

Arne Traulsen

List of Publications by Year in descending order

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Version: 2024-02-01

209
papers

13,496
citations

23567

58
h-index

26613

107
g-index

247
all docs

247
docs citations

247
times ranked

7766
citing authors

#	ARTICLE	IF	CITATIONS
1	The selection force weakens with age because ageing evolves and not vice versa. <i>Nature Communications</i> , 2022, 13, 686.	12.8	13
2	The effect of microbial selection on the occurrence-abundance patterns of microbiomes. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210717.	3.4	1
3	Evolution of resistance to COVID-19 vaccination with dynamic social distancing. <i>Nature Human Behaviour</i> , 2022, 6, 193-206.	12.0	27
4	The possible modes of microbial reproduction are fundamentally restricted by distribution of mass between parent and offspring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122197119.	7.1	3
5	Evolution of reproductive strategies in incipient multicellularity. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210716.	3.4	3
6	On the effect of inheritance of microbes in commensal microbiomes. <i>Bmc Ecology and Evolution</i> , 2022, 22, .	1.6	0
7	Vaccination strategies when vaccines are scarce: on conflicts between reducing the burden and avoiding the evolution of escape mutants. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	4
8	On the evolutionary origins of host-microbe associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
9	The impact of phenotypic heterogeneity of tumour cells on treatment and relapse dynamics. <i>PLoS Computational Biology</i> , 2021, 17, e1008702.	3.2	11
10	Applying symmetries of elasticities in matrix population models. <i>Theoretical Ecology</i> , 2021, 14, 359-366.	1.0	1
11	Understanding evolutionary and ecological dynamics using a continuum limit. <i>Ecology and Evolution</i> , 2021, 11, 5857-5873.	1.9	11
12	Modeling host-associating microbes under selection. <i>ISME Journal</i> , 2021, 15, 3648-3656.	9.8	15
13	Sex or cannibalism: Polyphenism and kin recognition control social action strategies in nematodes. <i>Science Advances</i> , 2021, 7, .	10.3	15
14	Evolution of Microbiota-Host Associations: The Microbe's Perspective. <i>Trends in Microbiology</i> , 2021, 29, 779-787.	7.7	28
15	Fixation probabilities in network structured meta-populations. <i>Scientific Reports</i> , 2021, 11, 17979.	3.3	23
16	Evolutionary ecology theory - microbial population structure. <i>Current Opinion in Microbiology</i> , 2021, 63, 216-220.	5.1	1
17	Evolution of irreversible somatic differentiation. <i>ELife</i> , 2021, 10, .	6.0	3
18	Multiscale heterogeneity in gastric adenocarcinoma evolution is an obstacle to precision medicine. <i>Genome Medicine</i> , 2021, 13, 177.	8.2	16

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19	How long do Red Queen dynamics survive under genetic drift? A comparative analysis of evolutionary and eco-evolutionary models. BMC Evolutionary Biology, 2020, 20, 8.	3.2	13
20	Stochastic colonization of hosts with a finite lifespan can drive individual host microbes out of equilibrium. PLoS Computational Biology, 2020, 16, e1008392.	3.2	7
21	Evolution of multicellular life cycles under costly fragmentation. PLoS Computational Biology, 2020, 16, e1008406.	3.2	16
22	Why is cyclic dominance so rare?. ELife, 2020, 9, .	6.0	19
23	CancerSim: A Cancer Simulation Package for Python 3. Journal of Open Source Software, 2020, 5, 2436.	4.6	2
24	Title is missing!. , 2020, 16, e1008392.		0
25	Title is missing!. , 2020, 16, e1008392.		0
26	Title is missing!. , 2020, 16, e1008392.		0
27	Title is missing!. , 2020, 16, e1008392.		0
28	Title is missing!. , 2020, 16, e1008392.		0
29	Title is missing!. , 2020, 16, e1008392.		0
30	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
31	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
32	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
33	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
34	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
35	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
36	Evolution of simple multicellular life cycles in dynamic environments. Journal of the Royal Society Interface, 2019, 16, 20190054.	3.4	19

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37	Evolution of coordinated punishment to enforce cooperation from an unbiased strategy space. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190127.	3.4	23
38	Killer on the road?â€”cells from pancreatic preneoplastic lesions disseminate through pancreatic ducts on their way to cancer. <i>Hepatobiliary Surgery and Nutrition</i> , 2019, 8, 392-394.	1.5	0
39	The invasion of de-differentiating cancer cells into hierarchical tissues. <i>PLoS Computational Biology</i> , 2019, 15, e1007167.	3.2	16
40	Neutrality in the Metaorganism. <i>PLoS Biology</i> , 2019, 17, e3000298.	5.6	61
41	Interacting cells driving the evolution of multicellular life cycles. <i>PLoS Computational Biology</i> , 2019, 15, e1006987.	3.2	18
42	Computation and Simulation of Evolutionary Game Dynamics in Finite Populations. <i>Scientific Reports</i> , 2019, 9, 6946.	3.3	41
43	How many samples are needed to infer truly clonal mutations from heterogenous tumours?. <i>BMC Cancer</i> , 2019, 19, 403.	2.6	21
44	Exploring and mapping the universe of evolutionary graphs identifies structural properties affecting fixation probability and time. <i>Communications Biology</i> , 2019, 2, 137.	4.4	30
45	Population size changes and extinction risk of populations driven by mutant interactors. <i>Physical Review E</i> , 2019, 99, 022305.	2.1	9
46	The breakdown of genomic ancestry blocks in hybrid lineages given a finite number of recombination sites. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 735-750.	2.3	28
47	Replicative cellular age distributions in compartmentalized tissues. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180272.	3.4	10
48	Die Evolution und der Zusammenbruch von Kooperation: Wie Einzelne das Gemeinwohl gefÃhrden kÃ¶nnen. , 2018, , 59-68.		0
49	Invasion and effective size of graph-structured populations. <i>PLoS Computational Biology</i> , 2018, 14, e1006559.	3.2	16
50	Fixation probabilities in populations under demographic fluctuations. <i>Journal of Mathematical Biology</i> , 2018, 77, 1233-1277.	1.9	25
51	Cellular hysteresis as a principle to maximize the efficacy of antibiotic therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9767-9772.	7.1	81
52	Immediate action is the best strategy when facing uncertain climate change. <i>Nature Communications</i> , 2018, 9, 2566.	12.8	28
53	Modeling treatment-dependent glioma growth including a dormant tumor cell subpopulation. <i>BMC Cancer</i> , 2018, 18, 376.	2.6	8
54	Detecting truly clonal alterations from multi-region profiling of tumours. <i>Scientific Reports</i> , 2017, 7, 44991.	3.3	24

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55	Chaotic provinces in the kingdom of the Red Queen. <i>Journal of Theoretical Biology</i> , 2017, 431, 1-10.	1.7	11
56	Extinction dynamics from metastable coexistences in an evolutionary game. <i>Physical Review E</i> , 2017, 96, 042412.	2.1	13
57	Discovering Complete Quasispecies in Bacterial Genomes. <i>Genetics</i> , 2017, 206, 2149-2157.	2.9	21
58	Temperate phages as self-replicating weapons in bacterial competition. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170563.	3.4	39
59	Dynamical trade-offs arise from antagonistic coevolution and decrease intraspecific diversity. <i>Nature Communications</i> , 2017, 8, 2059.	12.8	30
60	Social dilemma in the external immune system of the red flour beetle? It is a matter of time. <i>Ecology and Evolution</i> , 2017, 7, 6758-6765.	1.9	9
61	Evaluating the maintenance of disease-associated variation at the blood group-related gene <i>B4galnt2</i> in house mice. <i>BMC Evolutionary Biology</i> , 2017, 17, 187.	3.2	7
62	Ribosome reinitiation can explain length-dependent translation of messenger RNA. <i>PLoS Computational Biology</i> , 2017, 13, e1005592.	3.2	24
63	Fragmentation modes and the evolution of life cycles. <i>PLoS Computational Biology</i> , 2017, 13, e1005860.	3.2	41
64	Ontogenic growth as the root of fundamental differences between childhood and adult cancer. <i>Stem Cells</i> , 2016, 34, 543-550.	3.2	9
65	Which risk scenarios can drive the emergence of costly cooperation?. <i>Scientific Reports</i> , 2016, 6, 19269.	3.3	16
66	Should tissue structure suppress or amplify selection to minimize cancer risk?. <i>Biology Direct</i> , 2016, 11, 41.	4.6	24
67	Coevolutionary interactions between farmers and mafia induce host acceptance of avian brood parasites. <i>Royal Society Open Science</i> , 2016, 3, 160036.	2.4	4
68	Evolving synergetic interactions. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160282.	3.4	29
69	Response to the Editor: On the Growth of Hematopoietic Stem Cells and Childhood Leukemias. <i>Stem Cells</i> , 2016, 34, 2610-2610.	3.2	0
70	How Life History Can Sway the Fixation Probability of Mutants. <i>Genetics</i> , 2016, 203, 1297-1313.	2.9	19
71	Only the combination of mathematics and agent-based simulations can leverage the full potential of evolutionary modeling. <i>Physics of Life Reviews</i> , 2016, 19, 29-31.	2.8	3
72	Ordering structured populations in multiplayer cooperation games. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20150881.	3.4	25

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73	Exact numerical calculation of fixation probability and time on graphs. <i>BioSystems</i> , 2016, 150, 87-91.	2.0	39
74	Epidemic Spreading in an Animal Trade Network - Comparison of Distance-Based and Network-Based Control Measures. <i>Transboundary and Emerging Diseases</i> , 2016, 63, e122-e134.	3.0	15
75	The Cancer Stem Cell Fraction in Hierarchically Organized Tumors Can Be Estimated Using Mathematical Modeling and Patient-Specific Treatment Trajectories. <i>Cancer Research</i> , 2016, 76, 1705-1713.	0.9	65
76	Host-parasite coevolution: why changing population size matters. <i>Zoology</i> , 2016, 119, 330-338.	1.2	88
77	Evolutionary Games of Multiplayer Cooperation on Graphs. <i>PLoS Computational Biology</i> , 2016, 12, e1005059.	3.2	39
78	Modes of migration and multilevel selection in evolutionary multiplayer games. <i>Journal of Theoretical Biology</i> , 2015, 387, 144-153.	1.7	11
79	When the mean is not enough: Calculating fixation time distributions in birth-death processes. <i>Physical Review E</i> , 2015, 92, 042154.	2.1	27
80	Host-parasite coevolution in populations of constant and variable size. <i>BMC Evolutionary Biology</i> , 2015, 15, 212.	3.2	30
81	Sequential karyotyping in Burkitt lymphoma reveals a linear clonal evolution with increase in karyotype complexity and a high frequency of recurrent secondary aberrations. <i>British Journal of Haematology</i> , 2015, 170, 814-825.	2.5	36
82	Most Undirected Random Graphs Are Amplifiers of Selection for Birth-Death Dynamics, but Suppressors of Selection for Death-Birth Dynamics. <i>PLoS Computational Biology</i> , 2015, 11, e1004437.	3.2	94
83	Partners or rivals? Strategies for the iterated prisoner's dilemma. <i>Games and Economic Behavior</i> , 2015, 92, 41-52.	0.8	93
84	Which games are growing bacterial populations playing?. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150121.	3.4	51
85	Stochastic game dynamics under demographic fluctuations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9064-9069.	7.1	96
86	Plastic behaviors in hosts promote the emergence of retaliatory parasites. <i>Scientific Reports</i> , 2015, 4, 4251.	3.3	16
87	Mathematical universality and direct applicability of evolutionary games. <i>Physics of Life Reviews</i> , 2015, 14, 31-33.	2.8	1
88	Modeling evolutionary games in populations with demographic structure. <i>Journal of Theoretical Biology</i> , 2015, 380, 506-515.	1.7	10
89	Modelling the dynamics of crime and punishment. <i>Physics of Life Reviews</i> , 2015, 12, 22-23.	2.8	2
90	Fitness-based models and pairwise comparison models of evolutionary games are typically different even in unstructured populations. <i>New Journal of Physics</i> , 2015, 17, 023043.	2.9	50

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91	Evolutionary performance of zero-determinant strategies in multiplayer games. <i>Journal of Theoretical Biology</i> , 2015, 374, 115-124.	1.7	67
92	Reconstructing the in vivo dynamics of hematopoietic stem cells from telomere length distributions. <i>ELife</i> , 2015, 4, .	6.0	81
93	Comprehensive Analysis of Telomere Biology in Patients with Aplastic Anemia and Hypoplastic Myelodysplastic Syndrome: Further Evidence for a Common Mechanism. <i>Blood</i> , 2015, 126, 2858-2858.	1.4	1
94	Counterintuitive properties of the fixation time in network-structured populations. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140606.	3.4	54
95	Sanctions as honest signals – The evolution of pool punishment by public sanctioning institutions. <i>Journal of Theoretical Biology</i> , 2014, 356, 36-46.	1.7	59
96	Democratic decisions establish stable authorities that overcome the paradox of second-order punishment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 752-756.	7.1	79
97	Cooperation and control in multiplayer social dilemmas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16425-16430.	7.1	136
98	Evil green beards: Tag recognition can also be used to withhold cooperation in structured populations. <i>Journal of Theoretical Biology</i> , 2014, 360, 181-186.	1.7	32
99	Dynamics of Leukemia Stem-like Cell Extinction in Acute Promyelocytic Leukemia. <i>Cancer Research</i> , 2014, 74, 5386-5396.	0.9	25
100	Evolutionary Multiplayer Games. <i>Dynamic Games and Applications</i> , 2014, 4, 468-488.	1.9	73
101	Under high stakes and uncertainty the rich should lend the poor a helping hand. <i>Journal of Theoretical Biology</i> , 2014, 341, 123-130.	1.7	36
102	Heterogeneity in background fitness acts as a suppressor of selection. <i>Journal of Theoretical Biology</i> , 2014, 343, 178-185.	1.7	23
103	Cancer initiation with epistatic interactions between driver and passenger mutations. <i>Journal of Theoretical Biology</i> , 2014, 358, 52-60.	1.7	27
104	A comparative analysis of spatial Prisoner's Dilemma experiments: Conditional cooperation and payoff irrelevance. <i>Scientific Reports</i> , 2014, 4, 4615.	3.3	93
105	Static network analysis of a pork supply chain in Northern Germany – Characterisation of the potential spread of infectious diseases via animal movements. <i>Preventive Veterinary Medicine</i> , 2013, 110, 418-428.	1.9	72
106	Bacterial colonization of <i>Hydra</i> hatchlings follows a robust temporal pattern. <i>ISME Journal</i> , 2013, 7, 781-790.	9.8	96
107	Lotka – Volterra dynamics kills the Red Queen: population size fluctuations and associated stochasticity dramatically change host-parasite coevolution. <i>BMC Evolutionary Biology</i> , 2013, 13, 254.	3.2	78
108	On the dynamics of neutral mutations in a mathematical model for a homogeneous stem cell population. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120810.	3.4	31

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109	Interpretations arising from Wrightian and Malthusian fitness under strong frequency dependent selection. <i>Ecology and Evolution</i> , 2013, 3, 1276-1280.	1.9	25
110	Extrapolating Weak Selection in Evolutionary Games. <i>PLoS Computational Biology</i> , 2013, 9, e1003381.	3.2	86
111	The effect of population structure on the rate of evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130211.	2.6	90
112	A deterministic model for the occurrence and dynamics of multiple mutations in hierarchically organized tissues. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130349.	3.4	45
113	Dynamic Properties of Evolutionary Multi-player Games in Finite Populations. <i>Games</i> , 2013, 4, 182-199.	0.6	68
114	The Evolution of Strategic Timing in Collective-Risk Dilemmas. <i>PLoS ONE</i> , 2013, 8, e66490.	2.5	34
115	Adaptive Dynamics of Extortion and Compliance. <i>PLoS ONE</i> , 2013, 8, e77886.	2.5	81
116	Efficient Interruption of Infection Chains by Targeted Removal of Central Holdings in an Animal Trade Network. <i>PLoS ONE</i> , 2013, 8, e74292.	2.5	34
117	Mutualism and evolutionary multiplayer games: revisiting the Red King. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4611-4616.	2.6	27
118	Emergence of stable polymorphisms driven by evolutionary games between mutants. <i>Nature Communications</i> , 2012, 3, 919.	12.8	51
119	Could shame and honor save cooperation?. <i>Communicative and Integrative Biology</i> , 2012, 5, 209-213.	1.4	10
120	Stochastic differential equations for evolutionary dynamics with demographic noise and mutations. <i>Physical Review E</i> , 2012, 85, 041901.	2.1	53
121	Emergence of responsible sanctions without second order free riders, antisocial punishment or spite. <i>Scientific Reports</i> , 2012, 2, 458.	3.3	84
122	An economic experiment reveals that humans prefer pool punishment to maintain the commons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3716-3721.	2.6	121
123	The mechanics of stochastic slowdown in evolutionary games. <i>Journal of Theoretical Biology</i> , 2012, 311, 94-106.	1.7	37
124	The impact of random frequency-dependent mutations on the average population fitness. <i>BMC Evolutionary Biology</i> , 2012, 12, 160.	3.2	10
125	Evolutionary Dynamics of Strategic Behavior in a Collective-Risk Dilemma. <i>PLoS Computational Biology</i> , 2012, 8, e1002652.	3.2	49
126	The Structure of Mutations and the Evolution of Cooperation. <i>PLoS ONE</i> , 2012, 7, e35287.	2.5	28

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127	Evolutionary Dynamics of Mutations in Hematopoietic Stem Cells and Beyond. , 2012, , 115-123.		0
128	Mixing Times in Evolutionary Game Dynamics. Physical Review Letters, 2012, 109, 028101.	7.8	30
129	How small are small mutation rates?. Journal of Mathematical Biology, 2012, 64, 803-827.	1.9	86
130	How mutation affects evolutionary games on graphs. Journal of Theoretical Biology, 2012, 299, 97-105.	1.7	74
131	From genes to games: Cooperation and cyclic dominance in meiotic drive. Journal of Theoretical Biology, 2012, 299, 120-125.	1.7	42
132	Leaving the loners alone: Evolution of cooperation in the presence of antisocial punishment. Journal of Theoretical Biology, 2012, 307, 168-173.	1.7	51
133	On equilibrium properties of evolutionary multi-player games with random payoff matrices. Theoretical Population Biology, 2012, 81, 264-272.	1.1	45
134	Consistent Strategy Updating in Spatial and Non-Spatial Behavioral Experiments Does Not Promote Cooperation in Social Networks. PLoS ONE, 2012, 7, e47718.	2.5	55
135	A Dynamical Mechanism for the Evolution and Breakdown of Cooperation in the Snowdrift Game in Adaptive Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 521-522.	0.3	0
136	Exploring the Link between Genetic Relatedness and Social Contact Structure in Animal Social Networks. American Naturalist, 2011, 177, 135-142.	2.1	10
137	Dynamics of Resistance Development to Imatinib under Increasing Selection Pressure: A Combination of Mathematical Models and In Vitro Data. PLoS ONE, 2011, 6, e28955.	2.5	15
138	Strategy abundance in evolutionary many-player games with multiple strategies. Journal of Theoretical Biology, 2011, 283, 180-191.	1.7	30
139	Social Control and the Social Contract: The Emergence of Sanctioning Systems for Collective Action. Dynamic Games and Applications, 2011, 1, 149-171.	1.9	32
140	Shame and honour drive cooperation. Biology Letters, 2011, 7, 899-901.	2.3	120
141	Explaining the in vitro and in vivo differences in leukemia therapy. Cell Cycle, 2011, 10, 1540-1544.	2.6	7
142	Stability Properties of Underdominance in Finite Subdivided Populations. PLoS Computational Biology, 2011, 7, e1002260.	3.2	61
143	Dynamics of Mutant Cells in Hierarchical Organized Tissues. PLoS Computational Biology, 2011, 7, e1002290.	3.2	70
144	Tyrosine kinase inhibitor therapy can cure chronic myeloid leukemia without hitting leukemic stem cells. Haematologica, 2010, 95, 900-907.	3.5	55

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145	Freedom, enforcement, and the social dilemma of strong altruism. <i>Journal of Evolutionary Economics</i> , 2010, 20, 203-217.	1.7	31
146	Using underdominance to bi-stably transform local populations. <i>Journal of Theoretical Biology</i> , 2010, 267, 62-75.	1.7	64
147	Somatic mutations and the hierarchy of hematopoiesis. <i>BioEssays</i> , 2010, 32, 1003-1008.	2.5	24
148	Fixation probabilities of random mutants under frequency dependent selection. <i>Journal of Theoretical Biology</i> , 2010, 263, 262-268.	1.7	22
149	MATHEMATICS OF KIN- AND GROUP-SELECTION: FORMALLY EQUIVALENT?. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 316-323.	2.3	50
150	Social learning promotes institutions for governing the commons. <i>Nature</i> , 2010, 466, 861-863.	27.8	434
151	Evolution of Cooperation on Stochastic Dynamical Networks. <i>PLoS ONE</i> , 2010, 5, e11187.	2.5	155
152	Evolutionary games in the multiverse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5500-5504.	7.1	221
153	Evolutionary Dynamics of Chronic Myeloid Leukemia. <i>Genes and Cancer</i> , 2010, 1, 309-315.	1.9	17
154	A homoclinic route to asymptotic full cooperation in adaptive networks and its failure. <i>New Journal of Physics</i> , 2010, 12, 093015.	2.9	36
155	Stochastic slowdown in evolutionary processes. <i>Physical Review E</i> , 2010, 82, 011925.	2.1	35
156	Reproductive fitness advantage of BCR α -ABL expressing leukemia cells. <i>Cancer Letters</i> , 2010, 294, 43-48.	7.2	12
157	Human strategy updating in evolutionary games. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2962-2966.	7.1	328
158	Universality of weak selection. <i>Physical Review E</i> , 2010, 82, 046106.	2.1	154
159	Deterministic evolutionary game dynamics in finite populations. <i>Physical Review E</i> , 2009, 80, 011909.	2.1	65
160	Exploration dynamics in evolutionary games. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 709-712.	7.1	258
161	Fixation times in evolutionary games under weak selection. <i>New Journal of Physics</i> , 2009, 11, 013012.	2.9	96
162	Evolutionary game dynamics in a growing structured population. <i>New Journal of Physics</i> , 2009, 11, 083031.	2.9	130

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163	Does intra-individual major histocompatibility complex diversity keep a golden mean?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 117-128.	4.0	146
164	Cyclic neutropenia in animals. <i>American Journal of Hematology</i> , 2009, 84, 258-258.	4.1	15
165	The pace of evolution across fitness valleys. <i>Journal of Theoretical Biology</i> , 2009, 259, 613-620.	1.7	49
166	Speciation accelerated and stabilized by pleiotropic major histocompatibility complex immunogenes. <i>Ecology Letters</i> , 2009, 12, 5-12.	6.4	90
167	Strategy abundance in games for arbitrary mutation rates. <i>Journal of Theoretical Biology</i> , 2009, 257, 340-344.	1.7	85
168	Stochastic sampling of interaction partners versus deterministic payoff assignment. <i>Journal of Theoretical Biology</i> , 2009, 257, 689-695.	1.7	20
169	Mutation-selection equilibrium in games with multiple strategies. <i>Journal of Theoretical Biology</i> , 2009, 258, 614-622.	1.7	118
170	The allometry of chronic myeloid leukemia. <i>Journal of Theoretical Biology</i> , 2009, 259, 635-640.	1.7	10
171	Evolutionary Games in Self-Organizing Populations. <i>Understanding Complex Systems</i> , 2009, , 253-267.	0.6	11
172	Repeated games and direct reciprocity under active linking. <i>Journal of Theoretical Biology</i> , 2008, 250, 723-731.	1.7	128
173	Analytical Results for Individual and Group Selection of Any Intensity. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 1410-1424.	1.9	141
174	Cyclic neutropenia in mammals. <i>American Journal of Hematology</i> , 2008, 83, 920-921.	4.1	18
175	Mechanisms for similarity based cooperation. <i>European Physical Journal B</i> , 2008, 63, 363-371.	1.5	32
176	Chronic Myeloid Leukemia: Origin, Development, Response to Therapy, and Relapse. <i>Clinical Leukemia</i> , 2008, 2, 133-139.	0.2	30
177	Public Goods With Punishment and Abstaining in Finite and Infinite Populations. <i>Biological Theory</i> , 2008, 3, 114-122.	1.5	63
178	Comparative lesion sequencing provides insights into tumor evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4283-4288.	7.1	720
179	Dynamics of haemopoiesis across mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2389-2392.	2.6	16
180	Multiple mutant clones in blood rarely coexist. <i>Physical Review E</i> , 2008, 77, 021915.	2.1	20

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181	Cyclic Dominance and Biodiversity in Well-Mixed Populations. <i>Physical Review Letters</i> , 2008, 100, 058104.	7.8	127
182	Stochastic gain in finite populations. <i>Physical Review E</i> , 2008, 78, 026108.	2.1	2
183	(A)Symmetric Stem Cell Replication and Cancer. <i>PLoS Computational Biology</i> , 2007, 3, e53.	3.2	104
184	Genetic Progression and the Waiting Time to Cancer. <i>PLoS Computational Biology</i> , 2007, 3, e225.	3.2	337
185	Publisher's Note: Impact of fraud on the mean-field dynamics of cooperative social systems [Phys. Rev. E76, 026114 (2007)]. <i>Physical Review E</i> , 2007, 76, .	2.1	1
186	Impact of fraud on the mean-field dynamics of cooperative social systems. <i>Physical Review E</i> , 2007, 76, 026114.	2.1	8
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