# 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 | Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. Ecology Letters, 2019, 22, 245-255. | 3.0 | 92 |
| 2 | Fitness Consequences of Boldness in Juvenile and Adult Largemouth Bass. American Naturalist, 2017, 189, 396-406. | 1.0 | 60 |
| 3 | The influence of dispersal on the realized trajectory of a pond metacommunity. Oikos, 2017, 126, 1269-1280. | 1.2 | 8 |
| 4 | Speciation and the Latitudinal Diversity Gradient: Insights from the Global Distribution of Endemic Fish. American Naturalist, 2017, 189, 604-615. | 1.0 | 22 |
| 5 | â€œLatitudinal Gradients in Species Diversityâ€: Reflections on Pianka's 1966 Article and a Look Forward. American Naturalist, 2017, 189, 599-603. | 1.0 | 46 |
| 6 | Negative effects of fertilization on grassland species richness are stronger when tall clonal species are present. Folia Geobotanica, 2017, 52, 401-409. | 0.4 | 22 |
| 7 | A matter of time for tropical diversity. Nature, 2017, 550, 51-52. | 13.7 | 2 |
| 8 | Assessing the latitudinal gradient in herbivory. Global Ecology and Biogeography, 2015, 24, 1106-1112. | 2.7 | 63 |
| 9 | Ecological and evolutionary perspectives on community assembly. Trends in Ecology and Evolution, 2015, 30, 241-247. | 4.2 | 271 |
| 10 | Height and clonality traits determine plant community responses to fertilization. Ecology, 2014, 95, 2443-2452. | 1.5 | 73 |
| 11 | Resource competition and community response to fertilization: the outcome depends on spatial strategies. Theoretical Ecology, 2014, 7, 127-135. | 0.4 | 4 |
| 12 | Fish behavioral types and their ecological consequences. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 927-944. | 0.7 | 176 |
| 13 | Large-scale biodiversity patterns in freshwater phytoplankton. Ecology, 2011, 92, 2096-2107. | 1.5 | 182 |
| 14 | Resource Heterogeneity, Soil Fertility, and Species Diversity: Effects of Clonal Species on Plant Communities. American Naturalist, 2011, 177, 574-588. | 1.0 | 90 |
| 15 | Recyclingâ€Mediated Facilitation and Coexistence Based on Plant Size. American Naturalist, 2010, 176, 588-600. | 1.0 | 15 |
| 16 | Understanding species richnessâ€“productivity relationships: the importance of meta-analyses. Ecology, 2010, 91, 2540-2544. | 1.5 | 14 |
| 17 | Spatial speciesâ€richness gradients across scales: a metaâ€analysis. Journal of Biogeography, 2009, 36, 132-147. | 1.4 | 573 |
| 18 | PERTURBATIONS ALTER COMMUNITY CONVERGENCE, DIVERGENCE, AND FORMATION OF MULTIPLE COMMUNITY STATES. Ecology, 2008, 89, 2172-2180. | 1.5 | 76 |

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|---|---|---|---|
| 19 | REGIONAL COEXISTENCE AND LOCAL DOMINANCE INCHAOBORUS: SPECIES SORTING ALONG A PREDATION GRADIENT. Ecology, 2008, 89, 1703-1713. | 1.5 | 43 |
| 20 | Competition among plant species that interact with their environment at different spatial scales. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1897-1906. | 1.2 | 16 |
| 21 | CONSEQUENCES OF NICHE OVERLAP FOR ECOSYSTEM FUNCTIONING: AN EXPERIMENTAL TEST WITH POND GRAZERS. Ecology, 2007, 88, 2072-2083. | 1.5 | 25 |
| 22 | Evolution and the latitudinal diversity gradient: speciation, extinction and biogeography. Ecology Letters, 2007, 10, 315-331. | 3.0 | 1,361 |
| 23 | No effect of varying soil resource heterogeneity on plant species richness in a low fertility grassland. Journal of Ecology, 2007, 95, 723-733. | 1.9 | 85 |
| 24 | FISH REINTRODUCTIONS REVEAL SMOOTH TRANSITIONS BETWEEN LAKE COMMUNITY STATES. Ecology, 2006, 87, 312-318. | 1.5 | 18 |
| 25 | The influence of consumer diversity and indirect facilitation on trophic level biomass and stability. Oikos, 2005, 110, 556-566. | 1.2 | 59 |
| 26 | GRASSLAND INVASIBILITY AND DIVERSITY: RESPONSES TO NUTRIENTS, SEED INPUT, AND DISTURBANCE. Ecology, 2005, 86, 476-486. | 1.5 | 131 |
| 27 | Effects of a native crayfish (Orconectes virilis) on the reproductive success and nesting behavior of sunfish (Lepomis spp.). Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 2135-2143. | 0.7 | 48 |
| 28 | Planktonic biodiversity: Scaling up and down. Limnology and Oceanography, 2004, 49, 1225-1228. | 1.6 | 1 |
| 29 | Predictions and tests of climate-based hypotheses of broad-scale variation in taxonomic richness. Ecology Letters, 2004, 7, 1121-1134. | 3.0 | 1,011 |
| 30 | The impact of density-independent mortality on species coexistence: an experimental test with zooplankton. Oikos, 2004, 107, 415-421. | 1.2 | 7 |
| 31 | Species loss and the structure and functioning of multitrophic aquatic systems. Oikos, 2004, 104, 467-478. | 1.2 | 218 |
| 32 | Biodiversity and species interactions: extending Lotka-Volterra community theory. Ecology Letters, 2003, 6, 944-952. | 3.0 | 72 |
| 33 | Long-Term and Large-Scale Perspectives on the Relationship between Biodiversity and Ecosystem Functioning. BioScience, 2003, 53, 89. | 2.2 | 156 |
| 34 | ENERGY, WATER, AND BROAD-SCALE GEOGRAPHIC PATTERNS OF SPECIES RICHNESS. Ecology, 2003, 84, 3105-3117. | 1.5 | 1,868 |
| 35 | WHAT IS THE OBSERVED RELATIONSHIP BETWEEN SPECIES RICHNESS AND PRODUCTIVITY? REPLY. Ecology, 2003, 84, 3390-3395. | 1.5 | 36 |
| 36 | ONTOGENETIC NICHE SHIFTS AND FLEXIBLE BEHAVIOR IN SIZE-STRUCTURED POPULATIONS. Ecological Monographs, 2002, 72, 271-292. | 2.4 | 60 |

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|---|---|---|---|
| 37 | Interactions between adult and larval bluegill sunfish: positive and negative effects. Oecologia, 2002, 130, 222-230. | 0.9 | 19 |
| 38 | WHAT IS THE OBSERVED RELATIONSHIP BETWEEN SPECIES RICHNESS AND PRODUCTIVITY?. Ecology, 2001, 82, 2381-2396. | 1.5 | 1,260 |
| 39 | The effects of fish on assemblages of amphibians in ponds: a field experiment. Freshwater Biology, 1999, 41, 829-837. | 1.2 | 82 |
| 40 | The Relationship Between Productivity and Species Richness. Annual Review of Ecology, Evolution, and Systematics, 1999, 30, 257-300. | 6.7 | 1,074 |
| 41 | The ontogeny of piscivory and its ecological consequences. Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 1454-1465. | 0.7 | 453 |
| 42 | Perturbation and Resilience: A Long-Term, Whole-Lake Study of Predator Extinction and Reintroduction. Ecology, 1995, 76, 2347-2360. | 1.5 | 173 |
| 43 | Competition between Predator and Prey: Resource-Based Mechanisms and Implications for Stage-Structured Dynamics. Ecology, 1995, 76, 1758-1771. | 1.5 | 151 |
| 44 | Stage-Structured Interactions in Bluegill: Consequences of Abult Resource Variation. Ecology, 1993, 74, 2381-2394. | 1.5 | 90 |
| 45 | Two-Stage Life Histories in Fish: The Interaction Between Juvenile Competition and Adult Performance. Ecology, 1992, 73, 255-267. | 1.5 | 176 |
| 46 | Effects of Grazer Community Composition and Fish on Algal Dynamics. Canadian Journal of Fisheries and Aquatic Sciences, 1992, 49, 1908-1915. | 0.7 | 24 |
| 47 | Variation in resource abundance affects diet and feeding morphology in the pumpkinseed sunfish (Lepomis gibbosus). Oecologia, 1992, 90, 8-13. | 0.9 | 85 |
| 48 | Stocking Threadfin Shad: Consequences for Young-of-Year Fishes. Transactions of the American Fisheries Society, 1991, 120, 368-381. | 0.6 | 61 |
| 49 | Predator Avoidance and Community Structure: Interactions among Piscivores, Planktivores, and Plankton. Ecology, 1990, 71, 2241-2254. | 1.5 | 272 |
| 50 | Effects of Body Size on the Predatorâ€Prey Interaction Between Pumpkinseed Sunfish and Gastropods. Ecological Monographs, 1989, 59, 405-432. | 2.4 | 227 |
| 51 | Competition Among Refuging Sunfishes and Effects of Fish Density on Littoral Zone Invertebrates. Ecology, 1988, 69, 614-623. | 1.5 | 267 |
| 52 | Growth Patterns in Bluegill (Lepomis macrochirus) and Pumpkinseed (L. gibbosus) Sunfish: Environmental Variation and the Importance of Ontogenetic Niche Shifts. Canadian Journal of Fisheries and Aquatic Sciences, 1988, 45, 17-26. | 0.7 | 149 |
| 53 | Multiple Approaches to Predators and Their Prey. Ecology, 1987, 68, 241-242. | 1.5 | 0 |
| 54 | Predator-mediated habitat use: some consequences for species interactions. Environmental Biology of Fishes, 1986, 16, 159-169. | 0.4 | 124 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Group Size and Feeding Rate in Bluegills. Copeia, 1984, 1984, 998. | 1.4 | 16 |
| 56 | Experimental studies of seed predation in old-fields. Oecologia, 1984, 65, 7-13. | 0.9 | 180 |
| 57 | Predation and Resource Partitioning in Sunfishes. BioScience, 1984, 34, 444-445. | 2.2 | 0 |
| 58 | Predation and Resource Partitioning in Two Sunfishes (Centrarchidae). Ecology, 1984, 65, 499-513. | 1.5 | 308 |
| 59 | Optimal foraging and growth in bluegills. Oecologia, 1983, 59, 157-162. | 0.9 | 74 |
| 60 | Experimental Tests of Optimal Habitat Use in Fish: The Role of Relative Habitat Profitability. Ecology, 1983, 64, 1525-1539. | 1.5 | 355 |
| 61 | An Experimental Test of the Effects of Predation Risk on Habitat Use in Fish. Ecology, 1983, 64, 1540-1548. | 1.5 | 1,351 |
| 62 | The Role of Foraging Profitability and Experience in Habitat Use by the Bluegill Sunfish. Ecology, 1981, 62, 116-125. | 1.5 | 230 |
| 63 | Foraging Efficiency and Body Size: A Study of Optimal Diet and Habitat Use by Bluegills. Ecology, 1981, 62, 1370-1386. | 1.5 | 756 |
| 64 | Patterns of Invertebrate Size and Abundance in Aquatic Habitats. Canadian Journal of Fisheries and Aquatic Sciences, 1981, 38, 896-904. | 0.7 | 80 |