

Alexey B Ryabov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

854
citations

759233

12
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

1645
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence patterns and diversity in a trait-based metacommunity on an environmental gradient. <i>Theoretical Ecology</i> , 2022, 15, 51-63.	1.0	0
2	Temporal declines in Wadden Sea phytoplankton cell volumes observed within and across species. <i>Limnology and Oceanography</i> , 2022, 67, 468-481.	3.1	4
3	Cell size as driver and sentinel of phytoplankton community structure and functioning. <i>Functional Ecology</i> , 2022, 36, 276-293.	3.6	32
4	Shape matters: the relationship between cell geometry and diversity in phytoplankton. <i>Ecology Letters</i> , 2021, 24, 847-861.	6.4	50
5	Resource competition and species coexistence in a two-patch metaecosystem model. <i>Theoretical Ecology</i> , 2020, 13, 209-221.	1.0	2
6	Scaling of size, shape and surface roughness in Antarctic krill swarms. <i>ICES Journal of Marine Science</i> , 2019, 76, 1177-1188.	2.5	1
7	Length–volume relationship of lake phytoplankton. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 58-68.	2.0	5
8	Biodiversity change is uncoupled from species richness trends: Consequences for conservation and monitoring. <i>Journal of Applied Ecology</i> , 2018, 55, 169-184.	4.0	435
9	Stochastic effects in mean-field population growth: The quasi-Gaussian approximation to the case of a Taylor’s law-distributed substrate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 511, 166-173.	2.6	2
10	Determining Selection across Heterogeneous Landscapes: A Perturbation-Based Method and Its Application to Modeling Evolution in Space. <i>American Naturalist</i> , 2017, 189, 381-395.	2.1	19
11	Competition-induced starvation drives large-scale population cycles in Antarctic krill. <i>Nature Ecology and Evolution</i> , 2017, 1, 0177.	7.8	39
12	Environmental and trait variability constrain community structure and the biodiversity–productivity relationship. <i>Ecology</i> , 2016, 97, 1463-1474.	3.2	53
13	Unifying ecological stoichiometry and metabolic theory to predict production and trophic transfer in a marine planktonic food web. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150270.	4.0	22
14	Imperfect prey selectivity of predators promotes biodiversity and irregularity in food webs. <i>Ecology Letters</i> , 2015, 18, 1262-1269.	6.4	23
15	Depth of the Biomass Maximum Affects the Rules of Resource Competition in a Water Column. <i>American Naturalist</i> , 2014, 184, E132-E146.	2.1	8
16	The role of dissipation in time-dependent non-integrable focusing billiards. <i>Chaos</i> , 2012, 22, 026121.	2.5	3
17	Phytoplankton competition in deep biomass maximum. <i>Theoretical Ecology</i> , 2012, 5, 373-385.	1.0	13
18	A graphical theory of competition on spatial resource gradients. <i>Ecology Letters</i> , 2011, 14, 220-228.	6.4	42

#	ARTICLE	IF	CITATIONS
19	Changes in the Gradient Percolation Transition Caused by an Allee Effect. Physical Review Letters, 2011, 106, 128103.	7.8	13
20	Vertical distribution and composition of phytoplankton under the influence of an upper mixed layer. Journal of Theoretical Biology, 2010, 263, 120-133.	1.7	86