

Pavel Kratina

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,752
citations

257101

24
h-index

197535

49
g-index

64
all docs

64
docs citations

64
times ranked

4036
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet tracing in ecology: Method comparison and selection. <i>Methods in Ecology and Evolution</i> , 2018, 9, 278-291.	2.2	320
2	A bioenergetic framework for the temperature dependence of trophic interactions. <i>Ecology Letters</i> , 2014, 17, 902-914.	3.0	268
3	Warming shifts top-down and bottom-up control of pond food web structure and function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3008-3017.	1.8	247
4	Warming modifies trophic cascades and eutrophication in experimental freshwater communities. <i>Ecology</i> , 2012, 93, 1421-1430.	1.5	224
5	Warming, eutrophication, and predator loss amplify subsidies between aquatic and terrestrial ecosystems. <i>Global Change Biology</i> , 2012, 18, 504-514.	4.2	138
6	Functional responses modified by predator density. <i>Oecologia</i> , 2009, 159, 425-433.	0.9	124
7	The Body Size Dependence of Trophic Cascades. <i>American Naturalist</i> , 2015, 185, 354-366.	1.0	110
8	Stability and persistence of food webs with omnivory: Is there a general pattern?. <i>Ecosphere</i> , 2012, 3, 1-18.	1.0	94
9	Predator-induced reduction of freshwater carbon dioxide emissions. <i>Nature Geoscience</i> , 2013, 6, 191-194.	5.4	84
10	The intrinsic predictability of ecological time series and its potential to guide forecasting. <i>Ecological Monographs</i> , 2019, 89, e01359.	2.4	74
11	INTRAGUILD PREDATION DRIVES EVOLUTIONARY NICHE SHIFT IN THREESPINE STICKLEBACK. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1819-1832.	1.1	68
12	Dominant predators mediate the impact of habitat size on trophic structure in bromeliad invertebrate communities. <i>Ecology</i> , 2015, 96, 428-439.	1.5	68
13	SPECIES DIVERSITY MODULATES PREDATION. <i>Ecology</i> , 2007, 88, 1917-1923.	1.5	67
14	Global predation pressure redistribution under future climate change. <i>Nature Climate Change</i> , 2018, 8, 1087-1091.	8.1	53
15	Synchronous dynamics of zooplankton competitors prevail in temperate lake ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140633.	1.2	50
16	Interactive effects of warming and microplastics on metabolism but not feeding rates of a key freshwater detritivore. <i>Environmental Pollution</i> , 2019, 255, 113259.	3.7	44
17	Constraints on the functional trait space of aquatic invertebrates in bromeliads. <i>Functional Ecology</i> , 2018, 32, 2435-2447.	1.7	41
18	Land use alters trophic redundancy and resource flow through stream food webs. <i>Journal of Animal Ecology</i> , 2019, 88, 677-689.	1.3	40

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19	Ecosystem services provided by bromeliad plants: A systematic review. <i>Ecology and Evolution</i> , 2019, 9, 7360-7372.	0.8	37
20	Food web persistence is enhanced by non-trophic interactions. <i>Oecologia</i> , 2015, 178, 549-556.	0.9	36
21	Temperature-mediated changes in zooplankton body size: large scale temporal and spatial analysis. <i>Ecography</i> , 2020, 43, 581-590.	2.1	36
22	Extreme rainfall events alter the trophic structure in bromeliad tanks across the Neotropics. <i>Nature Communications</i> , 2020, 11, 3215.	5.8	33
23	The evolution of competitive ability for essential resources. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190247.	1.8	32
24	Landscape heterogeneity strengthens the relationship between β -diversity and ecosystem function. <i>Ecology</i> , 2018, 99, 2467-2475.	1.5	28
25	Food web complexity and stability across habitat connectivity gradients. <i>Oecologia</i> , 2014, 176, 903-915.	0.9	27
26	Stronger inducible defences enhance persistence of intraguild prey. <i>Journal of Animal Ecology</i> , 2010, 79, 993-999.	1.3	24
27	Dome patterns in pelagic size spectra reveal strong trophic cascades. <i>Nature Communications</i> , 2019, 10, 4396.	5.8	23
28	Pervasive decline of subtropical aquatic insects over 20 years driven by water transparency, non-native fish and stoichiometric imbalance. <i>Biology Letters</i> , 2021, 17, 20210137.	1.0	23
29	Human-induced biotic invasions and changes in plankton interaction networks. <i>Journal of Applied Ecology</i> , 2014, 51, 1066-1074.	1.9	19
30	Environmental control of the microfaunal community structure in tropical bromeliads. <i>Ecology and Evolution</i> , 2017, 7, 1627-1634.	0.8	19
31	Precise time interactions between behavioural and morphological defences. <i>Oikos</i> , 2010, 119, 494-499.	1.2	18
32	Temperature-dependence of minimum resource requirements alters competitive hierarchies in phytoplankton. <i>Oikos</i> , 2019, 128, 1194-1205.	1.2	18
33	Predation increases multiple components of microbial diversity in activated sludge communities. <i>ISME Journal</i> , 2022, 16, 1086-1094.	4.4	18
34	A Metabolic Perspective of Stochastic Community Assembly. <i>Trends in Ecology and Evolution</i> , 2021, 36, 280-283.	4.2	17
35	Non-lethal presence of predators modifies morphology and movement rates in Euplotes. <i>Hydrobiologia</i> , 2009, 621, 183-189.	1.0	16
36	Body size and shape responses to warming and resource competition. <i>Functional Ecology</i> , 2021, 35, 1460-1469.	1.7	16

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37	A Replicated Network Approach to "Big Data"™ in Ecology. <i>Advances in Ecological Research</i> , 2018, 59, 225-264.	1.4	15
38	Is dispersal limitation more prevalent in the ocean?. <i>Oikos</i> , 2013, 122, 298-300.	1.2	14
39	Species niches, not traits, determine abundance and occupancy patterns: A multi-site synthesis. <i>Global Ecology and Biogeography</i> , 2020, 29, 295-308.	2.7	13
40	Seasonal feeding plasticity can facilitate coexistence of dominant omnivores in Neotropical streams. <i>Reviews in Fish Biology and Fisheries</i> , 2021, 31, 417-432.	2.4	13
41	Climate variability and aridity modulate the role of leaf shelters for arthropods: A global experiment. <i>Global Change Biology</i> , 2022, 28, 3694-3710.	4.2	12
42	Forest conversion to oil palm compresses food chain length in tropical streams. <i>Ecology</i> , 2021, 102, e03199.	1.5	11
43	Warming of aquatic ecosystems disrupts aquatic-terrestrial linkages in the tropics. <i>Journal of Animal Ecology</i> , 2021, 90, 1623-1634.	1.3	11
44	Resources Alter the Structure and Increase Stochasticity in Bromeliad Microfauna Communities. <i>PLoS ONE</i> , 2015, 10, e0118952.	1.1	10
45	Warming alters food web-driven changes in the CO ₂ flux of experimental pond ecosystems. <i>Biology Letters</i> , 2015, 11, 20150785.	1.0	10
46	Biotic invasions can alter nutritional composition of zooplankton communities. <i>Oikos</i> , 2015, 124, 1337-1345.	1.2	10
47	The riverine bioreactor: An integrative perspective on biological decomposition of organic matter across riverine habitats. <i>Science of the Total Environment</i> , 2021, 772, 145494.	3.9	10
48	Food consumption of the invasive amphipod <i>Dikerogammarus villosus</i> in field mesocosms and its effects on leaf decomposition and periphyton. <i>Aquatic Invasions</i> , 2018, 13, 261-275.	0.6	10
49	Do microplastics mediate the effects of chemicals on aquatic organisms?. <i>Aquatic Toxicology</i> , 2022, 242, 106037.	1.9	10
50	Regime shifts in a shallow lake over 12 years: Consequences for taxonomic and functional diversities, and ecosystem multifunctionality. <i>Journal of Animal Ecology</i> , 2021, . .	1.3	9
51	Above parr: Lowland river habitat characteristics associated with higher juvenile Atlantic salmon (<i>Salmo trutta</i>) survival. <i>Journal of Animal Ecology</i> , 2021, 90, 1623-1634.	0.7	9
52	High summer macrophyte cover increases abundance, growth, and feeding of juvenile Atlantic salmon. <i>Ecological Applications</i> , 2022, 32, e02492.	1.8	8
53	The Combined Effects of Warming and Body Size on the Stability of Predator-Prey Interactions. <i>Frontiers in Ecology and Evolution</i> , 2022, 9, .	1.1	7
54	Diversity and temperature indirectly reduce CO ₂ concentrations in experimental freshwater communities. <i>Oecologia</i> , 2020, 192, 515-527.	0.9	4

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55	Climate influences the response of community functional traits to local conditions in bromeliad invertebrate communities. <i>Ecography</i> , 2021, 44, 440-452.	2.1	4
56	Subtle structures with not so subtle functions: A data set of arthropod constructs and their host plants. <i>Ecology</i> , 2022, 103, e3639.	1.5	2
57	Geographical variation in the trait-based assembly patterns of multitrophic invertebrate communities. <i>Functional Ecology</i> , 2023, 37, 73-86.	1.7	2
58	Forest Conversion to Oil Palm Compresses Food Chain Length in Tropical Streams. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01826.	0.2	0
59	Selective Logging Shows No Impact on the Dietary Breadth of a Generalist Bat Species: The Fawn Leaf-Nosed Bat (<i>Hipposideros cervinus</i>). <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	0