

Michal Bogdziewicz

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,871
citations

218677

26
h-index

315739

38
g-index

78
all docs

78
docs citations

78
times ranked

1506
citing authors

#	ARTICLE	IF	CITATIONS
1	How do vertebrates respond to mast seeding?. <i>Oikos</i> , 2016, 125, 300-307.	2.7	94
2	Climate warming disrupts mast seeding and its fitness benefits in European beech. <i>Nature Plants</i> , 2020, 6, 88-94.	9.3	86
3	Advantages of masting in European beech: timing of granivore satiation and benefits of seed caching support the predator dispersal hypothesis. <i>Oecologia</i> , 2016, 180, 749-758.	2.0	69
4	From theory to experiments for testing the proximate mechanisms of mast seeding: an agenda for an experimental ecology. <i>Ecology Letters</i> , 2020, 23, 210-220.	6.4	64
5	Masting in wind-pollinated trees: system-specific roles of weather and pollination dynamics in driving seed production. <i>Ecology</i> , 2017, 98, 2615-2625.	3.2	60
6	Effects of nitrogen deposition on reproduction in a masting tree: benefits of higher seed production are trumped by negative biotic interactions. <i>Journal of Ecology</i> , 2017, 105, 310-320.	4.0	59
7	Correlated seed failure as an environmental veto to synchronize reproduction of masting plants. <i>New Phytologist</i> , 2018, 219, 98-108.	7.3	56
8	Seed size predicts global effects of small mammal seed predation on plant recruitment. <i>Ecology Letters</i> , 2020, 23, 1024-1033.	6.4	54
9	Nutrient scarcity as a selective pressure for mast seeding. <i>Nature Plants</i> , 2019, 5, 1222-1228.	9.3	53
10	The Moran effect and environmental vetoes: phenological synchrony and drought drive seed production in a Mediterranean oak. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171784.	2.6	49
11	Investigating the relationship between climate, stand age, and temporal trends in masting behavior of European forest trees. <i>Global Change Biology</i> , 2020, 26, 1654-1667.	9.5	48
12	Continent-wide tree fecundity driven by indirect climate effects. <i>Nature Communications</i> , 2021, 12, 1242.	12.8	46
13	Responses of small mammals to clear-cutting in temperate and boreal forests of Europe: a meta-analysis and review. <i>European Journal of Forest Research</i> , 2014, 133, 1-11.	2.5	45
14	Diet composition of the Eurasian otter <i>Lutra lutra</i> in different freshwater habitats of temperate Europe: a review and meta-analysis. <i>Mammal Review</i> , 2016, 46, 106-113.	4.8	44
15	Is there tree senescence? The fecundity evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	42
16	Effectiveness of predator satiation in masting oaks is negatively affected by conspecific density. <i>Oecologia</i> , 2018, 186, 983-993.	2.0	40
17	Beech masting modifies the response of rodents to forest management. <i>Forest Ecology and Management</i> , 2016, 359, 268-276.	3.2	36
18	The ecology and evolution of synchronized reproduction in long-lived plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200369.	4.0	36

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19	It is raining mice and voles: which weather conditions influence the activity of <i>Apodemus flavicollis</i> and <i>Myodes glareolus</i> ?. <i>European Journal of Wildlife Research</i> , 2015, 61, 475-478.	1.4	35
20	Do benefits of seed dispersal and caching by scatterhoarders outweigh the costs of predation? An example with oaks and yellow-necked mice. <i>Journal of Ecology</i> , 2020, 108, 1009-1018.	4.0	34
21	Climate change and plant reproduction: trends and drivers of mast seeding change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200379.	4.0	33
22	The effects of local climate on the correlation between weather and seed production differ in two species with contrasting masting habit. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 109-115.	4.8	31
23	Climate Change Strengthens Selection for Mast Seeding in European Beech. <i>Current Biology</i> , 2020, 30, 3477-3483.e2.	3.9	31
24	Flowering synchrony drives reproductive success in a wind-pollinated tree. <i>Ecology Letters</i> , 2020, 23, 1820-1826.	6.4	31
25	Rapid aggregative and reproductive responses of weevils to masting of North American oaks counteract predator satiation. <i>Ecology</i> , 2018, 99, 2575-2582.	3.2	30
26	Climate warming causes mast seeding to break down by reducing sensitivity to weather cues. <i>Global Change Biology</i> , 2021, 27, 1952-1961.	9.5	29
27	Global patterns in the predator satiation effect of masting: A meta-analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2105655119.	7.1	29
28	Does masting scale with plant size? High reproductive variability and low synchrony in small and unproductive individuals. <i>Annals of Botany</i> , 2020, 126, 971-979.	2.9	28
29	Seed predation selects for reproductive variability and synchrony in perennial plants. <i>New Phytologist</i> , 2021, 229, 2357-2364.	7.3	27
30	North American tree migration paced by climate in the West, lagging in the East. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	27
31	Sex differences in flea infections among rodent hosts: is there a male bias?. <i>Parasitology Research</i> , 2015, 114, 337-341.	1.6	26
32	Snapshot of micro-animals and associated biotic and abiotic environmental variables on the edge of the south-west Greenland ice sheet. <i>Limnology</i> , 2018, 19, 141-150.	1.5	26
33	Invasive oaks escape pre-dispersal insect seed predation and trap enemies in their seeds. <i>Integrative Zoology</i> , 2018, 13, 228-237.	2.6	25
34	How will global change affect plant reproduction? A framework for mast seeding trends. <i>New Phytologist</i> , 2022, 234, 14-20.	7.3	25
35	Consumer-mediated indirect interaction with a native plant lowers the fitness of an invasive competitor. <i>Journal of Ecology</i> , 2019, 107, 12-22.	4.0	23
36	Environmental Veto Synchronizes Mast Seeding in Four Contrasting Tree Species. <i>American Naturalist</i> , 2019, 194, 246-259.	2.1	23

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37	Oak acorn crop and Google search volume predict Lyme disease risk in temperate Europe. <i>Basic and Applied Ecology</i> , 2016, 17, 300-307.	2.7	22
38	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery. <i>Nature Communications</i> , 2022, 13, 2381.	12.8	21
39	Is forest fecundity resistant to drought? Results from an 18-yr rainfall-reduction experiment. <i>New Phytologist</i> , 2020, 227, 1073-1080.	7.3	19
40	Environmental variation drives continental-scale synchrony of European beech reproduction. <i>Ecology</i> , 2021, 102, e03384.	3.2	19
41	MASTREE+: Time-series of plant reproductive effort from six continents. <i>Global Change Biology</i> , 2022, 28, 3066-3082.	9.5	19
42	Increased temperature delays the late-season phenology of multivoltine insect. <i>Scientific Reports</i> , 2016, 6, 38022.	3.3	18
43	Negative effects of density on space use of small mammals differ with the phase of the masting-induced population cycle. <i>Ecology and Evolution</i> , 2016, 6, 8423-8430.	1.9	16
44	Nature beyond Linearity: Meteorological Variability and Jensen's Inequality Can Explain Mast Seeding Behavior. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	13
45	Where can palatable young trees escape herbivore pressure in a protected forest?. <i>Forest Ecology and Management</i> , 2020, 472, 118221.	3.2	13
46	Diet of the American mink <i>Neovison vison</i> in an agricultural landscape in western Poland. <i>Folia Zoologica</i> , 2013, 62, 304-310.	0.9	12
47	What drives phenological synchrony? Warm springs advance and desynchronize flowering in oaks. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108140.	4.8	12
48	Fine-scale spatial heterogeneity of invertebrates within cryoconite holes. <i>Aquatic Ecology</i> , 2019, 53, 179-190.	1.5	11
49	Macroevolutionary consequences of mast seeding. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200372.	4.0	11
50	Costs and benefits of masting: economies of scale are not reduced by negative density-dependence in seedling survival in <i>Sorbus aucuparia</i> . <i>New Phytologist</i> , 2022, 233, 1931-1938.	7.3	11
51	Globally, tree fecundity exceeds productivity gradients. <i>Ecology Letters</i> , 2022, 25, 1471-1482.	6.4	11
52	Simultaneous population fluctuations of rodents in montane forests and alpine meadows suggest indirect effects of tree masting. <i>Journal of Mammalogy</i> , 2018, 99, 586-595.	1.3	10
53	Seabirds modify trophic groups, while altitude promotes xeric-tolerant species of Tardigrada in the high Arctic tundra (Svalbard archipelago). <i>Acta Oecologica</i> , 2019, 98, 50-58.	1.1	10
54	Declining fruit production before death in a widely distributed tree species, <i>Sorbus aucuparia</i> L.. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.0	10

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55	Tolerance to seed predation mediated by seed size increases at lower latitudes in a Mediterranean oak. <i>Annals of Botany</i> , 2019, 123, 707-714.	2.9	10
56	Differentiation of flea communities infesting small mammals across selected habitats of the Baltic coast, central lowlands, and southern mountains of Poland. <i>Parasitology Research</i> , 2014, 113, 1725-1734.	1.6	9
57	Leaf phenology correlates with fruit production in European beech (<i>Fagus sylvatica</i>) and in temperate oaks (<i>Quercus robur</i> and <i>Quercus petraea</i>). <i>European Journal of Forest Research</i> , 2021, 140, 733-744.	2.5	8
58	Herbivory on the pedunculate oak along an urbanization gradient in Europe: Effects of impervious surface, local tree cover, and insect feeding guild. <i>Ecology and Evolution</i> , 2022, 12, e8709.	1.9	8
59	Avian dispersal of an invasive oak is modulated by acorn traits and the presence of a native oak. <i>Forest Ecology and Management</i> , 2022, 505, 119866.	3.2	7
60	Masting increases seedling recruitment near and far: Predator satiation and improved dispersal in a fleshy-fruited tree. <i>Journal of Ecology</i> , 2022, 110, 2321-2331.	4.0	7
61	Rainfall and host reproduction regulate population dynamics of a specialist seed predator. <i>Ecological Entomology</i> , 2020, 45, 26-35.	2.2	6
62	On the need to evaluate costs and benefits of synzoochory for plant populations. <i>Journal of Ecology</i> , 2020, 108, 1784-1788.	4.0	6
63	Reply to: Nutrient scarcity cannot cause mast seeding. <i>Nature Plants</i> , 2020, 6, 763-765.	9.3	6
64	Emerging infectious disease triggered a trophic cascade and enhanced recruitment of a masting tree. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212636.	2.6	4
65	Tick distribution along animal tracks: implication for preventative medicine. <i>Annals of Agricultural and Environmental Medicine</i> , 2018, 25, 360-363.	1.0	2
66	Nutrients control reproductive traits of hygrophytic bryophytes. <i>Freshwater Biology</i> , 2021, 66, 1436-1446.	2.4	1
67	Microsite-specific 25-year mortality of Norway spruce saplings. <i>Forest Ecology and Management</i> , 2021, 498, 119572.	3.2	1
68	Seed predator effects on plants: Moving beyond time-corrected proxies. <i>Ecology Letters</i> , 2021, 24, 1526-1529.	6.4	0
69	Maladaptive host choice by an alien leaf miner <i>Phyllonorycter leucographella</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 318-325.	1.2	0