Eva Kisdi

List of Publications by Citations

46 papers	**1,623** citations	**19** h-index	**40** g-index
70 ext. papers	**1,822** ext. citations	**2.9** avg, IF	**4.96** L-index

#	Paper	IF	Citations
46	Dynamics of Adaptation and Evolutionary Branching. *Physical Review Letters*, **1997**, 78, 2024-2027	7.4	390
45	Dispersal: risk spreading versus local adaptation. *American Naturalist*, **2002**, 159, 579-96	3.7	172
44	Evolutionary branching under asymmetric competition. *Journal of Theoretical Biology*, **1999**, 197, 149-62	2.3	144
43	On the mechanistic underpinning of discrete-time population models with complex dynamics. *Journal of Theoretical Biology*, **2004**, 228, 261-9	2.3	124
42	ADAPTIVE DYNAMICS IN ALLELE SPACE: EVOLUTION OF GENETIC POLYMORPHISM BY SMALL MUTATIONS IN A HETEROGENEOUS ENVIRONMENT. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 993-1008	3.8	103
41	Epigenetic contribution to covariance between relatives. *Genetics*, **2010**, 184, 1037-50	4	87
40	Adaptive Dynamics in Allele Space: Evolution of Genetic Polymorphism by Small Mutations in a Heterogeneous Environment. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 993	3.8	58
39	Evolutionary branching and long-term coexistence of cycling predators: critical function analysis. *Theoretical Population Biology*, **2007**, 71, 424-35	1.2	47
38	On the coexistence of perennial plants by the competition-colonization trade-off. *American Naturalist*, **2003**, 161, 350-4	3.7	38
37	Adaptive diversification of germination strategies. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 151-5	4.4	35
36	Conditional dispersal under kin competition: extension of the Hamilton-May model to brood size-dependent dispersal. *Theoretical Population Biology*, **2004**, 66, 369-80	1.2	33
35	Evolution of condition-dependent dispersal under kin competition. *Journal of Mathematical Biology*, **2008**, 57, 285-307	2	32
34	Evolutionary branching of virulence in a single-infection model. *Journal of Theoretical Biology*, **2009**, 257, 408-18	2.3	31
33	On the evolutionary dynamics of pathogens with direct and environmental transmission. *Evolution; International Journal of Organic Evolution*, **2012**, 66, 2514-27	3.8	29
32	Density Dependent Life History Evolution in Fluctuating Environments. *Lecture Notes in Biomathematics*, **1993**, 26-62		29
31	Mathematical ecology: why mechanistic models?. *Journal of Mathematical Biology*, **2012**, 65, 1411-5	2	23
30	Individual optimization: Mechanisms shaping the optimal reaction norm. *Evolutionary Ecology*, **1998**, 12, 211-221	1.8	19

29	Evolution of handling time can destroy the coexistence of cycling predators. *Journal of Evolutionary Biology*, **2006**, 19, 49-58	2.3	19
28	Evolutionary disarmament in interspecific competition. *Proceedings of the Royal Society B: Biological Sciences*, **2001**, 268, 2589-94	4.4	19
27	Evolution of dispersal under a fecundity-dispersal trade-off. *Journal of Theoretical Biology*, **2015**, 371, 145-53	2.3	17
26	Evolutionary branching of a magic trait. *Journal of Mathematical Biology*, **2011**, 63, 361-97	2	17
25	Evolution of pathogen virulence under selective predation: a construction method to find eco-evolutionary cycles. *Journal of Theoretical Biology*, **2013**, 339, 140-50	2.3	15
24	Body condition dependent dispersal in a heterogeneous environment. *Theoretical Population Biology*, **2011**, 79, 139-54	1.2	15
23	Adaptive dynamics: a framework to model evolution in the ecological theatre. *Journal of Mathematical Biology*, **2010**, 61, 165-9	2	15
22	Variability within families and the evolution of body-condition-dependent dispersal. *Journal of Biological Dynamics*, **2011**, 5, 191-211	2.4	12
21	Evolutionary suicide through a non-catastrophic bifurcation: adaptive dynamics of pathogens with frequency-dependent transmission. *Journal of Mathematical Biology*, **2016**, 72, 1101-1124	2	11
20	Construction of multiple trade-offs to obtain arbitrary singularities of adaptive dynamics. *Journal of Mathematical Biology*, **2015**, 70, 1093-117	2	10
19	Revisiting Santa Rosalia to unfold a degeneracy of classic models of speciation. *American Naturalist*, **2012**, 180, 388-93	3.7	10
18	Dispersal polymorphism in stable habitats. *Journal of Theoretical Biology*, **2016**, 392, 69-82	2.3	9
17	Evolutionarily stable mating decisions for sequentially searching females and the stability of reproductive isolation by assortative mating. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 1015-26	3.8	7
16	On the evolution of patch-type dependent immigration. *Journal of Theoretical Biology*, **2016**, 395, 115-125	2.3	6
15	A construction method to study the role of incidence in the adaptive dynamics of pathogens with direct and environmental transmission. *Journal of Mathematical Biology*, **2013**, 66, 1021-44	2	5
14	Does quasi-local competition lead to pattern formation in metapopulations? An explicit resource competition model. *Theoretical Population Biology*, **2005**, 68, 133-45	1.2	5
13	DIVERGENT EVOLUTION OF DISPERSAL IN A HETEROGENEOUS LANDSCAPE. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 246	3.8	5
12	Costly dispersal can destabilize the homogeneous equilibrium of a metapopulation. *Journal of Theoretical Biology*, **2010**, 262, 279-83	2.3	4

11	No direct selection to increase offspring number of bet-hedging strategies in large populations: SimonsYmodel revisited. *Journal of Evolutionary Biology*, **2007**, 20, 2072-4	2.3	4
10	Quasi-local competition in stage-structured metapopulations: a new mechanism of pattern formation. *Bulletin of Mathematical Biology*, **2007**, 69, 1649-72	2.1	4
9	Adaptive dynamics of saturated polymorphisms. *Journal of Mathematical Biology*, **2016**, 72, 1039-1079	2	4
8	Model of bacterial toxin-dependent pathogenesis explains infective dose. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10690-10695	11.5	4
7	Evolutionary Suicide of Prey: Matsuda and AbramsYModel Revisited. *Bulletin of Mathematical Biology*, **2019**, 81, 4778-4802	2.1	3
6	Evolution of dispersal under variable connectivity. *Journal of Theoretical Biology*, **2017**, 419, 52-65	2.3	3
5	OPTIMAL BODY SIZE, DENSITY-DEPENDENT SELECTION GRADIENTS, AND PHENOTYPIC VARIANCE UNDER ASYMMETRIC COMPETITION. *Ecology*, **2004**, 85, 1460-1467	4.6	2
4	Joint evolution of dispersal and connectivity. *Evolution; International Journal of Organic Evolution*, **2019**, 73, 2529-2537	3.8	1
3	Year-class coexistence in biennial plants. *Theoretical Population Biology*, **2012**, 82, 18-21	1.2	1
2	TPB and the invasion of adaptive dynamics. *Theoretical Population Biology*, **2020**, 133, 52-55	1.2	1
1	The Evolution of Immigration Strategies Facilitates Niche Expansion by Divergent Adaptation in a Structured Metapopulation Model. *American Naturalist*, **2020**, 195, 1-15	3.7	1