

Dmitrii O Logofet

List of Publications by Year in descending order

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42
papers

1,219
citations

516710

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44
docs citations

44
times ranked

1343
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential-Growth Indicators Revisited: Higher Generality and Wider Merit of Indication. Mathematics, 2021, 9, 1649.	2.2	2
2	Realistic Choice of Annual Matrices Contracts the Range of $\hat{\lambda}_S$ Estimates under Reproductive Uncertainty Too. Mathematics, 2021, 9, 3007.	2.2	0
3	Bilberry vs. cowberry in a Scots pine boreal forest: III. Another forest, another method, and similar conclusions. Ecological Modelling, 2020, 431, 109193.	2.5	3
4	Realistic Choice of Annual Matrices Contracts the Range of $\hat{\lambda}_S$ Estimates. Mathematics, 2020, 8, 2252.	2.2	4
5	Seed bank as a persistent problem in matrix population models: From uncertainty to certain bounds. Ecological Modelling, 2020, 438, 109284.	2.5	6
6	Does averaging overestimate or underestimate population growth? It depends. Ecological Modelling, 2019, 411, 108744.	2.5	9
7	Bilberry vs. cowberry in a Scots pine boreal forest: Exclusion or coexistence in a post-fire succession?. Ecological Modelling, 2019, 401, 134-143.	2.5	7
8	Bilberry vs. cowberry in a scots pine boreal forest. II. Alternate modes of prediction. Ecological Modelling, 2019, 405, 43-50.	2.5	3
9	Polyvariant Ontogeny in Plants: When the Second Eigenvalue Plays a Primary Role. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2019, , 111-130.	0.0	1
10	Averaging the population projection matrices: Heuristics against uncertainty and nonexistence. Ecological Complexity, 2018, 33, 66-74.	2.9	12
11	Aggregation may or may not eliminate reproductive uncertainty. Ecological Modelling, 2017, 363, 187-191.	2.5	5
12	Estimating the fitness of a local discrete-structured population: From uncertainty to an exact number. Ecological Modelling, 2016, 329, 112-120.	2.5	6
13	Selection on stability across ecological scales. Trends in Ecology and Evolution, 2015, 30, 417-425.	8.7	86
14	Finite 2D lattice digraphs as the life cycle graphs of clonal plant species: The reproduction core and reproductive uncertainty. , 2015, , .		1
15	Adaptation on the ground and beneath: does the local population maximize its $\hat{\lambda}_S$? Ecological Complexity, 2014, 20, 176-184.	2.9	16
16	Rank-One Corrections of Nonnegative Matrices, With an Application to Matrix Population Models. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 749-764.	1.4	17
17	Projection matrices revisited: a potential-growth indicator and the merit of indication. Journal of Mathematical Sciences, 2013, 193, 671-686.	0.4	24
18	Calamagrostis model revisited: Matrix calibration as a constraint maximization problem. Ecological Modelling, 2013, 254, 71-79.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Projection matrices in variable environments: $\hat{\lambda} > 1$ in theory and practice. <i>Ecological Modelling</i> , 2013, 251, 307-311.	2.5	30
20	Complexity in matrix population models: Polyvariant ontogeny and reproductive uncertainty. <i>Ecological Complexity</i> , 2013, 15, 43-51.	2.9	17
21	Nonnegative matrices as a tool to model population dynamics: Classical models and contemporary expansions. <i>Journal of Mathematical Sciences</i> , 2008, 155, 894-907.	0.4	26
22	Convexity in projection matrices: Projection to a calibration problem. <i>Ecological Modelling</i> , 2008, 216, 217-228.	2.5	36
23	Competition between and within aspen (<i>populus tremula</i>) and raspberry (<i>rubus idaeus</i>) after clear-cutting: Matrix models of structured populations dynamics. <i>Forest Science and Technology</i> , 2007, 3, 68-77.	0.8	2
24	Structure and dynamics of a clonal plant population: Classical model results in a non-classic formulation. <i>Ecological Modelling</i> , 2006, 192, 95-106.	2.5	20
25	Stronger-than-Lyapunov notions of matrix stability, or how 'flowers' help solve problems in mathematical ecology. <i>Linear Algebra and Its Applications</i> , 2005, 398, 75-100.	0.9	47
26	The monoculture vs. rotation strategies in forestry: formalization and prediction by means of Markov-chain modelling. <i>Journal of Environmental Management</i> , 2005, 77, 111-121.	7.8	7
27	Interaction strengths in food webs: issues and opportunities. <i>Journal of Animal Ecology</i> , 2004, 73, 585-598.	2.8	557
28	Markov chain models for forest successions in the Erzgebirge, Germany. <i>Ecological Modelling</i> , 2003, 159, 145-160.	2.5	21
29	'Hybrid' optimisation: a heuristic solution to the Markov-chain calibration problem. <i>Ecological Modelling</i> , 2002, 151, 51-61.	2.5	18
30	Succession in mixed boreal forest of Russia: Markov models and non-Markov effects. <i>Ecological Modelling</i> , 2001, 142, 25-38.	2.5	34
31	The mathematics of Markov models: what Markov chains can really predict in forest successions. <i>Ecological Modelling</i> , 2000, 126, 285-298.	2.5	107
32	Svicobians of the compartment models and DaD-stability of the Svicobians: aggregating '0-dimensional' models of global biogeochemical cycles. <i>Ecological Modelling</i> , 1997, 104, 39-49.	2.5	9
33	Why are the middle points the most 'sensitive' in the sensitivity experiments?. <i>Ecological Modelling</i> , 1997, 104, 303-306.	2.5	4
34	Leslie model revisited: some generalizations to block structures. <i>Ecological Modelling</i> , 1989, 48, 277-290.	2.5	17
35	Interference Between Mosses and Trees in the Framework of a Dynamic Model of Carbon and Nitrogen Cycling in a Mesotrophic Bog Ecosystem. <i>Developments in Environmental Modelling</i> , 1988, 12, 55-66.	0.3	1
36	Averaging and aggregation in ecological models: An attempt at a non-linear approach. <i>Ecological Modelling</i> , 1986, 34, 217-229.	2.5	6

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37	Mathematical ecology: Forecast, assessment and optimization of impacts on natural ecosystems. Annual Review in Automatic Programming, 1985, 12, 114-124.	0.2	0
38	Modelling of matter cycle in a mesotrophic bog ecosystem I. Linear analysis of carbon environs. Ecological Modelling, 1984, 21, 247-258.	2.5	11
39	Modelling of matter cycle in a mesotrophic bog ecosystem II. Dynamic model and ecological succession. Ecological Modelling, 1984, 21, 259-276.	2.5	14
40	Sign stability in model ecosystems: A complete class of sign-stable patterns. Ecological Modelling, 1982, 16, 173-189.	2.5	12
41	On the algorithmic congruence of a difference model and a differential one. Ecological Modelling, 1981, 12, 297-299.	2.5	0
42	The model for human population dynamics as a part of the global biosphere model: Some aspects of modelling in a dialogue regime. Ecological Modelling, 1980, 9, 269-280.	2.5	3