

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	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
2	Vertical distribution and composition of phytoplankton under the influence of an upper mixed layer. <i>Journal of Theoretical Biology</i> , 2010, 263, 120-133.	1.7	86
3	Environmental and trait variability constrain community structure and the biodiversity-productivity relationship. <i>Ecology</i> , 2016, 97, 1463-1474.	3.2	53
4	Shape matters: the relationship between cell geometry and diversity in phytoplankton. <i>Ecology Letters</i> , 2021, 24, 847-861.	6.4	50
5	A graphical theory of competition on spatial resource gradients. <i>Ecology Letters</i> , 2011, 14, 220-228.	6.4	42
6	Competition-induced starvation drives large-scale population cycles in Antarctic krill. <i>Nature Ecology and Evolution</i> , 2017, 1, 0177.	7.8	39
7	Cell size as driver and sentinel of phytoplankton community structure and functioning. <i>Functional Ecology</i> , 2022, 36, 276-293.	3.6	32
8	Imperfect prey selectivity of predators promotes biodiversity and irregularity in food webs. <i>Ecology Letters</i> , 2015, 18, 1262-1269.	6.4	23
9	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
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	Changes in the Gradient Percolation Transition Caused by an Allee Effect. <i>Physical Review Letters</i> , 2011, 106, 128103.	7.8	13
12	Phytoplankton competition in deep biomass maximum. <i>Theoretical Ecology</i> , 2012, 5, 373-385.	1.0	13
13	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
14	Length-volume relationship of lake phytoplankton. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 58-68.	2.0	5
15	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
16	The role of dissipation in time-dependent non-integrable focusing billiards. <i>Chaos</i> , 2012, 22, 026121.	2.5	3
17	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
18	Resource competition and species coexistence in a two-patch metaecosystem model. <i>Theoretical Ecology</i> , 2020, 13, 209-221.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Scaling of size, shape and surface roughness in Antarctic krill swarms. ICES Journal of Marine Science, 2019, 76, 1177-1188.	2.5	1
20	Coexistence patterns and diversity in a trait-based metacommunity on an environmental gradient. Theoretical Ecology, 2022, 15, 51-63.	1.0	0