

Mark Kot

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,859
citations

471509

17
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

2670
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersal Data and the Spread of Invading Organisms. <i>Ecology</i> , 1996, 77, 2027-2042.	3.2	1,212
2	Discrete-time growth-dispersal models. <i>Mathematical Biosciences</i> , 1986, 80, 109-136.	1.9	270
3	Speeds of invasion in a model with strong or weak Allee effects. <i>Mathematical Biosciences</i> , 2001, 171, 83-97.	1.9	224
4	Spreading disease: integro-differential equations old and new. <i>Mathematical Biosciences</i> , 2003, 184, 201-222.	1.9	212
5	Nearly one dimensional dynamics in an epidemic. <i>Journal of Theoretical Biology</i> , 1985, 112, 403-427.	1.7	210
6	Discrete-time travelling waves: Ecological examples. <i>Journal of Mathematical Biology</i> , 1992, 30, 413-36.	1.9	192
7	Integrodifference equations, Allee effects, and invasions. <i>Journal of Mathematical Biology</i> , 2002, 44, 150-168.	1.9	124
8	Invasion speeds in fluctuating environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1603-1610.	2.6	111
9	The subcritical collapse of predator populations in discrete-time predator-prey models. <i>Mathematical Biosciences</i> , 1992, 110, 45-66.	1.9	104
10	Discrete-time growth-dispersal models with shifting species ranges. <i>Theoretical Ecology</i> , 2011, 4, 13-25.	1.0	85
11	Complex dynamics in a model microbial system. <i>Bulletin of Mathematical Biology</i> , 1992, 54, 619-648.	1.9	78
12	COMPARATIVE METHODS AT THE SPECIES LEVEL: GEOGRAPHIC VARIATION IN MORPHOLOGY AND GROUP SIZE IN GREYâ€CROWNED BABBLERS (<i>POMATOSTOMUS TEMPORALIS</i>). <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 1134-1146.	2.3	48
13	Stochasticity, invasions, and branching random walks. <i>Theoretical Population Biology</i> , 2004, 66, 175-184.	1.1	47
14	Keeping Pace with Climate Change: Stage-Structured Moving-Habitat Models. <i>American Naturalist</i> , 2014, 184, 25-37.	2.1	47
15	Diffusion-driven period-doubling bifurcations. <i>BioSystems</i> , 1989, 22, 279-287.	2.0	40
16	Moving forward: insights and applications of moving-habitat models for climate change ecology. <i>Journal of Ecology</i> , 2017, 105, 1169-1181.	4.0	24
17	Life on the Move: Modeling the Effects of Climate-Driven Range Shifts with Integrodifference Equations. <i>Lecture Notes in Mathematics</i> , 2013, , 263-292.	0.2	19
18	Bounds for the critical speed of climate-driven moving-habitat models. <i>Mathematical Biosciences</i> , 2015, 262, 65-72.	1.9	17

#	ARTICLE	IF	CITATIONS
19	Testing a simple stochastic model for the dynamics of waterfowl aggregations. <i>Oecologia</i> , 2001, 128, 608-617.	2.0	16
20	Saddle-Point Approximations, Integro-difference Equations, and Invasions. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 1790-1826.	1.9	11
21	Persistence in a Two-Dimensional Moving-Habitat Model. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 2125-2159.	1.9	11
22	Zipf's law and the diversity of biology newsgroups. <i>Scientometrics</i> , 2003, 56, 247-257.	3.0	10
23	Accelerating invasions and the asymptotics of fat-tailed dispersal. <i>Journal of Theoretical Biology</i> , 2019, 471, 22-41.	1.7	9
24	Rate Estimation for a Simple Movement Model. <i>Bulletin of Mathematical Biology</i> , 2000, 62, 351-375.	1.9	7
25	Investigation of the nonlinear behavior of a partially ionized, turbulent plasma in a magnetic field. <i>Journal of Applied Physics</i> , 1990, 68, 488-499.	2.5	5
26	A comparative analysis of host-parasitoid models with density dependence preceding parasitism. <i>Journal of Biological Dynamics</i> , 2020, 14, 479-514.	1.7	5
27	Torus bubbling in a discrete-time predator-prey model. <i>Journal of Difference Equations and Applications</i> , 2005, 11, 431-441.	1.1	3
28	Dynamics of a discrete-time pioneer-climax model. <i>Theoretical Ecology</i> , 2021, 14, 501.	1.0	2
29	The dynamics of a simple, risk-structured HIV model. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 4184-4209.	1.9	1