

Martin A Nowak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

228
papers

44,053
citations

82
h-index

209
g-index

244
ext. papers

51,233
ext. citations

15
avg, IF

7.99
L-index

#	Paper	IF	Citations
228	Infection dynamics of COVID-19 virus under lockdown and reopening.. <i>Scientific Reports</i> , 2022 , 12, 1526	4.9	1
227	Cooperation in alternating interactions with memory constraints.. <i>Nature Communications</i> , 2022 , 13, 737	17.4	1
226	Evolution of resistance to COVID-19 vaccination with dynamic social distancing.. <i>Nature Human Behaviour</i> , 2022 , 6, 193-206	12.8	1
225	Increased stem cell proliferation in atherosclerosis accelerates clonal hematopoiesis. <i>Cell</i> , 2021 , 184, 1348-1361.e22	56.2	49
224	A unified framework of direct and indirect reciprocity. <i>Nature Human Behaviour</i> , 2021 , 5, 1292-1302	12.8	15
223	Evolution of delayed resistance to immunotherapy in a melanoma responder. <i>Nature Medicine</i> , 2021 , 27, 985-992	50.5	11
222	Fast and strong amplifiers of natural selection. <i>Nature Communications</i> , 2021 , 12, 4009	17.4	8
221	The Great Oxygenation Event as a consequence of ecological dynamics modulated by planetary change. <i>Nature Communications</i> , 2021 , 12, 3985	17.4	5
220	Turbulent coherent structures and early life below the Kolmogorov scale. <i>Nature Communications</i> , 2020 , 11, 2192	17.4	7
219	The Evolutionary Origins of Recurrent Pancreatic Cancer. <i>Cancer Discovery</i> , 2020 , 10, 792-805	24.4	33
218	Population structure across scales facilitates coexistence and spatial heterogeneity of antibiotic-resistant infections. <i>PLoS Computational Biology</i> , 2020 , 16, e1008010	5	10
217	Limits on amplifiers of natural selection under death-Birth updating. <i>PLoS Computational Biology</i> , 2020 , 16, e1007494	5	20
216	The Moran process on 2-chromatic graphs. <i>PLoS Computational Biology</i> , 2020 , 16, e1008402	5	3
215	Social goods dilemmas in heterogeneous societies. <i>Nature Human Behaviour</i> , 2020 , 4, 819-831	12.8	11
214	An evolutionary explanation for ineffective altruism. <i>Nature Human Behaviour</i> , 2020 , 4, 1245-1257	12.8	8
213	Evolving cooperation in multichannel games. <i>Nature Communications</i> , 2020 , 11, 3885	17.4	9
212	Variation in Genetic Relatedness Is Determined by the Aggregate Recombination Process. <i>Genetics</i> , 2020 , 216, 985-994	4	4

211	An analysis of genetic heterogeneity in untreated cancers. <i>Nature Reviews Cancer</i> , 2019 , 19, 639-650	31.3	71
210	Cooperative adaptation to therapy (CAT) confers resistance in heterogeneous non-small cell lung cancer. <i>PLoS Computational Biology</i> , 2019 , 15, e1007278	5	14
209	Consecutive seeding and transfer of genetic diversity in metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14129-14137	11.5	21
208	Growth dynamics in naturally progressing chronic lymphocytic leukaemia. <i>Nature</i> , 2019 , 570, 474-479	50.4	47
207	Population structure determines the tradeoff between fixation probability and fixation time. <i>Communications Biology</i> , 2019 , 2, 138	6.7	20
206	Reactive learning strategies for iterated games. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20180819	2.4	3
205	Spatiotemporal regulation of clonogenicity in colorectal cancer xenografts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6140-6145	11.5	31
204	Evolution of cooperation on large networks with community structure. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20180677	4.1	50
203	Environmental fitness heterogeneity in the Moran process. <i>Royal Society Open Science</i> , 2019 , 6, 181661	3.3	5
202	Daisy-chain gene drives for the alteration of local populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8275-8282	11.5	93
201	Social dilemmas among unequals. <i>Nature</i> , 2019 , 572, 524-527	50.4	38
200	Evolutionary games on isothermal graphs. <i>Nature Communications</i> , 2019 , 10, 5107	17.4	12
199	Evolutionary dynamics with game transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 25398-25404	11.5	30
198	A two-player iterated survival game. <i>Theoretical Population Biology</i> , 2019 , 125, 38-55	1.2	5
197	A rigorous measure of genome-wide genetic shuffling that takes into account crossover positions and Mendel's second law. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1659-1668	11.5	21
196	Indirect reciprocity with optional games and monitoring of interactions between defectors. <i>Mathematical Biosciences</i> , 2019 , 310, 108-119	3.9	
195	Primordial sex facilitates the emergence of evolution. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	5
194	Public goods games in populations with fluctuating size. <i>Theoretical Population Biology</i> , 2018 , 121, 72-84	1.2	23

193	Crosstalk in concurrent repeated games impedes direct reciprocity and requires stronger levels of forgiveness. <i>Nature Communications</i> , 2018 , 9, 555	17.4	17
192	Development of an oral once-weekly drug delivery system for HIV antiretroviral therapy. <i>Nature Communications</i> , 2018 , 9, 2	17.4	120
191	Language acquisition with communication between learners. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	1
190	Partners and rivals in direct reciprocity. <i>Nature Human Behaviour</i> , 2018 , 2, 469-477	12.8	51
189	Evolution of cooperation in stochastic games. <i>Nature</i> , 2018 , 559, 246-249	50.4	80
188	Insight into treatment of HIV infection from viral dynamics models. <i>Immunological Reviews</i> , 2018 , 285, 9-25	11.3	33
187	Construction of arbitrarily strong amplifiers of natural selection using evolutionary graph theory. <i>Communications Biology</i> , 2018 , 1, 71	6.7	26
186	Life cycle synchronization is a viral drug resistance mechanism. <i>PLoS Computational Biology</i> , 2018 , 14, e1005947	5	16
185	How Virtue Was Born. <i>Gerontology</i> , 2018 , 64, 201-204	5.5	5
184	Indirect reciprocity with private, noisy, and incomplete information. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12241-12246	11.5	48
183	Stationary frequencies and mixing times for neutral drift processes with spatial structure. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018 , 474, 20180238 ²⁻⁴	33.3	3
182	Selection for synchronized cell division in simple multicellular organisms. <i>Journal of Theoretical Biology</i> , 2018 , 457, 170-179	2.3	5
181	Minimal functional driver gene heterogeneity among untreated metastases. <i>Science</i> , 2018 , 361, 1033-1037	33.3	147
180	Precancerous neoplastic cells can move through the pancreatic ductal system. <i>Nature</i> , 2018 , 561, 201-205	50.4	55
179	The signal-burying game can explain why we obscure positive traits and good deeds. <i>Nature Human Behaviour</i> , 2018 , 2, 397-404	12.8	9
178	Conjoining uncooperative societies facilitates evolution of cooperation. <i>Nature Human Behaviour</i> , 2018 , 2, 492-499	12.8	26
177	Current CRISPR gene drive systems are likely to be highly invasive in wild populations. <i>ELife</i> , 2018 , 7,	8.9	96
176	Reconstructing metastatic seeding patterns of human cancers. <i>Nature Communications</i> , 2017 , 8, 14114	17.4	79

175	Limited heterogeneity of known driver gene mutations among the metastases of individual patients with pancreatic cancer. <i>Nature Genetics</i> , 2017 , 49, 358-366	36.3	228
174	Memory- strategies of direct reciprocity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4715-4720	11.5	54
173	The general form of Hamilton's rule makes no predictions and cannot be tested empirically. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5665-5670	11.5	27
172	The timetable of evolution. <i>Science Advances</i> , 2017 , 3, e1603076	14.3	115
171	The Red Queen and King in finite populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5396-E5405	11.5	15
170	Genes, environment, and "bad luck". <i>Science</i> , 2017 , 355, 1266-1267	33.3	31
169	Evolutionary dynamics of CRISPR gene drives. <i>Science Advances</i> , 2017 , 3, e1601964	14.3	134
168	Evolutionary dynamics on any population structure. <i>Nature</i> , 2017 , 544, 227-230	50.4	198
167	Effects of motion in structured populations. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	7
166	Optional interactions and suspicious behaviour facilitates trustful cooperation in prisoners dilemma. <i>Journal of Theoretical Biology</i> , 2017 , 433, 64-72	2.3	3
165	Drift-Induced Selection Between Male and Female Heterogamety. <i>Genetics</i> , 2017 , 207, 711-727	4	24
164	Origins of lymphatic and distant metastases in human colorectal cancer. <i>Science</i> , 2017 , 357, 55-60	33.3	239
163	Amplification on Undirected Population Structures: Comets Beat Stars. <i>Scientific Reports</i> , 2017 , 7, 82	4.9	24
162	Resisting Resistance. <i>Annual Review of Cancer Biology</i> , 2017 , 1, 203-221	13.3	32
161	Prebiotic selection for motifs in a model of template-free elongation of polymers within compartments. <i>PLoS ONE</i> , 2017 , 12, e0180208	3.7	6
160	Uncalculating cooperation is used to signal trustworthiness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8658-63	11.5	77
159	Clonal evolution in patients with chronic lymphocytic leukaemia developing resistance to BTK inhibition. <i>Nature Communications</i> , 2016 , 7, 11589	17.4	220
158	Comparing reactive and memory-one strategies of direct reciprocity. <i>Scientific Reports</i> , 2016 , 6, 25676	4.9	29

157	Fixation Probabilities for Any Configuration of Two Strategies on Regular Graphs. <i>Scientific Reports</i> , 2016 , 6, 39181	4.9	10
156	Evolution of worker policing. <i>Journal of Theoretical Biology</i> , 2016 , 399, 103-16	2.3	16
155	Quantifying Clonal and Subclonal Passenger Mutations in Cancer Evolution. <i>PLoS Computational Biology</i> , 2016 , 12, e1004731	5	78
154	Phenotypic Heterogeneity and the Evolution of Bacterial Life Cycles. <i>PLoS Computational Biology</i> , 2016 , 12, e1004764	5	20
153	Tumour and immune cell dynamics explain the PSA bounce after prostate cancer brachytherapy. <i>British Journal of Cancer</i> , 2016 , 115, 195-202	8.7	23
152	Think global, act local: Preserving the global commons. <i>Scientific Reports</i> , 2016 , 6, 36079	4.9	30
151	An exactly solvable, spatial model of mutation accumulation in cancer. <i>Scientific Reports</i> , 2016 , 6, 39511	4.9	3
150	Games of multicellularity. <i>Journal of Theoretical Biology</i> , 2016 , 403, 143-158	2.3	14
149	Dynamics of prebiotic RNA reproduction illuminated by chemical game theory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5030-5	11.5	20
148	The Trivers-Willard hypothesis: sex ratio or investment?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	25
147	Imperfect drug penetration leads to spatial monotherapy and rapid evolution of multidrug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2874-83	11.5	85
146	The molecular clock of neutral evolution can be accelerated or slowed by asymmetric spatial structure. <i>PLoS Computational Biology</i> , 2015 , 11, e1004108	5	32
145	Biological auctions with multiple rewards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20151041	4.4	4
144	Inclusive fitness theorizing invokes phenomena that are not relevant for the evolution of eusociality. <i>PLoS Biology</i> , 2015 , 13, e1002134	9.7	21
143	Spatial heterogeneity in drug concentrations can facilitate the emergence of resistance to cancer therapy. <i>PLoS Computational Biology</i> , 2015 , 11, e1004142	5	69
142	Games among relatives revisited. <i>Journal of Theoretical Biology</i> , 2015 , 378, 103-16	2.3	32
141	Evolutionary performance of zero-determinant strategies in multiplayer games. <i>Journal of Theoretical Biology</i> , 2015 , 374, 115-24	2.3	45
140	Evolution and emergence of infectious diseases in theoretical and real-world networks. <i>Nature Communications</i> , 2015 , 6, 6101	17.4	75

139	Vertical suppression of the EGFR pathway prevents onset of resistance in colorectal cancers. <i>Nature Communications</i> , 2015 , 6, 8305	17.4	80
138	Mutations driving CLL and their evolution in progression and relapse. <i>Nature</i> , 2015 , 526, 525-30	50.4	658
137	A spatial model predicts that dispersal and cell turnover limit intratumour heterogeneity. <i>Nature</i> , 2015 , 525, 261-4	50.4	326
136	Only three driver gene mutations are required for the development of lung and colorectal cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 118-23	11.5	248
135	Indirect reciprocity with optional interactions. <i>Journal of Theoretical Biology</i> , 2015 , 365, 1-11	2.3	35
134	Payoff components and their effects in a spatial three-strategy evolutionary social dilemma. <i>Physical Review E</i> , 2015 , 92, 012813	2.4	12
133	Cellular cooperation with shift updating and repulsion. <i>Scientific Reports</i> , 2015 , 5, 17147	4.9	8
132	An experimental investigation of evolutionary dynamics in the Rock-Paper-Scissors game. <i>Scientific Reports</i> , 2015 , 5, 8817	4.9	15
131	Extended flowering intervals of bamboos evolved by discrete multiplication. <i>Ecology Letters</i> , 2015 , 18, 653-9	10	27
130	Indirect Reciprocity with Optional Interactions and Private Information. <i>Games</i> , 2015 , 6, 438-457	0.9	19
129	Computational complexity of ecological and evolutionary spatial dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15636-41	11.5	27
128	Four classes of interactions for evolutionary games. <i>Physical Review E</i> , 2015 , 92, 022820	2.4	23
127	Cooperate without looking: why we care what people think and not just what they do. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1727-32	11.5	98
126	Quantitative Clonal Dynamics Define Mechanisms of CLL Evolution in Response to Combination Chemotherapy. <i>Blood</i> , 2015 , 126, 362-362	2.2	3
125	Reputation Effects in Public and Private Interactions. <i>PLoS Computational Biology</i> , 2015 , 11, e1004527	5	34
124	The evolution of non-reproductive workers in insect colonies with haplodiploid genetics. <i>ELife</i> , 2015 , 4, e08918	8.9	16
123	Optional games on cycles and complete graphs. <i>Journal of Theoretical Biology</i> , 2014 , 356, 98-112	2.3	24
122	Cooperation and control in multiplayer social dilemmas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16425-30	11.5	83

121	Timing and heterogeneity of mutations associated with drug resistance in metastatic cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15964-8	11.5	74
120	Humans display a cooperative phenotype that is domain general and temporally stable. <i>Nature Communications</i> , 2014 , 5, 4939	17.4	252
119	Punishment does not promote cooperation under exploration dynamics when anti-social punishment is possible. <i>Journal of Theoretical Biology</i> , 2014 , 360, 163-171	2.3	42
118	Stochastic evolution of staying together. <i>Journal of Theoretical Biology</i> , 2014 , 360, 129-136	2.3	5
117	Evolution of staying together in the context of diffusible public goods. <i>Journal of Theoretical Biology</i> , 2014 , 360, 1-12	2.3	10
116	Cooperating with the future. <i>Nature</i> , 2014 , 511, 220-3	50.4	254
115	Evolutionary dynamics of infectious diseases in finite populations. <i>Journal of Theoretical Biology</i> , 2014 , 360, 149-162	2.3	10
114	Computer simulations of cellular group selection reveal mechanism for sustaining cooperation. <i>Journal of Theoretical Biology</i> , 2014 , 357, 123-33	2.3	10
113	Heterogeneity in background fitness acts as a suppressor of selection. <i>Journal of Theoretical Biology</i> , 2014 , 343, 178-85	2.3	21
112	Transitions in social complexity along elevational gradients reveal a combined impact of season length and development time on social evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	39
111	Universality of fixation probabilities in randomly structured populations. <i>Scientific Reports</i> , 2014 , 4, 6692	4.9	25
110	Social heuristics shape intuitive cooperation. <i>Nature Communications</i> , 2014 , 5, 3677	17.4	387
109	Natural selection drives the evolution of ant life cycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12585-90	11.5	25
108	Games on graphs. <i>EMS Surveys in Mathematical Sciences</i> , 2014 , 1, 113-151	1.4	98
107	The time scale of evolutionary innovation. <i>PLoS Computational Biology</i> , 2014 , 10, e1003818	5	21
106	Fourier decomposition of payoff matrix for symmetric three-strategy games. <i>Physical Review E</i> , 2014 , 90, 042811	2.4	16
105	Static network structure can stabilize human cooperation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17093-8	11.5	166
104	Religious motivations for cooperation: an experimental investigation using explicit primes. <i>Religion, Brain and Behavior</i> , 2014 , 4, 31-48	0.6	20

103	Global migration can lead to stronger spatial selection than local migration. <i>Journal of Statistical Physics</i> , 2013 , 151, 637-653	1.5	46
102	Human cooperation. <i>Trends in Cognitive Sciences</i> , 2013 , 17, 413-25	14	755
101	Evolution of fairness in the one-shot anonymous Ultimatum Game. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2581-6	11.5	140
100	Limitations of inclusive fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20135-9	11.5	85
99	Evolutionary construction by staying together and coming together. <i>Journal of Theoretical Biology</i> , 2013 , 320, 10-22	2.3	74
98	The effect of one additional driver mutation on tumor progression. <i>Evolutionary Applications</i> , 2013 , 6, 34-45	4.8	26
97	Rand et al. reply. <i>Nature</i> , 2013 , 498, E2-E3	50.4	24
96	Massively Parallel Model of Extended Memory Use in Evolutionary Game Dynamics 2013 ,		1
95	Selection for replicases in protocells. <i>PLoS Computational Biology</i> , 2013 , 9, e1003051	5	23
94	Evolution of extortion in Iterated Prisoner's Dilemma games. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6913-8	11.5	169
93	Powering up with indirect reciprocity in a large-scale field experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110 Suppl 2, 10424-9	11.5	155
92	Evolutionary dynamics of cancer in response to targeted combination therapy. <i>ELife</i> , 2013 , 2, e00747	8.9	400
91	Adaptive dynamics of extortion and compliance. <i>PLoS ONE</i> , 2013 , 8, e77886	3.7	57
90	Forgiver triumphs in alternating Prisoner's Dilemma. <i>PLoS ONE</i> , 2013 , 8, e80814	3.7	20
89	Spatial dilemmas of diffusible public goods. <i>ELife</i> , 2013 , 2, e01169	8.9	85
88	TTP: Tool for Tumor Progression. <i>Lecture Notes in Computer Science</i> , 2013 , 101-106	0.9	6
87	How mutation affects evolutionary games on graphs. <i>Journal of Theoretical Biology</i> , 2012 , 299, 97-105	2.3	62
86	Evolving cooperation. <i>Journal of Theoretical Biology</i> , 2012 , 299, 1-8	2.3	149

85	From prelife to life: how chemical kinetics become evolutionary dynamics. <i>Accounts of Chemical Research</i> , 2012 , 45, 2088-96	24.3	40
84	Direct reciprocity in structured populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9929-34	11.5	130
83	The molecular evolution of acquired resistance to targeted EGFR blockade in colorectal cancers. <i>Nature</i> , 2012 , 486, 537-40	50.4	1272
82	Antiretroviral dynamics determines HIV evolution and predicts therapy outcome. <i>Nature Medicine</i> , 2012 , 18, 1378-85	50.5	128
81	Nowak et al. reply. <i>Nature</i> , 2011 , 471, E9-E10	50.4	55
80	The evolution of eusociality. <i>Nature</i> , 2010 , 466, 1057-62	50.4	809
79	Distant metastasis occurs late during the genetic evolution of pancreatic cancer. <i>Nature</i> , 2010 , 467, 1114-17	50.4	1834
78	Stochastic evolutionary dynamics of direct reciprocity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 463-8	4.4	58
77	Evolutionary dynamics in structured populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 19-30	5.8	315
76	Accumulation of driver and passenger mutations during tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18545-50	11.5	574
75	Evolutionary dynamics on graphs: Efficient method for weak selection. <i>Physical Review E</i> , 2009 , 79, 046704	7.4	72
74	Weighing Reward and Punishment--Response. <i>Science</i> , 2009 , 326, 1632-1633	33.3	1
73	Evolutionary dynamics in set structured populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 8601-4	11.5	185
72	Strategy selection in structured populations. <i>Journal of Theoretical Biology</i> , 2009 , 259, 570-81	2.3	168
71	Winners don't punish. <i>Nature</i> , 2008 , 452, 348-51	50.4	531
70	Public goods with punishment and abstaining in finite and infinite populations. <i>Biological Theory</i> , 2008 , 3, 114-122	1.7	54
69	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, 4283-8	11.5	616
68	Prevolutionary dynamics and the origin of evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14924-7	11.5	70

67	Analytical results for individual and group selection of any intensity. <i>Bulletin of Mathematical Biology</i> , 2008 , 70, 1410-24	2.1	119
66	Pairwise comparison and selection temperature in evolutionary game dynamics. <i>Journal of Theoretical Biology</i> , 2007 , 246, 522-9	2.3	236
65	Direct reciprocity on graphs. <i>Journal of Theoretical Biology</i> , 2007 , 247, 462-70	2.3	55
64	Evolutionary graph theory: breaking the symmetry between interaction and replacement. <i>Journal of Theoretical Biology</i> , 2007 , 246, 681-94	2.3	137
63	Tit-for-tat or win-stay, lose-shift?. <i>Journal of Theoretical Biology</i> , 2007 , 247, 574-80	2.3	120
62	Upstream reciprocity and the evolution of gratitude. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 605-9	4.4	165
61	Via freedom to coercion: the emergence of costly punishment. <i>Science</i> , 2007 , 316, 1905-7	33.3	517
60	Breaking the symmetry between interaction and replacement in evolutionary dynamics on graphs. <i>Physical Review Letters</i> , 2007 , 98, 108106	7.4	199
59	Evolutionary games on cycles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2249-56	4.4	165
58	Stochastic dynamics of invasion and fixation. <i>Physical Review E</i> , 2006 , 74, 011909	2.4	348
57	Evolution of cooperation by multilevel selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10952-5	11.5	592
56	Five rules for the evolution of cooperation. <i>Science</i> , 2006 , 314, 1560-3	33.3	3388
55	Evolutionary game dynamics in finite populations with strong selection and weak mutation. <i>Theoretical Population Biology</i> , 2006 , 70, 352-63	1.2	113
54	A simple rule for the evolution of cooperation on graphs and social networks. <i>Nature</i> , 2006 , 441, 502-5	50.4	1397
53	Stochastic dynamics of metastasis formation. <i>Journal of Theoretical Biology</i> , 2006 , 240, 521-30	2.3	52
52	Genetic instability and clonal expansion. <i>Journal of Theoretical Biology</i> , 2006 , 241, 26-32	2.3	25
51	Evolutionary Dynamics 2006 ,		1369
50	Evolutionary dynamics on graphs. <i>Nature</i> , 2005 , 433, 312-6	50.4	810

49	Evolution of indirect reciprocity. <i>Nature</i> , 2005 , 437, 1291-8	50.4	1669
48	Evolutionary cycles of cooperation and defection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10797-800	11.5	247
47	Evolutionary dynamics of tumor suppressor gene inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10635-8	11.5	81
46	Emergence of cooperation and evolutionary stability in finite populations. <i>Nature</i> , 2004 , 428, 646-50	50.4	900
45	Prisoners of the dilemma. <i>Nature</i> , 2004 , 427, 491	50.4	5
44	Theory is available light. <i>Current Biology</i> , 2004 , 14, R406-7	6.3	1
43	Evolutionary game dynamics in finite populations. <i>Bulletin of Mathematical Biology</i> , 2004 , 66, 1621-44	2.1	279
42	Evolutionary dynamics of biological games. <i>Science</i> , 2004 , 303, 793-9	33.3	725
41	The linear process of somatic evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14966-9	11.5	149
40	Language dynamics in finite populations. <i>Journal of Theoretical Biology</i> , 2003 , 221, 445-57	2.3	24
39	Computational and evolutionary aspects of language. <i>Nature</i> , 2002 , 417, 611-7	50.4	251
38	The evolutionary dynamics of grammar acquisition. <i>Journal of Theoretical Biology</i> , 2001 , 209, 43-59	2.3	100
37	The dynamics of hepatitis B virus infection. <i>World Scientific Series in 20th Century Biology</i> , 2000 , 363-367		
36	Analysis of a Cellular Model to Account for the Natural History of Infection by the Hepatitis B Virus and its Role in the Development of Primary Hepatocellular Carcinoma. <i>World Scientific Series in 20th Century Biology</i> , 2000 , 337-362		
35	The continuous prisoner's dilemma: I. linear reactive strategies. <i>Journal of Theoretical Biology</i> , 1999 , 200, 307-21	2.3	90
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