

Rufus A Johnstone

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

8,703
citations

53794

45
h-index

43889

91
g-index

101
all docs

101
docs citations

101
times ranked

5546
citing authors

#	ARTICLE	IF	CITATIONS
1	Untangling the oxidative cost of reproduction: An analysis in wild banded mongooses. <i>Ecology and Evolution</i> , 2022, 12, e8644.	1.9	4
2	Evolution of epigenetic transmission when selection acts on fecundity versus viability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200128.	4.0	3
3	A long postreproductive life span is a shared trait among genetically distinct killer whale populations. <i>Ecology and Evolution</i> , 2021, 11, 9123-9136.	1.9	14
4	Kinship dynamics: patterns and consequences of changes in local relatedness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211129.	2.6	27
5	Exploitative leaders incite intergroup warfare in a social mammal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29759-29766.	7.1	29
6	Coping with strangers: how familiarity and active interactions shape group coordination in <i>Corydoras aeneus</i> . <i>Royal Society Open Science</i> , 2019, 6, 190587.	2.4	4
7	The evolution of early-life effects on social behaviour—why should social adversity carry over to the future?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180111.	4.0	18
8	Evolution of menopause. <i>Current Biology</i> , 2019, 29, R112-R115.	3.9	13
9	Multiple Evolutionary Routes to Monogamy: Modeling the Coevolution of Mating Decisions and Parental Investment. <i>American Naturalist</i> , 2019, 193, E29-E40.	2.1	7
10	Reciprocal mimicry: kin selection can drive defended prey to resemble their Batesian mimics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181149.	2.6	1
11	Maternal effects and parent-offspring conflict. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 220-233.	2.3	26
12	Reproductive Conflict and the Evolution of Menopause in Killer Whales. <i>Current Biology</i> , 2017, 27, 298-304.	3.9	85
13	Explaining negative kin discrimination in a cooperative mammal society. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5207-5212.	7.1	58
14	How Sex-Biased Dispersal Affects Sexual Conflict over Care. <i>American Naturalist</i> , 2017, 189, 501-514.	2.1	8
15	Turn-taking in cooperative offspring care: by-product of individual provisioning behavior or active response rule?. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 162.	1.4	59
16	Evolutionary public health: introducing the concept. <i>Lancet, The</i> , 2017, 390, 500-509.	13.7	145
17	Evidence of Oxidative Shielding of Offspring in a Wild Mammal. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	27
18	Evidence for conditional cooperation: a response to Schlicht et al.. <i>Behavioral Ecology</i> , 2016, 27, e6-e7.	2.2	16

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19	Amplifiers and the origin of animal signals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160324.	2.6	9
20	Who directs group movement? Leader effort versus follower preference in stickleback fish of different personality. <i>Biology Letters</i> , 2016, 12, 20160207.	2.3	24
21	Cooperation and the common good. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150086.	4.0	8
22	Maternal allocation in cooperative breeders: should mothers match or compensate for expected helper contributions?. <i>Animal Behaviour</i> , 2015, 102, 189-197.	1.9	33
23	The role of social attraction and its link with boldness in the collective movements of three-spined sticklebacks. <i>Animal Behaviour</i> , 2015, 99, 147-153.	1.9	67
24	The Evolution of Multivariate Maternal Effects. <i>PLoS Computational Biology</i> , 2014, 10, e1003550.	3.2	39
25	Evolution of positive and negative density-dependent dispersal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141226.	2.6	42
26	Policing of reproduction by hidden threats in a cooperative mammal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 326-330.	7.1	51
27	Kin Competition and the Evolution of Sex Differences in Development Time and Body Size. <i>American Naturalist</i> , 2014, 183, 537-546.	2.1	3
28	Reciprocity and conditional cooperation between great tit parents. <i>Behavioral Ecology</i> , 2014, 25, 216-222.	2.2	111
29	The role of previous social experience on risk-taking and leadership in three-spined sticklebacks. <i>Behavioral Ecology</i> , 2014, 25, 1395-1401.	2.2	31
30	Dominant aggression as a deterrent signal in paper wasps. <i>Behavioral Ecology</i> , 2014, 25, 706-715.	2.2	14
31	Intra-group relatedness affects parental and helper investment rules in offspring care. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1855-1865.	1.4	14
32	Animal signals. <i>Current Biology</i> , 2013, 23, R829-R833.	3.9	166
33	Maternal costs in offspring production affect investment rules in joint rearing. <i>Behavioral Ecology</i> , 2013, 24, 750-758.	2.2	28
34	Experience overrides personality differences in the tendency to follow but not in the tendency to lead. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131724.	2.6	33
35	Power and temptation cause shifts between exploitation and cooperation in a cleaner wrasse mutualism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130553.	2.6	25
36	Facing the crowd: intruder pressure, within-group competition, and the resolution of conflicts over group membership. <i>Ecology and Evolution</i> , 2013, 3, 1209-1218.	1.9	22

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37	Initiative, Personality and Leadership in Pairs of Foraging Fish. PLoS ONE, 2012, 7, e36606.	2.5	64
38	Parents and offspring in an evolutionary game: the effect of supply on demand when costs of care vary. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 109-115.	2.6	21
39	Sex-biased dispersal, haplodiploidy and the evolution of helping in social insects. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 787-793.	2.6	44
40	The evolution of multimale groups in Verreaux's sifaka, or how to test an evolutionary demographic model. Behavioral Ecology, 2012, 23, 889-897.	2.2	18
41	How dispersal influences parent-offspring conflict over investment. Behavioral Ecology, 2012, 23, 898-906.	2.2	21
42	Communal Defense of Territories and the Evolution of Sociality. American Naturalist, 2011, 178, 787-800.	2.1	41
43	The Dynamics of Honesty: Modelling the Growth of Costly, Sexually-Selected Ornaments. PLoS ONE, 2011, 6, e27174.	2.5	11
44	Load lightening and negotiation over offspring care in cooperative breeders. Behavioral Ecology, 2011, 22, 436-444.	2.2	65
45	Evolution of personality differences in leadership. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8373-8378.	7.1	163
46	Pairs of Fish Resolve Conflicts over Coordinated Movement by Taking Turns. Current Biology, 2010, 20, 156-160.	3.9	49
47	Boldness and Information Use in Three-spined Sticklebacks. Ethology, 2010, 116, 440-447.	1.1	42
48	Learning your own strength: winner and loser effects should change with age and experience. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1427-1434.	2.6	65
49	The evolution of menopause in cetaceans and humans: the role of demography. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3765-3771.	2.6	145
50	Costs and benefits of multi-male associations in redfronted lemurs (<i>Eulemur fulvus rufus</i>). Biology Letters, 2010, 6, 620-622.	2.3	26
51	Parent-Offspring Conflict and Coadaptation. Science, 2010, 327, 1373-1376.	12.6	130
52	How Threats Influence the Evolutionary Resolution of Within-Group Conflict. American Naturalist, 2009, 173, 759-771.	2.1	68
53	Social Feedback and the Emergence of Leaders and Followers. Current Biology, 2009, 19, 248-252.	3.9	248
54	Personality counts: the effect of boldness on shoal choice in three-spined sticklebacks. Animal Behaviour, 2009, 77, 1501-1505.	1.9	85

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55	Leadership, personality and social feedback. <i>Communicative and Integrative Biology</i> , 2009, 2, 335-336.	1.4	6
56	KIN SELECTION, LOCAL COMPETITION, AND REPRODUCTIVE SKEW. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2592-2599.	2.3	35
57	Reproductive conflict and the separation of reproductive generations in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5332-5336.	7.1	181
58	Sex Differences in Dispersal and the Evolution of Helping and Harming. <i>American Naturalist</i> , 2008, 172, 318-330.	2.1	94
59	On the further integration of cooperative breeding and cooperation theory. <i>Behavioural Processes</i> , 2007, 76, 170-181.	1.1	20
60	Integrating cooperative breeding into theoretical concepts of cooperation. <i>Behavioural Processes</i> , 2007, 76, 61-72.	1.1	197
61	Indirect reciprocity in asymmetric interactions: when apparent altruism facilitates profitable exploitation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 3175-3181.	2.6	8
62	Uninformative Exaggeration of Male Sexual Ornaments in Barn Swallows. <i>Current Biology</i> , 2007, 17, 850-855.	3.9	44
63	Maternal and offspring effects influence provisioning to mixed litters of own and alien young in mice. <i>Animal Behaviour</i> , 2007, 74, 1039-1045.	1.9	13
64	The influence of phenotypic and genetic effects on maternal provisioning and offspring weight gain in mice. <i>Biology Letters</i> , 2006, 2, 81-84.	2.3	20
65	Early experience and parent-of-origin-specific effects influence female reproductive success in mice. <i>Biology Letters</i> , 2006, 2, 253-256.	2.3	8
66	Negotiation over offspring care—how should parents respond to each other's efforts?. <i>Behavioral Ecology</i> , 2006, 17, 818-827.	2.2	219
67	Differential Growth of Own and Alien Pups in Mixed Litters of Mice: A Role for Genomic Imprinting?. <i>Ethology</i> , 2005, 111, 705-714.	1.1	26
68	Infanticide and control of reproduction in cooperative and communal breeders. <i>Animal Behaviour</i> , 2004, 67, 941-949.	1.9	35
69	Evolution of spite through indirect reciprocity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1917-1922.	2.6	57
70	The genetic basis of family conflict resolution in mice. <i>Nature</i> , 2003, 421, 533-535.	27.8	128
71	Spontaneous emergence of leaders and followers in foraging pairs. <i>Nature</i> , 2003, 423, 432-434.	27.8	296
72	Sibling negotiation. <i>Behavioral Ecology</i> , 2003, 14, 780-786.	2.2	57

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73	The evolution of parental and alloparental effort in cooperatively breeding groups: when should helpers pay to stay?. <i>Behavioral Ecology</i> , 2002, 13, 291-300.	2.2	210
74	Cost, Competition and Information in Communication between Relatives. <i>Journal of Theoretical Biology</i> , 2002, 217, 331-340.	1.7	10
75	From parasitism to mutualism: partner control in asymmetric interactions. <i>Ecology Letters</i> , 2002, 5, 634-639.	6.4	100
76	The evolution of inaccurate mimics. <i>Nature</i> , 2002, 418, 524-526.	27.8	104
77	The evolution of cooperative breeding through group augmentation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 187-196.	2.6	488
78	Models of reproductive skew: A review and synthesis (Invited Article). <i>Ethology</i> , 2000, 106, 5-26.	1.1	355
79	Coalition formation in animals and the nature of winner and loser effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 17-21.	2.6	37
80	Social queuing in animal societies: a dynamic model of reproductive skew. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 571-578.	2.6	284
81	Reproductive skew and the threat of eviction: a new perspective. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 275-279.	2.6	193
82	Reproductive skew and indiscriminate infanticide. <i>Animal Behaviour</i> , 1999, 57, 243-249.	1.9	44
83	Imperfect female choice and male mating skew on leks of different sizes. <i>Behavioral Ecology and Sociobiology</i> , 1999, 45, 277-281.	1.4	65
84	Sperm allocation in an uncertain world. <i>Behavioral Ecology and Sociobiology</i> , 1998, 44, 161-168.	1.4	67
85	CONSPIRATORIAL WHISPERS AND CONSPICUOUS DISPLAYS: GAMES OF SIGNAL DETECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1554-1563.	2.3	24
86	Generalization and the evolution of symmetry preferences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1345-1348.	2.6	84
87	Recognition and the evolution of distinctive signatures: when does it pay to reveal identity?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1547-1553.	2.6	82
88	A systematic error in tests of ideal free theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1671-1675.	2.6	17
89	Begging the question: are offspring solicitation behaviours signals of need?. <i>Trends in Ecology and Evolution</i> , 1997, 12, 11-15.	8.7	467
90	The tactics of mutual mate choice and competitive search. <i>Behavioral Ecology and Sociobiology</i> , 1997, 40, 51-59.	1.4	188

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91	Riding the evolutionary streetcar: where population genetics and game theory meet. <i>Trends in Ecology and Evolution</i> , 1996, 11, 445-446.	8.7	21
92	MUTUAL MATE CHOICE AND SEX DIFFERENCES IN CHOOSINESS. <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 1382-1391.	2.3	285
93	Maternally inherited male-killing microorganisms may confound interpretation of mitochondrial DNA variability. <i>Biological Journal of the Linnean Society</i> , 1996, 58, 453-470.	1.6	73
94	Honest advertisement of multiple qualities using multiple signals. <i>Journal of Theoretical Biology</i> , 1995, 177, 87-94.	1.7	169
95	SEXUAL SELECTION, HONEST ADVERTISEMENT AND THE HANDICAP PRINCIPLE: REVIEWING THE EVIDENCE. <i>Biological Reviews</i> , 1995, 70, 1-65.	10.4	508
96	Female preference for symmetrical males as a by-product of selection for mate recognition. <i>Nature</i> , 1994, 372, 172-175.	27.8	221
97	Badges of status and the cost of aggression. <i>Behavioral Ecology and Sociobiology</i> , 1993, 32, 127-134.	1.4	134
98	Dishonesty and the handicap principle. <i>Animal Behaviour</i> , 1993, 46, 759-764.	1.9	319
99	Intranuclear conflict and its role in evolution. <i>Trends in Ecology and Evolution</i> , 1992, 7, 373-378.	8.7	25
100	The continuous Sir Philip Sidney game: A simple model of biological signalling. <i>Journal of Theoretical Biology</i> , 1992, 156, 215-234.	1.7	111