

# Gary Mittelbach

## List of Publications by Year in descending order

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64  
papers

15,041  
citations

57631

44  
h-index

118652

62  
g-index

64  
all docs

64  
docs citations

64  
times ranked

13483  
citing authors

#	ARTICLE	IF	CITATIONS
1	ENERGY, WATER, AND BROAD-SCALE GEOGRAPHIC PATTERNS OF SPECIES RICHNESS. <i>Ecology</i> , 2003, 84, 3105-3117.	1.5	1,868
2	Evolution and the latitudinal diversity gradient: speciation, extinction and biogeography. <i>Ecology Letters</i> , 2007, 10, 315-331.	3.0	1,361
3	An Experimental Test of the Effects of Predation Risk on Habitat Use in Fish. <i>Ecology</i> , 1983, 64, 1540-1548.	1.5	1,351
4	WHAT IS THE OBSERVED RELATIONSHIP BETWEEN SPECIES RICHNESS AND PRODUCTIVITY?. <i>Ecology</i> , 2001, 82, 2381-2396.	1.5	1,260
5	The Relationship Between Productivity and Species Richness. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1999, 30, 257-300.	6.7	1,074
6	Predictions and tests of climate-based hypotheses of broad-scale variation in taxonomic richness. <i>Ecology Letters</i> , 2004, 7, 1121-1134.	3.0	1,011
7	Foraging Efficiency and Body Size: A Study of Optimal Diet and Habitat Use by Bluegills. <i>Ecology</i> , 1981, 62, 1370-1386.	1.5	756
8	Spatial species richness gradients across scales: a meta-analysis. <i>Journal of Biogeography</i> , 2009, 36, 132-147.	1.4	573
9	The ontogeny of piscivory and its ecological consequences. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 1454-1465.	0.7	453
10	Experimental Tests of Optimal Habitat Use in Fish: The Role of Relative Habitat Profitability. <i>Ecology</i> , 1983, 64, 1525-1539.	1.5	355
11	Predation and Resource Partitioning in Two Sunfishes (Centrarchidae). <i>Ecology</i> , 1984, 65, 499-513.	1.5	308
12	Predator Avoidance and Community Structure: Interactions among Piscivores, Planktivores, and Plankton. <i>Ecology</i> , 1990, 71, 2241-2254.	1.5	272
13	Ecological and evolutionary perspectives on community assembly. <i>Trends in Ecology and Evolution</i> , 2015, 30, 241-247.	4.2	271
14	Competition Among Refuging Sunfishes and Effects of Fish Density on Littoral Zone Invertebrates. <i>Ecology</i> , 1988, 69, 614-623.	1.5	267
15	The Role of Foraging Profitability and Experience in Habitat Use by the Bluegill Sunfish. <i>Ecology</i> , 1981, 62, 116-125.	1.5	230
16	Effects of Body Size on the Predator-Prey Interaction Between Pumpkinseed Sunfish and Gastropods. <i>Ecological Monographs</i> , 1989, 59, 405-432.	2.4	227
17	Species loss and the structure and functioning of multitrophic aquatic systems. <i>Oikos</i> , 2004, 104, 467-478.	1.2	218
18	Large-scale biodiversity patterns in freshwater phytoplankton. <i>Ecology</i> , 2011, 92, 2096-2107.	1.5	182

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19	Experimental studies of seed predation in old-fields. <i>Oecologia</i> , 1984, 65, 7-13.	0.9	180
20	Two-Stage Life Histories in Fish: The Interaction Between Juvenile Competition and Adult Performance. <i>Ecology</i> , 1992, 73, 255-267.	1.5	176
21	Fish behavioral types and their ecological consequences. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014, 71, 927-944.	0.7	176
22	Perturbation and Resilience: A Long-Term, Whole-Lake Study of Predator Extinction and Reintroduction. <i>Ecology</i> , 1995, 76, 2347-2360.	1.5	173
23	Long-Term and Large-Scale Perspectives on the Relationship between Biodiversity and Ecosystem Functioning. <i>BioScience</i> , 2003, 53, 89.	2.2	156
24	Competition between Predator and Prey: Resource-Based Mechanisms and Implications for Stage-Structured Dynamics. <i>Ecology</i> , 1995, 76, 1758-1771.	1.5	151
25	Growth Patterns in Bluegill ( <i>Lepomis macrochirus</i> ) and Pumpkinseed ( <i>Lepomis gibbosus</i> ) Sunfish: Environmental Variation and the Importance of Ontogenetic Niche Shifts. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1988, 45, 17-26.	0.7	149
26	GRASSLAND INVASIBILITY AND DIVERSITY: RESPONSES TO NUTRIENTS, SEED INPUT, AND DISTURBANCE. <i>Ecology</i> , 2005, 86, 476-486.	1.5	131
27	Predator-mediated habitat use: some consequences for species interactions. <i>Environmental Biology of Fishes</i> , 1986, 16, 159-169.	0.4	124
28	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. <i>Ecology Letters</i> , 2019, 22, 245-255.	3.0	92
29	Stage-Structured Interactions in Bluegill: Consequences of Adult Resource Variation. <i>Ecology</i> , 1993, 74, 2381-2394.	1.5	90
30	Resource Heterogeneity, Soil Fertility, and Species Diversity: Effects of Clonal Species on Plant Communities. <i>American Naturalist</i> , 2011, 177, 574-588.	1.0	90
31	Variation in resource abundance affects diet and feeding morphology in the pumpkinseed sunfish ( <i>Lepomis gibbosus</i> ). <i>Oecologia</i> , 1992, 90, 8-13.	0.9	85
32	No effect of varying soil resource heterogeneity on plant species richness in a low fertility grassland. <i>Journal of Ecology</i> , 2007, 95, 723-733.	1.9	85
33	The effects of fish on assemblages of amphibians in ponds: a field experiment. <i>Freshwater Biology</i> , 1999, 41, 829-837.	1.2	82
34	Patterns of Invertebrate Size and Abundance in Aquatic Habitats. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1981, 38, 896-904.	0.7	80
35	PERTURBATIONS ALTER COMMUNITY CONVERGENCE, DIVERGENCE, AND FORMATION OF MULTIPLE COMMUNITY STATES. <i>Ecology</i> , 2008, 89, 2172-2180.	1.5	76
36	Optimal foraging and growth in bluegills. <i>Oecologia</i> , 1983, 59, 157-162.	0.9	74

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37	Height and clonality traits determine plant community responses to fertilization. <i>Ecology</i> , 2014, 95, 2443-2452.	1.5	73
38	Biodiversity and species interactions: extending Lotka-Volterra community theory. <i>Ecology Letters</i> , 2003, 6, 944-952.	3.0	72
39	Assessing the latitudinal gradient in herbivory. <i>Global Ecology and Biogeography</i> , 2015, 24, 1106-1112.	2.7	63
40	Stocking Threadfin Shad: Consequences for Young-of-Year Fishes. <i>Transactions of the American Fisheries Society</i> , 1991, 120, 368-381.	0.6	61
41	ONTOGENETIC NICHE SHIFTS AND FLEXIBLE BEHAVIOR IN SIZE-STRUCTURED POPULATIONS. <i>Ecological Monographs</i> , 2002, 72, 271-292.	2.4	60
42	Fitness Consequences of Boldness in Juvenile and Adult Largemouth Bass. <i>American Naturalist</i> , 2017, 189, 396-406.	1.0	60
43	The influence of consumer diversity and indirect facilitation on trophic level biomass and stability. <i>Oikos</i> , 2005, 110, 556-566.	1.2	59
44	Effects of a native crayfish ( <i>Orconectes virilis</i> ) on the reproductive success and nesting behavior of sunfish ( <i>Lepomis</i> spp.). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 2135-2143.	0.7	48
45	“Latitudinal Gradients in Species Diversity”: Reflections on Pianka’s 1966 Article and a Look Forward. <i>American Naturalist</i> , 2017, 189, 599-603.	1.0	46
46	REGIONAL COEXISTENCE AND LOCAL DOMINANCE IN CHAOBORUS: SPECIES SORTING ALONG A PREDATION GRADIENT. <i>Ecology</i> , 2008, 89, 1703-1713.	1.5	43
47	WHAT IS THE OBSERVED RELATIONSHIP BETWEEN SPECIES RICHNESS AND PRODUCTIVITY? REPLY. <i>Ecology</i> , 2003, 84, 3390-3395.	1.5	36
48	CONSEQUENCES OF NICHE OVERLAP FOR ECOSYSTEM FUNCTIONING: AN EXPERIMENTAL TEST WITH POND GRAZERS. <i>Ecology</i> , 2007, 88, 2072-2083.	1.5	25
49	Effects of Grazer Community Composition and Fish on Algal Dynamics. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 1908-1915.	0.7	24
50	Speciation and the Latitudinal Diversity Gradient: Insights from the Global Distribution of Endemic Fish. <i>American Naturalist</i> , 2017, 189, 604-615.	1.0	22
51	Negative effects of fertilization on grassland species richness are stronger when tall clonal species are present. <i>Folia Geobotanica</i> , 2017, 52, 401-409.	0.4	22
52	Interactions between adult and larval bluegill sunfish: positive and negative effects. <i>Oecologia</i> , 2002, 130, 222-230.	0.9	19
53	FISH REINTRODUCTIONS REVEAL SMOOTH TRANSITIONS BETWEEN LAKE COMMUNITY STATES. <i>Ecology</i> , 2006, 87, 312-318.	1.5	18
54	Group Size and Feeding Rate in Bluegills. <i>Copeia</i> , 1984, 1984, 998.	1.4	16

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55	Competition among plant species that interact with their environment at different spatial scales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1897-1906.	1.2	16
56	Recyclingâ€Mediated Facilitation and Coexistence Based on Plant Size. <i>American Naturalist</i> , 2010, 176, 588-600.	1.0	15
57	Understanding species richnessâ€productivity relationships: the importance of meta-analyses. <i>Ecology</i> , 2010, 91, 2540-2544.	1.5	14
58	The influence of dispersal on the realized trajectory of a pond metacommunity. <i>Oikos</i> , 2017, 126, 1269-1280.	1.2	8
59	The impact of density-independent mortality on species coexistence: an experimental test with zooplankton. <i>Oikos</i> , 2004, 107, 415-421.	1.2	7
60	Resource competition and community response to fertilization: the outcome depends on spatial strategies. <i>Theoretical Ecology</i> , 2014, 7, 127-135.	0.4	4
61	A matter of time for tropical diversity. <i>Nature</i> , 2017, 550, 51-52.	13.7	2
62	Planktonic biodiversity: Scaling up and down. <i>Limnology and Oceanography</i> , 2004, 49, 1225-1228.	1.6	1
63	Predation and Resource Partitioning in Sunfishes. <i>BioScience</i> , 1984, 34, 444-445.	2.2	0
64	Multiple Approaches to Predators and Their Prey. <i>Ecology</i> , 1987, 68, 241-242.	1.5	0