Arne Traulsen

List of Publications by Year
in descending order

209 papers	13,496 citations	23500 58 h-index	26548 107 g-index
247 all docs	247 docs citations	247 times ranked	7766 citing authors

#	Article	IF	Citations
1	Evolution of cooperation by multilevel selection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10952-10955.	3.3	735
2	Comparative lesion sequencing provides insights into tumor evolution. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4283-4288.	3.3	720
3	Via Freedom to Coercion: The Emergence of Costly Punishment. Science, 2007, 316, 1905-1907.	6.0	628
4	Coevolution of Strategy and Structure in Complex Networks with Dynamical Linking. Physical Review Letters, 2006, 97, 258103.	2.9	578
5	Social learning promotes institutions for governing the commons. Nature, 2010, 466, 861-863.	13.7	434
6	Stochastic dynamics of invasion and fixation. Physical Review E, 2006, 74, 011909.	0.8	431
7	Coevolutionary Dynamics: From Finite to Infinite Populations. Physical Review Letters, 2005, 95, 238701.	2.9	411
8	Genetic Progression and the Waiting Time to Cancer. PLoS Computational Biology, 2007, 3, e225.	1.5	337
9	Human strategy updating in evolutionary games. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2962-2966.	3.3	328
10	Pairwise comparison and selection temperature in evolutionary game dynamics. Journal of Theoretical Biology, 2007, 246, 522-529.	0.8	300
11	Exploration dynamics in evolutionary games. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 709-712.	3.3	258
12	Active linking in evolutionary games. Journal of Theoretical Biology, 2006, 243, 437-443.	0.8	225
13	Evolutionary games in the multiverse. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5500-5504.	3.3	221
14	Evolution of Cooperation on Stochastic Dynamical Networks. PLoS ONE, 2010, 5, e11187.	1.1	155
15	Universality of weak selection. Physical Review E, 2010, 82, 046106.	0.8	154
16	Does intra-individual major histocompatibility complex diversity keep a golden mean?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 117-128.	1.8	146
17	Analytical Results for Individual and Group Selection of Any Intensity. Bulletin of Mathematical Biology, 2008, 70, 1410-1424.	0.9	141
18	Coevolutionary dynamics in large, but finite populations. Physical Review E, 2006, 74, 011901.	0.8	139

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19	Cooperation and control in multiplayer social dilemmas. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16425-16430.	3.3	136
20	Evolutionary game dynamics in a growing structured population. New Journal of Physics, 2009, 11, 083031.	1.2	130
21	Repeated games and direct reciprocity under active linking. Journal of Theoretical Biology, 2008, 250, 723-731.	0.8	128
22	Cyclic Dominance and Biodiversity in Well-Mixed Populations. Physical Review Letters, 2008, 100, 058104.	2.9	127
23	An economic experiment reveals that humans prefer pool punishment to maintain the commons. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3716-3721.	1.2	121
24	Shame and honour drive cooperation. Biology Letters, 2011, 7, 899-901.	1.0	120
25	Mutation-selection equilibrium in games with multiple strategies. Journal of Theoretical Biology, 2009, 258, 614-622.	0.8	118
26	The different limits of weak selection and the evolutionary dynamics of finite populations. Journal of Theoretical Biology, 2007, 247, 382-390.	0.8	117
27	Stochasticity and evolutionary stability. Physical Review E, 2006, 74, 021905.	0.8	112
28	Stochastic payoff evaluation increases the temperature of selection. Journal of Theoretical Biology, 2007, 244, 349-356.	0.8	106
29	(A)Symmetric Stem Cell Replication and Cancer. PLoS Computational Biology, 2007, 3, e53.	1.5	104
30	Chromodynamics of Cooperation in Finite Populations. PLoS ONE, 2007, 2, e270.	1.1	96
31	Fixation times in evolutionary games under weak selection. New Journal of Physics, 2009, 11, 013012.	1.2	96
32	Bacterial colonization of *Hydra* hatchlings follows a robust temporal pattern. ISME Journal, 2013, 7, 781-790.	4.4	96
33	Stochastic game dynamics under demographic fluctuations. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9064-9069.	3.3	96
34	Most Undirected Random Graphs Are Amplifiers of Selection for Birth-Death Dynamics, but Suppressors of Selection for Death-Birth Dynamics. PLoS Computational Biology, 2015, 11, e1004437.	1.5	94
35	Partners or rivals? Strategies for the iterated prisoner's dilemma. Games and Economic Behavior, 2015, 92, 41-52.	0.4	93
36	A comparative analysis of spatial Prisoner's Dilemma experiments: Conditional cooperation and payoff irrelevance. Scientific Reports, 2014, 4, 4615.	1.6	93

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37	Compartmental Architecture and Dynamics of Hematopoiesis. PLoS ONE, 2007, 2, e345.	1.1	91
38	Speciation accelerated and stabilized by pleiotropic major histocompatibility complex immunogenes. Ecology Letters, 2009, 12, 5-12.	3.0	90
39	The effect of population structure on the rate of evolution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130211.	1.2	90
40	Stochastic Dynamics of Hematopoietic Tumor Stem Cells. Cell Cycle, 2007, 6, 461-466.	1.3	88
41	Host–parasite coevolution: why changing population size matters. Zoology, 2016, 119, 330-338.	0.6	88
42	How small are small mutation rates?. Journal of Mathematical Biology, 2012, 64, 803-827.	0.8	86
43	Extrapolating Weak Selection in Evolutionary Games. PLoS Computational Biology, 2013, 9, e1003381.	1.5	86
44	Strategy abundance in games for arbitrary mutation rates. Journal of Theoretical Biology, 2009, 257, 340-344.	0.8	85
45	Emergence of responsible sanctions without second order free riders, antisocial punishment or spite. Scientific Reports, 2012, 2, 458.	1.6	84
46	Adaptive Dynamics of Extortion and Compliance. PLoS ONE, 2013, 8, e77886.	1.1	81
47	Cellular hysteresis as a principle to maximize the efficacy of antibiotic therapy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9767-9772.	3.3	81
48	Reconstructing the in vivo dynamics of hematopoietic stem cells from telomere length distributions. ELife, 2015, 4, .	2.8	81
49	Democratic decisions establish stable authorities that overcome the paradox of second-order punishment. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 752-756.	3.3	79
50	Lotka–Volterra dynamics kills the Red Queen: population size fluctuations and associated stochasticity dramatically change host-parasite coevolution. BMC Evolutionary Biology, 2013, 13, 254.	3.2	78
51	How mutation affects evolutionary games on graphs. Journal of Theoretical Biology, 2012, 299, 97-105.	0.8	74
52	Evolutionary Multiplayer Games. Dynamic Games and Applications, 2014, 4, 468-488.	1.1	73
53	Static network analysis of a pork supply chain in Northern Germany–Characterisation of the potential spread of infectious diseases via animal movements. Preventive Veterinary Medicine, 2013, 110, 418-428.	0.7	72
54	Dynamics of Mutant Cells in Hierarchical Organized Tissues. PLoS Computational Biology, 2011, 7, e1002290.	1.5	70

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55	Similarity-based cooperation and spatial segregation. Physical Review E, 2004, 70, 046128.	0.8	68
56	Dynamic Properties of Evolutionary Multi-player Games in Finite Populations. Games, 2013, 4, 182-199.	0.4	68
57	Evolutionary performance of zero-determinant strategies in multiplayer games. Journal of Theoretical Biology, 2015, 374, 115-124.	0.8	67
58	Minimal model for tag-based cooperation. Physical Review E, 2003, 68, 046129.	0.8	66
59	Deterministic evolutionary game dynamics in finite populations. Physical Review E, 2009, 80, 011909.	0.8	65
60	The Cancer Stem Cell Fraction in Hierarchically Organized Tumors Can Be Estimated Using Mathematical Modeling and Patient-Specific Treatment Trajectories. Cancer Research, 2016, 76, 1705-1713.	0.4	65
61	Using underdominance to bi-stably transform local populations. Journal of Theoretical Biology, 2010, 267, 62-75.	0.8	64
62	Public Goods With Punishment and Abstaining in Finite and Infinite Populations. Biological Theory, 2008, 3, 114-122.	0.8	63
63	Stability Properties of Underdominance in Finite Subdivided Populations. PLoS Computational Biology, 2011, 7, e1002260.	1.5	61
64	Neutrality in the Metaorganism. PLoS Biology, 2019, 17, e3000298.	2.6	61
65	Sanctions as honest signals – The evolution of pool punishment by public sanctioning institutions. Journal of Theoretical Biology, 2014, 356, 36-46.	0.8	59
66	Tyrosine kinase inhibitor therapy can cure chronic myeloid leukemia without hitting leukemic stem cells. Haematologica, 2010, 95, 900-907.	1.7	55
67	Consistent Strategy Updating in Spatial and Non-Spatial Behavioral Experiments Does Not Promote Cooperation in Social Networks. PLoS ONE, 2012, 7, e47718.	1.1	55
68	Counterintuitive properties of the fixation time in network-structured populations. Journal of the Royal Society Interface, 2014, 11, 20140606.	1.5	54
69	Stochastic Gain in Population Dynamics. Physical Review Letters, 2004, 93, 028701.	2.9	53
70	Stochastic differential equations for evolutionary dynamics with demographic noise and mutations. Physical Review E, 2012, 85, 041901.	0.8	53
71	Emergence of stable polymorphisms driven by evolutionary games between mutants. Nature Communications, 2012, 3, 919.	5.8	51
72	Leaving the loners alone: Evolution of cooperation in the presence of antisocial punishment. Journal of Theoretical Biology, 2012, 307, 168-173.	0.8	51

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73	Which games are growing bacterial populations playing?. Journal of the Royal Society Interface, 2015, 12, 20150121.	1.5	51
74	MATHEMATICS OF KIN- AND GROUP-SELECTION: FORMALLY EQUIVALENT?. Evolution; International Journal of Organic Evolution, 2010, 64, 316-323.	1.1	50
75	Fitness-based models and pairwise comparison models of evolutionary games are typically different—even in unstructured populations. New Journal of Physics, 2015, 17, 023043.	1.2	50
76	The pace of evolution across fitness valleys. Journal of Theoretical Biology, 2009, 259, 613-620.	0.8	49
77	Evolutionary Dynamics of Strategic Behavior in a Collective-Risk Dilemma. PLoS Computational Biology, 2012, 8, e1002652.	1.5	49
78	Non-Gaussian fluctuations arising from finite populations: Exact results for the evolutionary Moran process. Physical Review E, 2005, 71, 025101.	0.8	46
79	On equilibrium properties of evolutionary multi-player games with random payoff matrices. Theoretical Population Biology, 2012, 81, 264-272.	0.5	45
80	A deterministic model for the occurrence and dynamics of multiple mutations in hierarchically organized tissues. Journal of the Royal Society Interface, 2013, 10, 20130349.	1.5	45
81	From genes to games: Cooperation and cyclic dominance in meiotic drive. Journal of Theoretical Biology, 2012, 299, 120-125.	0.8	42
82	Computation and Simulation of Evolutionary Game Dynamics in Finite Populations. Scientific Reports, 2019, 9, 6946.	1.6	41
83	Fragmentation modes and the evolution of life cycles. PLoS Computational Biology, 2017, 13, e1005860.	1.5	41
84	Exact numerical calculation of fixation probability and time on graphs. BioSystems, 2016, 150, 87-91.	0.9	39
85	Temperate phages as self-replicating weapons in bacterial competition. Journal of the Royal Society Interface, 2017, 14, 20170563.	1.5	39
86	Evolutionary Games of Multiplayer Cooperation on Graphs. PLoS Computational Biology, 2016, 12, e1005059.	1.5	39
87	The mechanics of stochastic slowdown in evolutionary games. Journal of Theoretical Biology, 2012, 311, 94-106.	0.8	37
88	A homoclinic route to asymptotic full cooperation in adaptive networks and its failure. New Journal of Physics, 2010, 12, 093015.	1.2	36
89	Under high stakes and uncertainty the rich should lend the poor a helping hand. Journal of Theoretical Biology, 2014, 341, 123-130.	0.8	36
90	Sequential karyotyping in Burkitt lymphoma reveals a linear clonal evolution with increase in karyotype complexity and a high frequency of recurrent secondary aberrations. British Journal of Haematology, 2015, 170, 814-825.	1.2	36

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91	Stochastic slowdown in evolutionary processes. Physical Review E, 2010, 82, 011925.	0.8	35
92	The Evolution of Strategic Timing in Collective-Risk Dilemmas. PLoS ONE, 2013, 8, e66490.	1.1	34
93	Efficient Interruption of Infection Chains by Targeted Removal of Central Holdings in an Animal Trade Network. PLoS ONE, 2013, 8, e74292.	1.1	34
94	Stochastic evolutionary dynamics on two levels. Journal of Theoretical Biology, 2005, 235, 393-401.	0.8	33
95	Mechanisms for similarity based cooperation. European Physical Journal B, 2008, 63, 363-371.	0.6	32
96	Social Control and the Social Contract: The Emergence of Sanctioning Systems for Collective Action. Dynamic Games and Applications, 2011, 1, 149-171.	1.1	32
97	Evil green beards: Tag recognition can also be used to withhold cooperation in structured populations. Journal of Theoretical Biology, 2014, 360, 181-186.	0.8	32
98	On the Origin of Multiple Mutant Clones in Paroxysmal Nocturnal Hemoglobinuria. Stem Cells, 2007, 25, 3081-3084.	1.4	31
99	Freedom, enforcement, and the social dilemma of strong altruism. Journal of Evolutionary Economics, 2010, 20, 203-217.	0.8	31
100	On the dynamics of neutral mutations in a mathematical model for a homogeneous stem cell population. Journal of the Royal Society Interface, 2013, 10, 20120810.	1.5	31
101	Chronic Myeloid Leukemia: Origin, Development, Response to Therapy, and Relapse. Clinical Leukemia, 2008, 2, 133-139.	0.2	30
102	Strategy abundance in evolutionary many-player games with multiple strategies. Journal of Theoretical Biology, 2011, 283, 180-191.	0.8	30
103	Mixing Times in Evolutionary Game Dynamics. Physical Review Letters, 2012, 109, 028101.	2.9	30
104	Host-parasite coevolution in populations of constant and variable size. BMC Evolutionary Biology, 2015, 15, 212.	3.2	30
105	Dynamical trade-offs arise from antagonistic coevolution and decrease intraspecific diversity. Nature Communications, 2017, 8, 2059.	5.8	30
106	Exploring and mapping the universe of evolutionary graphs identifies structural properties affecting fixation probability and time. Communications Biology, 2019, 2, 137.	2.0	30
107	Evolving synergetic interactions. Journal of the Royal Society Interface, 2016, 13, 20160282.	1.5	29
108	The Structure of Mutations and the Evolution of Cooperation. PLoS ONE, 2012, 7, e35287.	1.1	28

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109	The breakdown of genomic ancestry blocks in hybrid lineages given a finite number of recombination sites. Evolution; International Journal of Organic Evolution, 2018, 72, 735-750.	1.1	28
110	Immediate action is the best strategy when facing uncertain climate change. Nature Communications, 2018, 9, 2566.	5.8	28
111	Evolution of Microbiota–Host Associations: The Microbe's Perspective. Trends in Microbiology, 2021, 29, 779-787.	3.5	28
112	Mutualism and evolutionary multiplayer games: revisiting the Red King. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4611-4616.	1.2	27
113	Cancer initiation with epistatic interactions between driver and passenger mutations. Journal of Theoretical Biology, 2014, 358, 52-60.	0.8	27
114	When the mean is not enough: Calculating fixation time distributions in birth-death processes. Physical Review E, 2015, 92, 042154.	0.8	27
115	Evolution of resistance to COVID-19 vaccination with dynamic social distancing. Nature Human Behaviour, 2022, 6, 193-206.	6.2	27
116	Interpretations arising from Wrightian and Malthusian fitness under strong frequency dependent selection. Ecology and Evolution, 2013, 3, 1276-1280.	0.8	25
117	Dynamics of Leukemia Stem-like Cell Extinction in Acute Promyelocytic Leukemia. Cancer Research, 2014, 74, 5386-5396.	0.4	25
118	Ordering structured populations in multiplayer cooperation games. Journal of the Royal Society Interface, 2016, 13, 20150881.	1.5	25
119	Fixation probabilities in populations under demographic fluctuations. Journal of Mathematical Biology, 2018, 77, 1233-1277.	0.8	25
120	Somatic mutations and the hierarchy of hematopoiesis. BioEssays, 2010, 32, 1003-1008.	1.2	24
121	Should tissue structure suppress or amplify selection to minimize cancer risk?. Biology Direct, 2016, 11, 41.	1.9	24
122	Detecting truly clonal alterations from multi-region profiling of tumours. Scientific Reports, 2017, 7, 44991.	1.6	24
123	Ribosome reinitiation can explain length-dependent translation of messenger RNA. PLoS Computational Biology, 2017, 13, e1005592.	1.5	24
124	Heterogeneity in background fitness acts as a suppressor of selection. Journal of Theoretical Biology, 2014, 343, 178-185.	0.8	23
125	Evolution of coordinated punishment to enforce cooperation from an unbiased strategy space. Journal of the Royal Society Interface, 2019, 16, 20190127.	1.5	23
126	Fixation probabilities in network structured meta-populations. Scientific Reports, 2021, 11, 17979.	1.6	23

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127	Fixation probabilities of random mutants under frequency dependent selection. Journal of Theoretical Biology, 2010, 263, 262-268.	0.8	22
128	Discovering Complete Quasispecies in Bacterial Genomes. Genetics, 2017, 206, 2149-2157.	1.2	21
129	How many samples are needed to infer truly clonal mutations from heterogenous tumours?. BMC Cancer, 2019, 19, 403.	1.1	21
130	The fastest evolutionary trajectory. Journal of Theoretical Biology, 2007, 249, 617-623.	0.8	20
131	Multiple mutant clones in blood rarely coexist. Physical Review E, 2008, 77, 021915.	0.8	20
132	Stochastic sampling of interaction partners versus deterministic payoff assignment. Journal of Theoretical Biology, 2009, 257, 689-695.	0.8	20
133	How Life History Can Sway the Fixation Probability of Mutants. Genetics, 2016, 203, 1297-1313.	1.2	19
134	Evolution of simple multicellular life cycles in dynamic environments. Journal of the Royal Society Interface, 2019, 16, 20190054.	1.5	19
135	On the evolutionary origins of host–microbe associations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
136	Why is cyclic dominance so rare?. ELife, 2020, 9, .	2.8	19
137	Cyclic neutropenia in mammals. American Journal of Hematology, 2008, 83, 920-921.	2.0	18
138	Interacting cells driving the evolution of multicellular life cycles. PLoS Computational Biology, 2019, 15, e1006987.	1.5	18
139	Evolutionary Dynamics of Chronic Myeloid Leukemia. Genes and Cancer, 2010, 1, 309-315.	0.6	17
140	Dynamics of haemopoiesis across mammals. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2389-2392.	1.2	16
141	Plastic behaviors in hosts promote the emergence of retaliatory parasites. Scientific Reports, 2015, 4, 4251.	1.6	16
142	Which risk scenarios can drive the emergence of costly cooperation?. Scientific Reports, 2016, 6, 19269.	1.6	16
143	Invasion and effective size of graph-structured populations. PLoS Computational Biology, 2018, 14, e1006559.	1.5	16
144	The invasion of de-differentiating cancer cells into hierarchical tissues. PLoS Computational Biology, 2019, 15, e1007167.	1.5	16

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145	Evolution of multicellular life cycles under costly fragmentation. PLoS Computational Biology, 2020, 16, e1008406.	1.5	16
146	Multiscale heterogeneity in gastric adenocarcinoma evolution is an obstacle to precision medicine. Genome Medicine, 2021, 13, 177.	3.6	16
147	Cyclic neutropenia in animals. American Journal of Hematology, 2009, 84, 258-258.	2.0	15
148	Dynamics of Resistance Development to Imatinib under Increasing Selection Pressure: A Combination of Mathematical Models and In Vitro Data. PLoS ONE, 2011, 6, e28955.	1.1	15
149	Epidemic Spreading in an Animal Trade Network - Comparison of Distance-Based and Network-Based Control Measures. Transboundary and Emerging Diseases, 2016, 63, e122-e134.	1.3	15
150	Modeling host-associating microbes under selection. ISME Journal, 2021, 15, 3648-3656.	4.4	15
151	Sex or cannibalism: Polyphenism and kin recognition control social action strategies in nematodes. Science Advances, 2021, 7, .	4.7	15
152	Extinction dynamics from metastable coexistences in an evolutionary game. Physical Review E, 2017, 96, 042412.	0.8	13
153	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
154	The selection force weakens with age because ageing evolves and not vice versa. Nature Communications, 2022, 13, 686.	5.8	13
155	Reproductive fitness advantage of BCR–ABL expressing leukemia cells. Cancer Letters, 2010, 294, 43-48.	3.2	12
156	Modes of migration and multilevel selection in evolutionary multiplayer games. Journal of Theoretical Biology, 2015, 387, 144-153.	0.8	11
157	Chaotic provinces in the kingdom of the Red Queen. Journal of Theoretical Biology, 2017, 431, 1-10.	0.8	11
158	The impact of phenotypic heterogeneity of tumour cells on treatment and relapse dynamics. PLoS Computational Biology, 2021, 17, e1008702.	1.5	11
159	Understanding evolutionary and ecological dynamics using a continuum limit. Ecology and Evolution, 2021, 11, 5857-5873.	0.8	11
160	Evolutionary Games in Self-Organizing Populations. Understanding Complex Systems, 2009, , 253-267.	0.3	11
161	The allometry of chronic myeloid leukemia. Journal of Theoretical Biology, 2009, 259, 635-640.	0.8	10
162	Exploring the Link between Genetic Relatedness r and Social Contact Structure k in Animal Social Networks. American Naturalist, 2011, 177, 135-142.	1.0	10

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163	Could shame and honor save cooperation?. Communicative and Integrative Biology, 2012, 5, 209-213.	0.6	10
164	The impact of random frequency-dependent mutations on the average population fitness. BMC Evolutionary Biology, 2012, 12, 160.	3.2	10
165	Modeling evolutionary games in populations with demographic structure. Journal of Theoretical Biology, 2015, 380, 506-515.	0.8	10
166	Replicative cellular age distributions in compartmentalized tissues. Journal of the Royal Society Interface, 2018, 15, 20180272.	1.5	10
167	Ontogenic growth as the root of fundamental differences between childhood and adult cancer. Stem Cells, 2016, 34, 543-550.	1.4	9
168	Social dilemma in the external immune system of the red flour beetle? It is a matter of time. Ecology and Evolution, 2017, 7, 6758-6765.	0.8	9
169	Population size changes and extinction risk of populations driven by mutant interactors. Physical Review E, 2019, 99, 022305.	0.8	9
170	Generation of spatiotemporal correlated noise in 1+1 dimensions. Physical Review E, 2004, 69, 026116.	0.8	8
171	Impact of fraud on the mean-field dynamics of cooperative social systems. Physical Review E, 2007, 76, 026114.	0.8	8
172	Modeling treatment-dependent glioma growth including a dormant tumor cell subpopulation. BMC Cancer, 2018, 18, 376.	1.1	8
173	Explaining the in vitro and in vivo differences in leukemia therapy. Cell Cycle, 2011, 10, 1540-1544.	1.3	7
174	Evaluating the maintenance of disease-associated variation at the blood group-related gene B4galnt2 in house mice. BMC Evolutionary Biology, 2017, 17, 187.	3.2	7
175	Stochastic colonization of hosts with a finite lifespan can drive individual host microbes out of equilibrium. PLoS Computational Biology, 2020, 16, e1008392.	1.5	7
176	Coevolutionary interactions between farmers and mafia induce host acceptance of avian brood parasites. Royal Society Open Science, 2016, 3, 160036.	1.1	4
177	Vaccination strategies when vaccines are scarce: on conflicts between reducing the burden and avoiding the evolution of escape mutants. Journal of the Royal Society Interface, 2022, 19, .	1.5	4
178	Only the combination of mathematics and agent-based simulations can leverage the full potential of evolutionary modeling. Physics of Life Reviews, 2016, 19, 29-31.	1.5	3
179	Evolution of irreversible somatic differentiation. ELife, 2021, 10, .	2.8	3
180	The possible modes of microbial reproduction are fundamentally restricted by distribution of mass between parent and offspring. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122197119.	3.3	3

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181	Evolution of reproductive strategies in incipient multicellularity. Journal of the Royal Society Interface, 2022, 19, 20210716.	1.5	3
182	Stochastic gain in finite populations. Physical Review E, 2008, 78, 026108.	0.8	2
183	Modelling the dynamics of crime and punishment. Physics of Life Reviews, 2015, 12, 22-23.	1.5	2
184	CancerSim: A Cancer Simulation Package for Python 3. Journal of Open Source Software, 2020, 5, 2436.	2.0	2
185	Publisher's Note: Impact of fraud on the mean-field dynamics of cooperative social systems [Phys. Rev. E76, 026114 (2007)]. Physical Review E, 2007, 76, .	0.8	1
186	Mathematical universality and direct applicability of evolutionary games. Physics of Life Reviews, 2015, 14, 31-33.	1.5	1
187	Applying symmetries of elasticities in matrix population models. Theoretical Ecology, 2021, 14, 359-366.	0.4	1
188	Evolutionary ecology theory â€" microbial population structure. Current Opinion in Microbiology, 2021, 63, 216-220.	2.3	1
189	Evolution of fixed demographic heterogeneity from a game of stable coexistence. Demographic Research, 0, 38, 197-226.	2.0	1
190	Comprehensive Analysis of Telomere Biology in Patients with Aplastic Anemia and Hypoplastic Myelodysplastic Syndrome: Further Evidence for a Common Mechanism. Blood, 2015, 126, 2858-2858.	0.6	1
191	The effect of microbial selection on the occurrence-abundance patterns of microbiomes. Journal of the Royal Society Interface, 2022, 19, 20210717.	1.5	1
192	Evolutionary Dynamics of Mutations in Hematopoietic Stem Cells and Beyond. , 2012, , 115-123.		0
193	Response to the Editor: On the Growth of Hematopoietic Stem Cells and Childhood Leukemias. Stem Cells, 2016, 34, 2610-2610.	1.4	0
194	Die Evolution und der Zusammenbruch von Kooperation: Wie Einzelne das Gemeinwohl gefährden können. , 2018, , 59-68.		0
195	Killer on the road?â€"cells from pancreatic preneoplastic lesions disseminate through pancreatic ducts on their way to cancer. Hepatobiliary Surgery and Nutrition, 2019, 8, 392-394.	0.7	0
196	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.	0.2	0
197	Title is missing!. , 2020, 16, e1008392.		0
198	Title is missing!. , 2020, 16, e1008392.		0

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199	Title is missing!. , 2020, 16, e1008392.		0
200	Title is missing!. , 2020, 16, e1008392.		0
201	Title is missing!. , 2020, 16, e1008392.		0
202	Title is missing!. , 2020, 16, e1008392.		0
203	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
204	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
205	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
206	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
207	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
208	Evolution of multicellular life cycles under costly fragmentation. , 2020, 16, e1008406.		0
209	On the effect of inheritance of microbes in commensal microbiomes. Bmc Ecology and Evolution, 2022, 22, .	0.7	0