

Sergey Gavrilets

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

6,736
citations

76326

40
h-index

102487

66
g-index

75
all docs

75
docs citations

75
times ranked

5721
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Radiation: Contrasting Theory with Data. <i>Science</i> , 2009, 323, 732-737.	12.6	576
2	PERSPECTIVE: MODELS OF SPECIATION: WHAT HAVE WE LEARNED IN 40 YEARS?. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2197-2215.	2.3	487
3	Rapid evolution of reproductive barriers driven by sexual conflict. <i>Nature</i> , 2000, 403, 886-889.	27.8	485
4	Dynamic patterns of adaptive radiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18040-18045.	7.1	388
5	The evolution of female mate choice by sexual conflict. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 531-539.	2.6	374
6	The dynamics of evolutionary stasis. <i>Paleobiology</i> , 2005, 31, 133-145.	2.0	308
7	War, space, and the evolution of Old World complex societies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16384-16389.	7.1	293
8	Sympatric speciation by sexual conflict. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10533-10538.	7.1	272
9	PATTERNS OF PARAPATRIC SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1126-1134.	2.3	205
10	The genomic signature of parallel adaptation from shared genetic variation. <i>Molecular Ecology</i> , 2014, 23, 3944-3956.	3.9	162
11	The evolution of extreme cooperation via shared dysphoric experiences. <i>Scientific Reports</i> , 2017, 7, 44292.	3.3	138
12	Collective action and the evolution of social norm internalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6068-6073.	7.1	136
13	Human origins and the transition from promiscuity to pair-bonding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9923-9928.	7.1	133
14	Case studies and mathematical models of ecological speciation. 1. Cichlids in a crater lake. <i>Molecular Ecology</i> , 2007, 16, 2893-2909.	3.9	132
15	A solution to the collective action problem in between-group conflict with within-group inequality. <i>Nature Communications</i> , 2014, 5, 3526.	12.8	126
16	Leadership in Mammalian Societies: Emergence, Distribution, Power, and Payoff. <i>Trends in Ecology and Evolution</i> , 2016, 31, 54-66.	8.7	113
17	Rapid parapatric speciation on holey adaptive landscapes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 1483-1489.	2.6	110
18	Case studies and mathematical models of ecological speciation. 2. Palms on an oceanic island. <i>Molecular Ecology</i> , 2007, 16, 2910-2921.	3.9	109

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19	Genetic models of homosexuality: generating testable predictions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 3031-3038.	2.6	105
20	On the evolutionary origins of the egalitarian syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14069-14074.	7.1	103
21	Coevolutionary Chase in Exploiter-Victim Systems with Polygenic Characters. <i>Journal of Theoretical Biology</i> , 1997, 186, 527-534.	1.7	95
22	Homosexuality as a Consequence of Epigenetically Canalized Sexual Development. <i>Quarterly Review of Biology</i> , 2012, 87, 343-368.	0.1	95
23	Collective action problem in heterogeneous groups. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150016.	4.0	94
24	HYBRID ZONES WITH DOBZHANSKY-TYPE EPISTATIC SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1027-1035.	2.3	89
25	Evolution of mate choice and the so-called magic traits in ecological speciation. <i>Ecology Letters</i> , 2013, 16, 1004-1013.	6.4	87
26	Speciation and Sexual Conflict. <i>Evolutionary Ecology</i> , 2005, 19, 167-198.	1.2	85
27	Models of Speciation: Where Are We Now?. <i>Journal of Heredity</i> , 2014, 105, 743-755.	2.4	83
28	THE EVOLUTION OF FEMALE MATING PREFERENCES: DIFFERENTIATION FROM SPECIES WITH PROMISCUOUS MALES CAN PROMOTE SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1967-1980.	2.3	82
29	Rapid Transition towards the Division of Labor via Evolution of Developmental Plasticity. <i>PLoS Computational Biology</i> , 2010, 6, e1000805.	3.2	79
30	MULTILOCUS GENETICS AND THE COEVOLUTION OF QUANTITATIVE TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 1321-1336.	2.3	76
31	The dynamics of Machiavellian intelligence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16823-16828.	7.1	74
32	The dynamics of two- and three-way sexual conflicts over mating. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 345-354.	4.0	72
33	GENETIC DIFFERENTIATION BY SEXUAL CONFLICT. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 516-529.	2.3	71
34	Convergence to consensus in heterogeneous groups and the emergence of informal leadership. <i>Scientific Reports</i> , 2016, 6, 29704.	3.3	69
35	PERSPECTIVE: MODELS OF SPECIATION: WHAT HAVE WE LEARNED IN 40 YEARS?. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2197.	2.3	67
36	Is Sexual Conflict an "Engine of Speciation"?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a017723-a017723.	5.5	63

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37	Dynamics of Alliance Formation and the Egalitarian Revolution. PLoS ONE, 2008, 3, e3293.	2.5	54
38	CASE STUDIES AND MATHEMATICAL MODELS OF ECOLOGICAL SPECIATION. 4. HYBRID SPECIATION IN BUTTERFLIES IN A JUNGLE. Evolution; International Journal of Organic Evolution, 2009, 63, 2611-2626.	2.3	52
39	Modern theories of human evolution foreshadowed by Darwin's <i>Descent of Man</i> . Science, 2021, 372, .	12.6	51
40	Maintenance of genetic variation in phenotypic plasticity: the role of environmental variation. Genetical Research, 2000, 76, 295-304.	0.9	46
41	Collective action and the collaborative brain. Journal of the Royal Society Interface, 2015, 12, 20141067.	3.4	42
42	NEUTRAL GENE FLOW ACROSS SINGLE LOCUS CLINES. Evolution; International Journal of Organic Evolution, 1998, 52, 1277-1284.	2.3	39
43	DYNAMICS OF SPECIATION AND DIVERSIFICATION IN A METAPOPOPULATION. Evolution; International Journal of Organic Evolution, 2000, 54, 1493-1501.	2.3	37
44	One-Locus Two-Allele Models With Maternal (Parental) Selection. Genetics, 1998, 149, 1147-1152.	2.9	34
45	The Maynard Smith model of sympatric speciation. Journal of Theoretical Biology, 2006, 239, 172-182.	1.7	31
46	EFFECTS OF ENVIRONMENTAL HETEROGENEITY ON VICTIM-EXPLOITER COEVOLUTION. Evolution; International Journal of Organic Evolution, 2008, 62, 3100-3116.	2.3	30
47	Evolving institutions for collective action by selective imitation and self-interested design. Evolution and Human Behavior, 2021, 42, 1-11.	2.2	27
48	Solving the puzzle of collective action through inter-individual differences. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20150002.	4.0	22
49	Sexually antagonistic epigenetic marks that canalize sexually dimorphic development. Molecular Ecology, 2016, 25, 1812-1822.	3.9	22
50	Collective Action Problem in Heterogeneous Groups with Punishment and Foresight. Journal of Statistical Physics, 2018, 172, 293-312.	1.2	22
51	The dynamics of injunctive social norms. Evolutionary Human Sciences, 2020, 2, .	1.7	21
52	The multinomial index: a robust measure of reproductive skew. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202025.	2.6	19
53	Disentangling the evolutionary drivers of social complexity: A comprehensive test of hypotheses. Science Advances, 2022, 8, .	10.3	15
54	Dynamic patterns of adaptive radiation: evolution of mating preferences. , 2001, , 102-126.		13

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55	Cooperation, social norm internalization, and hierarchical societies. <i>Scientific Reports</i> , 2020, 10, 15359.	3.3	13
56	Duration of agriculture and distance from the steppe predict the evolution of large-scale human societies in Afro-Eurasia. <i>Humanities and Social Sciences Communications</i> , 2020, 7, .	2.9	13
57	On the evolution of visual female sexual signalling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172875.	2.6	12
58	Foresight in a Game of Leadership. <i>Scientific Reports</i> , 2020, 10, 2251.	3.3	12
59	Coevolution of actions, personal norms and beliefs about others in social dilemmas. <i>Evolutionary Human Sciences</i> , 2021, 3, .	1.7	12
60	SINGLE LOCUS CLINES. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 979-983.	2.3	10
61	The spread of technological innovations: effects of psychology, culture and policy interventions. <i>Royal Society Open Science</i> , 2022, 9, .	2.4	10
62	Understanding Homosexuality: Moving on from Patterns to Mechanisms. <i>Archives of Sexual Behavior</i> , 2018, 47, 27-31.	1.9	8
63	Using mathematical modelling to investigate the adaptive divergence of whitefish in Fennoscandia. <i>Scientific Reports</i> , 2020, 10, 7394.	3.3	7
64	Tempo and Mode in Cultural Macroevolution. <i>Evolutionary Psychology</i> , 2021, 19, 14747049211066600.	0.9	6
65	Inequality between identity groups and social unrest. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210725.	3.4	6
66	On the evolution of sexual receptivity in female primates. <i>Scientific Reports</i> , 2020, 10, 11945.	3.3	5
67	The evolution of germ-soma specialization under different genetic and environmental effects. <i>Journal of Theoretical Biology</i> , 2022, 534, 110964.	1.7	4
68	Celebrating the 150th anniversary of the <i>Descent of Man</i> . <i>Evolutionary Human Sciences</i> , 2021, 3, .	1.7	1
69	Special issue of the <i>Journal of Mathematical Biology</i> to honor Alan Hastings's 65th birthday. <i>Journal of Mathematical Biology</i> , 2020, 80, 1-2.	1.9	0