Kalle Parvinen

List of Publications by Year
in descending order

39	1,174	471509 17	395702 33
papers	citations	h-index	g-index

43	43	43	706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolutionary suicide and evolution of dispersal in structured metapopulations. Journal of Mathematical Biology, 2002, 45, 79-105.	1.9	127
2	Necessary and Sufficient Conditions for Evolutionary Suicide. Bulletin of Mathematical Biology, 2001, 63, 981-993.	1.9	121
3	Evolutionary suicide. Acta Biotheoretica, 2005, 53, 241-264.	1.5	117
4	Evolution of dispersal in metapopulations with local density dependence and demographic stochasticity. Journal of Evolutionary Biology, 2003, 16, 143-153.	1.7	82
5	Evolution of Migration in a Metapopulation. Bulletin of Mathematical Biology, 1999, 61, 531-550.	1.9	68
6	Evolutionary branching of dispersal strategies in structured metapopulations. Journal of Mathematical Biology, 2002, 45, 106-124.	1.9	68
7	The adaptive dynamics of function-valued traits. Journal of Theoretical Biology, 2006, 241, 370-389.	1.7	67
8	Joint evolution of specialization and dispersal in structured metapopulations. Journal of Theoretical Biology, 2011, 275, 78-92.	1.7	44
9	Function-valued adaptive dynamics and the calculus of variations. Journal of Mathematical Biology, 2006, 52, 1-26.	1.9	43
10	Dispersal and the evolution of specialisation in a two-habitat type metapopulation. Theoretical Population Biology, 2004, 66, 233-248.	1.1	39
11	A novel fitness proxy in structured locally finite metapopulations with diploid genetics, with an application to dispersal evolution. Theoretical Population Biology, 2008, 73, 517-528.	1.1	38
12	Evolution of Dispersal in a Structured Metapopulation Model in Discrete Time. Bulletin of Mathematical Biology, 2006, 68, 655-678.	1.9	35
13	On the evolution of specialization with a mechanistic underpinning in structured metapopulations. Theoretical Population Biology, 2008, 73, 222-243.	1.1	32
14	On the mechanistic underpinning of discrete-time population models with Allee effect. Theoretical Population Biology, 2007, 72, 41-51.	1.1	25
15	Function-valued adaptive dynamics and optimal control theory. Journal of Mathematical Biology, 2013, 67, 509-533.	1.9	23
16	Adaptive dynamics of cooperation may prevent the coexistence of defectors and cooperators and even cause extinction. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2493-2501.	2.6	22
17	Joint evolution of altruistic cooperation and dispersal in a metapopulation of small local populations. Theoretical Population Biology, 2013, 85, 12-19.	1.1	22
18	Self-extinction through optimizing selection. Journal of Theoretical Biology, 2013, 333, 1-9.	1.7	22

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19	Evolution of dispersal in a spatially heterogeneous population with finite patch sizes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7290-7295.	7.1	19
20	Adaptive Dynamics of Altruistic Cooperation inÂaÂMetapopulation: Evolutionary Emergence ofÂCooperators and Defectors or Evolutionary Suicide?. Bulletin of Mathematical Biology, 2011, 73, 2605-2626.	1.9	18
21	A spatial bioeconomic model of the harvest of wild plants and animals. Ecological Economics, 2015, 116, 201-210.	5.7	15
22	Evolution of Complex Density-Dependent Dispersal Strategies. Bulletin of Mathematical Biology, 2012, 74, 2622-49.	1.9	13
23	The Allee Effect in Mechanistic Models Based onÂInter-individual Interaction Processes. Bulletin of Mathematical Biology, 2010, 72, 184-207.	1.9	12
24	The effect of fecundity derivatives on the condition of evolutionary branching in spatial models. Journal of Theoretical Biology, 2017, 416, 129-143.	1.7	11
25	The components of directional and disruptive selection in heterogeneous group-structured populations. Journal of Theoretical Biology, 2020, 507, 110449.	1.7	11
26	Evolution of Reproduction Periods in Seasonal Environments. American Naturalist, 2020, 196, E88-E109.	2.1	11
27	Evolution of specialization under non-equilibrium population dynamics. Journal of Theoretical Biology, 2013, 321, 63-77.	1.7	9
28	Spatial heterogeneity and evolution of fecundity-affecting traits. Journal of Theoretical Biology, 2018, 454, 190-204.	1.7	9
29	Evolutionary suicide as a consequence of runaway selection for greater aggregation tendency. Journal of Theoretical Biology, 2013, 317, 96-104.	1.7	8
30	Evolution of specialization in resource utilization in structured metapopulations. Journal of Biological Dynamics, 2008, 2, 297-322.	1.7	7
31	Consequences of asymmetric competition between resident and invasive defoliators: A novel empirically based modelling approach. Theoretical Population Biology, 2014, 92, 107-117.	1.1	6
32	Evolution of Site-Selection Stabilizes Population Dynamics, Promotes Even Distribution of Individuals, and Occasionally Causes Evolutionary Suicide. Bulletin of Mathematical Biology, 2016, 78, 1749-1772.	1.9	6
33	On fitness in metapopulations that are both size- and stage-structured. Journal of Mathematical Biology, 2016, 73, 903-917.	1.9	4
34	The evolution of site-selection strategy during dispersal. Journal of Theoretical Biology, 2017, 425, 11-22.	1.7	4
35	Modelling of killer T-cell and cancer cell subpopulation dynamics under immuno- and chemotherapies. Journal of Theoretical Biology, 2020, 488, 110136.	1.7	4
36	Joint evolution of dispersal propensity and site selection in structured metapopulation models. Journal of Theoretical Biology, 2018, 444, 50-72.	1.7	3

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37	Evolution of Density-Dependent Cooperation. Bulletin of Mathematical Biology, 2014, 76, 3070-3087.	1.9	2
38	Bioeconomic Modeling of Hunting in a Spatially Structured System With Two Prey Species. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	1
39	Tumor microenvironment as a metapopulation model: The effects of angiogenesis, emigration and treatment modalities. Journal of Theoretical Biology, 2022, 545, 111147.	1.7	1