

John M Mcnamara

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

6,780
citations

94433

37
h-index

62596

80
g-index

87
all docs

87
docs citations

87
times ranked

5105
citing authors

#	ARTICLE	IF	CITATIONS
1	Game Theory in Biology: Moving beyond Functional Accounts. <i>American Naturalist</i> , 2022, 199, 179-193.	2.1	6
2	An evolutionary perspective on stress responses, damage and repair. <i>Hormones and Behavior</i> , 2022, 142, 105180.	2.1	9
3	Towards an Evolutionary Theory of Stress Responses. <i>Trends in Ecology and Evolution</i> , 2021, 36, 39-48.	8.7	58
4	Learning, exploitation and bias in games. <i>PLoS ONE</i> , 2021, 16, e0246588.	2.5	6
5	Matching Behaviours and Rewards. <i>Trends in Cognitive Sciences</i> , 2021, 25, 403-415.	7.8	13
6	The evolution of social learning as phenotypic cue integration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200048.	4.0	3
7	Behavioural flexibility and reputation formation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201758.	2.6	5
8	Environmental variability, reliability of information and the timing of migration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200622.	2.6	22
9	Game Theory in Biology. , 2020, , .		54
10	Learning leads to bounded rationality and the evolution of cognitive bias in public goods games. <i>Scientific Reports</i> , 2019, 9, 16319.	3.3	13
11	Sequential choices using signal detection theory can reverse classical predictions. <i>Behavioral Ecology</i> , 2019, 30, 16-19.	2.2	11
12	Ecological Genetic Conflict: Genetic Architecture Can Shift the Balance between Local Adaptation and Plasticity. <i>American Naturalist</i> , 2019, 193, 70-80.	2.1	8
13	Trust your gut: using physiological states as a source of information is almost as effective as optimal Bayesian learning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172411.	2.6	18
14	Optimal gut size of small birds and its dependence on environmental and physiological parameters. <i>Journal of Theoretical Biology</i> , 2018, 454, 357-366.	1.7	2
15	Echoes of Early Life: Recent Insights From Mathematical Modeling. <i>Child Development</i> , 2018, 89, 1504-1518.	3.0	23
16	Gradients of season length and mortality risk cause shifts in body size, reserves and reproductive strategies of determinate growers. <i>Functional Ecology</i> , 2018, 32, 2395-2406.	3.6	13
17	The erroneous signals of detection theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171852.	2.6	27
18	Towards a behavioural ecology of obesity. <i>Behavioral and Brain Sciences</i> , 2017, 40, e118.	0.7	1

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19	Genes as Cues of Relatedness and Social Evolution in Heterogeneous Environments. PLoS Computational Biology, 2016, 12, e1005006.	3.2	9
20	Detection vs. selection: integration of genetic, epigenetic and environmental cues in fluctuating environments. Ecology Letters, 2016, 19, 1267-1276.	6.4	117
21	Fatness and fitness: exposing the logic of evolutionary explanations for obesity. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152443.	2.6	31
22	Cross inhibition improves activity selection when switching incurs time costs. Environmental Epigenetics, 2015, 61, 242-250.	1.8	17
23	Adaptive learning can result in a failure to profit from good conditions: implications for understanding depression. Evolution, Medicine and Public Health, 2015, 2015, 123-135.	2.5	22
24	The Evolution of Transgenerational Integration of Information in Heterogeneous Environments. American Naturalist, 2015, 185, E55-E69.	2.1	170
25	Sexual conflict over parental care promotes the evolution of sex differences in care and the ability to care. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142752.	2.6	31
26	Reputation can enhance or suppress cooperation through positive feedback. Nature Communications, 2015, 6, 6134.	12.8	32
27	Risk attitudes in a changing environment: An evolutionary model of the fourfold pattern of risk preferences.. Psychological Review, 2015, 122, 364-375.	3.8	20
28	Genes as cues: phenotypic integration of genetic and epigenetic information from a Darwinian perspective. Trends in Ecology and Evolution, 2015, 30, 327-333.	8.7	102
29	Costs of Foraging Predispose Animals to Obesity-Related Mortality when Food Is Constantly Abundant. PLoS ONE, 2015, 10, e0141811.	2.5	11
30	The evolution of decision rules in complex environments. Trends in Cognitive Sciences, 2014, 18, 153-161.	7.8	196
31	The starvation‐predation trade-off shapes the strategic use of protein for energy during fasting. Journal of Theoretical Biology, 2014, 359, 208-219.	1.7	39
32	On evolutionary explanations of cognitive biases. Trends in Ecology and Evolution, 2013, 28, 469-473.	8.7	72
33	An Adaptive Response to Uncertainty Generates Positive and Negative Contrast Effects. Science, 2013, 340, 1084-1086.	12.6	83
34	Towards a richer evolutionary game theory. Journal of the Royal Society Interface, 2013, 10, 20130544.	3.4	88
35	On the Evolution and Optimality of Mood States. Behavioral Sciences (Basel, Switzerland), 2013, 3, 501-521.	2.1	46
36	It is optimal to be optimistic about survival. Biology Letters, 2012, 8, 516-519.	2.3	9

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37	Is optimism optimal? Functional causes of apparent behavioural biases. <i>Behavioural Processes</i> , 2012, 89, 172-178.	1.1	18
38	Timing of avian reproduction in unpredictable environments. <i>Evolutionary Ecology</i> , 2012, 26, 25-42.	1.2	20
39	Environmental variability can select for optimism or pessimism. <i>Ecology Letters</i> , 2011, 14, 58-62.	6.4	32
40	The evolution of unconditional strategies via the "multiplier effect". <i>Ecology Letters</i> , 2011, 14, 237-243.	6.4	36
41	Cues and the optimal timing of activities under environmental changes. <i>Ecology Letters</i> , 2011, 14, 1183-1190.	6.4	125
42	The state of Darwinian theory. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 417-420.	1.4	10
43	Variation and the response to variation as a basis for successful cooperation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2627-2633.	4.0	121
44	The optimal coyness game. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 953-960.	2.6	21
45	Deterioration, death and the evolution of reproductive restraint in late life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4061-4066.	2.6	125
46	Evolution of trust and trustworthiness: social awareness favours personality differences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 605-613.	2.6	128
47	Integrating function and mechanism. <i>Trends in Ecology and Evolution</i> , 2009, 24, 670-675.	8.7	302
48	Should females prefer to mate with low-quality males?. <i>Journal of Theoretical Biology</i> , 2008, 254, 561-567.	1.7	20
49	The coevolution of choosiness and cooperation. <i>Nature</i> , 2008, 451, 189-192.	27.8	231
50	A Theoretical Investigation of the Effect of Latitude on Avian Life Histories. <i>American Naturalist</i> , 2008, 172, 331-345.	2.1	79
51	Optimal annual routines: behaviour in the context of physiology and ecology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 301-319.	4.0	170
52	Introduction. Adaptation to the annual cycle. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 209-210.	4.0	2
53	Do we expect natural selection to produce rational behaviour?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1531-1543.	4.0	92
54	Cooperation should not be assumed. <i>Trends in Ecology and Evolution</i> , 2006, 21, 476-478.	8.7	12

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55	John Maynard Smith and the importance of consistency in evolutionary game theory. <i>Biology and Philosophy</i> , 2006, 20, 933-950.	1.4	87
56	If animals know their own fighting ability, the evolutionarily stable level of fighting is reduced. <i>Journal of Theoretical Biology</i> , 2005, 232, 1-6.	1.7	24
57	A theoretical investigation of the effect of predators on foraging behaviour and energy reserves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 929-934.	2.6	48
58	Variation in behaviour promotes cooperation in the Prisoner's Dilemma game. <i>Nature</i> , 2004, 428, 745-748.	27.8	159
59	Measurement error and estimates of population extinction risk. <i>Ecology Letters</i> , 2004, 7, 16-20.	6.4	22
60	The effects of background mortality on optimal reproduction in a seasonal environment. <i>Theoretical Population Biology</i> , 2004, 65, 361-372.	1.1	28
61	Quantifying male attractiveness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1925-1932.	2.6	12
62	Credible threats and promises. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1607-1616.	4.0	40
63	A Dynamic Game-theoretic Model of Parental Care. <i>Journal of Theoretical Biology</i> , 2000, 205, 605-623.	1.7	125
64	Adaptive accounts of physiology and emotion. <i>Behavioral and Brain Sciences</i> , 2000, 23, 201-202.	0.7	0
65	Incorporating rules for responding into evolutionary games. <i>Nature</i> , 1999, 401, 368-371.	27.8	404
66	An ESS model for divorce strategies in birds. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999, 354, 223-236.	4.0	33
67	Effects of parental survival on clutch size decisions in fluctuating environments. <i>Evolutionary Ecology</i> , 1998, 12, 459-475.	1.2	9
68	A critical analysis of the titration procedure introduced by Abrahams and Dill (1989). <i>Behavioral Ecology and Sociobiology</i> , 1998, 44, 143-146.	1.4	2
69	Phenotypic plasticity in fluctuating environments: consequences of the lack of individual optimization. <i>Behavioral Ecology</i> , 1998, 9, 642-648.	2.2	27
70	Female choice of matings to maximise parental care.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 173-179.	2.6	23
71	Patch choice and population size. <i>Evolutionary Ecology</i> , 1997, 11, 703-722.	1.2	16
72	A General Technique for Computing Evolutionarily Stable Strategies Based on Errors in Decision-making. <i>Journal of Theoretical Biology</i> , 1997, 189, 211-225.	1.7	68

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73	Ideal free distributions under predation risk. <i>Behavioral Ecology and Sociobiology</i> , 1996, 38, 131-143.	1.4	79
74	State-dependent life histories. <i>Nature</i> , 1996, 380, 215-221.	27.8	755
75	Risk-Prone Behaviour Under Rules Which Have Evolved in a Changing Environment. <i>American Zoologist</i> , 1996, 36, 484-495.	0.7	121
76	Phenotypic plasticity as a state-dependent life-history decision. <i>Evolutionary Ecology</i> , 1992, 6, 243-253.	1.2	185
77	State-dependent life-history theory and its implications for optimal clutch size. <i>Evolutionary Ecology</i> , 1992, 6, 170-185.	1.2	76
78	The next state of the art. <i>Behavioral and Brain Sciences</i> , 1991, 14, 100-100.	0.7	0
79	Evolutionarily stable strategies in the repeated hawk-dove game. <i>Behavioral Ecology</i> , 1991, 2, 219-227.	2.2	37
80	Dynamic models in behavioural and evolutionary ecology. <i>Nature</i> , 1988, 332, 29-34.	27.8	340
81	A framework for the functional analysis of behaviour. <i>Behavioral and Brain Sciences</i> , 1988, 11, 117-130.	0.7	263
82	There's no such thing as a free lunch. <i>Behavioral and Brain Sciences</i> , 1988, 11, 154-163.	0.7	1
83	In delay there lies no plenty. <i>Behavioral and Brain Sciences</i> , 1988, 11, 686-687.	0.7	1
84	Starvation and Predation as Factors Limiting Population Size. <i>Ecology</i> , 1987, 68, 1515-1519.	3.2	465
85	Imperfectly optimal animals. <i>Behavioral Ecology and Sociobiology</i> , 1984, 15, 61-64.	1.4	70
86	The application of statistical decision theory to animal behaviour. <i>Journal of Theoretical Biology</i> , 1980, 85, 673-690.	1.7	329