic baseline: Reconstructing the diet and trophic position of fossil animals. <i>Earth-Science Reviews</i> , <b>2011</b> , 106, 131-148	10.2	92
48	How low can you go? Impacts of a low-flow disturbance on aquatic insect communities <b>2011</b> , 21, 163-74		82
47	Interpopulation variation in a fish predator drives evolutionary divergence in prey in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 278, 2628-37	4.4	53
46	The role of discharge variation in scaling of drainage area and food chain length in rivers. <i>Science</i> , <b>2010</b> , 330, 965-7	33.3	164
45	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> , <b>2010</b> , 127, 696-703	2.1	17
44	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> , <b>2010</b> , 67, 1211-1220	2.4	49
43	Size matters: comparing stable isotope ratios of tissue plugs and whole organisms. <i>Limnology and Oceanography: Methods</i> , <b>2010</b> , 8, 348-351	2.6	11
42	Food chains in freshwaters. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1162, 187-220	6.5	42
41	Anadromous alewives ( <i>Alosa pseudoharengus</i> ) contribute marine-derived nutrients to coastal stream food webs. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2009</b> , 66, 439-448	2.4	77
40	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> , <b>2009</b> , 364, 1629-40	5.8	388
39	Nutrient Excretion Rates of Anadromous Alewives during Their Spawning Migration. <i>Transactions of the American Fisheries Society</i> , <b>2009</b> , 138, 264-268	1.7	24
38	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> , <b>2009</b> , 66, 177-186	2.4	45
37	Experimental evidence that phenotypic divergence in predators drives community divergence in prey. <i>Ecology</i> , <b>2009</b> , 90, 300-5	4.6	124
36	An experimental disturbance alters fish size structure but not food chain length in streams. <i>Ecology</i> , <b>2008</b> , 89, 3261-7	4.6	60

35	ECOSYSTEM SIZE, BUT NOT DISTURBANCE, DETERMINES FOOD-CHAIN LENGTH ON ISLANDS OF THE BAHAMAS. <i>Ecology</i> , <b>2008</b> , 89, 3001-3007	4.6	62
34	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE? REPLY. <i>Ecology</i> , <b>2008</b> , 89, 2358-2359	4.6	29
33	Intraspecific variation in a predator affects community structure and cascading trophic interactions. <i>Ecology</i> , <b>2008</b> , 89, 2019-32	4.6	211
32	QUANTIFYING PERIODIC, STOCHASTIC, AND CATASTROPHIC ENVIRONMENTAL VARIATION. <i>Ecological Monographs</i> , <b>2008</b> , 78, 19-40	9	83
31	Independent evolutionary origins of landlocked alewife populations and rapid parallel evolution of phenotypic traits. <i>Molecular Ecology</i> , <b>2008</b> , 17, 582-97	5.7	98
30	Marine resource flows to terrestrial arthropod predators on a temperate island: the role of subsidies between systems of similar productivity. <i>Oecologia</i> , <b>2008</b> , 157, 653-9	2.9	44
29	Proximate structural mechanisms for variation in food-chain length. <i>Oikos</i> , <b>2007</b> , 116, 775-782	4	115
28	Getting to the fat of the matter: models, methods and assumptions for dealing with lipids in stable isotope analyses. <i>Oecologia</i> , <b>2007</b> , 152, 179-89	2.9	1609
27	Testing the productive-space hypothesis: rational and power. <i>Oecologia</i> , <b>2007</b> , 153, 973-84	2.9	14
26	The problem of boundaries in defining ecosystems: A potential landmine for uniting geomorphology and ecology. <i>Geomorphology</i> , <b>2007</b> , 89, 111-126	4.3	90
25	Can stable isotope ratios provide for community-wide measures of trophic structure?. <i>Ecology</i> , <b>2007</b> , 88, 42-8	4.6	971
24	Proximate structural mechanisms for variation in food-chain length <b>2007</b> , 116, 775		5
23	CAN STABLE ISOTOPE RATIOS PROVIDE FOR COMMUNITY-WIDE MEASURES OF TROPHIC STRUCTURE? <b>2007</b> , 88, 42		6
22	Studying invasion: have we missed the boat?. <i>Ecology Letters</i> , <b>2005</b> , 8, 715-721	10	213
21	Detritus, trophic dynamics and biodiversity. <i>Ecology Letters</i> , <b>2004</b> , 7, 584-600	10	777
20	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS. <i>Ecology</i> , <b>2003</b> , 84, 1298-1310	4.6	181
19	INDIVIDUAL VARIATION IN THE TIMING OF ONTOGENETIC NICHE SHIFTS IN LARGEMOUTH BASS <b>2003</b> , 84, 1298		1
18	Rapid and widespread vegetation responses to past climate change in the North Atlantic region. <i>Geology</i> , <b>2002</b> , 30, 971	5	132

17	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS. <i>Ecology</i> , <b>2002</b> , 83, 703-718	4.6	3995
16	The long and short of food-chain length. <i>Trends in Ecology and Evolution</i> , <b>2002</b> , 17, 269-277	10.9	406
15	USING STABLE ISOTOPES TO ESTIMATE TROPHIC POSITION: MODELS, METHODS, AND ASSUMPTIONS <b>2002</b> , 83, 703		11
14	Natural selection for grazer resistance to toxic cyanobacteria: evolution of phenotypic plasticity?. <i>Evolution; International Journal of Organic Evolution</i> , <b>2001</b> , 55, 2203-14	3.8	194
13	Ecosystem size determines food-chain length in lakes. <i>Nature</i> , <b>2000</b> , 405, 1047-9	50.4	499
12	PREY PREFERENCE BY A TOP PREDATOR AND THE STABILITY OF LINKED FOOD CHAINS. <i>Ecology</i> , <b>2000</b> , 81, 8-14	4.6	154
11	Rapid evolution revealed by dormant eggs. <i>Nature</i> , <b>1999</b> , 401, 446-446	50.4	290
10	Cyclic dynamics of a yellow perch ( <i>Perca flavescens</i> ) population in an oligotrophic lake: evidence for the role of intraspecific interactions. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1999</b> , 56, 1534-1542	2.4	54
9	Nutrient cycling at the landscape scale: The role of diel foraging migrations by geese at the Bosque del Apache National Wildlife Refuge, New Mexico. <i>Limnology and Oceanography</i> , <b>1999</b> , 44, 828-836	4.8	88
8	Interactions among adult demography, spawning date, growth rate, predation, overwinter mortality, and the recruitment of largemouth bass in a northern lake. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1998</b> , 55, 2588-2600	2.4	107
7	The Role of Migratory Waterfowl as Nutrient Vectors in a Managed Wetland. <i>Conservation Biology</i> , <b>1998</b> , 12, 910-920	6	109
6	Seasonal effects of variable recruitment of a dominant piscivore on pelagic food web structure. <i>Limnology and Oceanography</i> , <b>1997</b> , 42, 722-729	4.8	36
5	Chlorophyll Variability, Nutrient Input, and Grazing: Evidence from Whole- Lake Experiments. <i>Ecology</i> , <b>1996</b> , 77, 725-735	4.6	98
4	Morphological Constraints on Intra-cohort Cannibalism in Age-0 Largemouth Bass. <i>Transactions of the American Fisheries Society</i> , <b>1996</b> , 125, 809-812	1.7	39
3	Morphological responses by <i>Bosmina longirostris</i> and <i>Eubosmina tubicen</i> to changes in copepod predator populations during a whole-lake acidification experiment. <i>Journal of Plankton Research</i> , <b>1995</b> , 17, 1621-1632	2.2	20
2	Biological Control of Eutrophication in Lakes. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 784-786	60.3	103
1	The meta-gut: Hippo inputs lead to community coalescence of animal and environmental microbiomes		1