

Rufus A Johnstone

List of Publications by Year in descending order

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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 | SEXUAL SELECTION, HONEST ADVERTISEMENT AND THE HANDICAP PRINCIPLE: REVIEWING THE EVIDENCE. <i>Biological Reviews</i> , 1995, 70, 1-65. | 10.4 | 508 |
| 2 | 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 |
| 3 | Begging the question: are offspring solicitation behaviours signals of need?. <i>Trends in Ecology and Evolution</i> , 1997, 12, 11-15. | 8.7 | 467 |
| 4 | Models of reproductive skew: A review and synthesis (Invited Article). <i>Ethology</i> , 2000, 106, 5-26. | 1.1 | 355 |
| 5 | Dishonesty and the handicap principle. <i>Animal Behaviour</i> , 1993, 46, 759-764. | 1.9 | 319 |
| 6 | Spontaneous emergence of leaders and followers in foraging pairs. <i>Nature</i> , 2003, 423, 432-434. | 27.8 | 296 |
| 7 | MUTUAL MATE CHOICE AND SEX DIFFERENCES IN CHOOSINESS. <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 1382-1391. | 2.3 | 285 |
| 8 | 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 |
| 9 | Social Feedback and the Emergence of Leaders and Followers. <i>Current Biology</i> , 2009, 19, 248-252. | 3.9 | 248 |
| 10 | Female preference for symmetrical males as a by-product of selection for mate recognition. <i>Nature</i> , 1994, 372, 172-175. | 27.8 | 221 |
| 11 | Negotiation over offspring care—how should parents respond to each other's efforts?. <i>Behavioral Ecology</i> , 2006, 17, 818-827. | 2.2 | 219 |
| 12 | 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 |
| 13 | Integrating cooperative breeding into theoretical concepts of cooperation. <i>Behavioural Processes</i> , 2007, 76, 61-72. | 1.1 | 197 |
| 14 | 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 |
| 15 | The tactics of mutual mate choice and competitive search. <i>Behavioral Ecology and Sociobiology</i> , 1997, 40, 51-59. | 1.4 | 188 |
| 16 | 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 |
| 17 | Honest advertisement of multiple qualities using multiple signals. <i>Journal of Theoretical Biology</i> , 1995, 177, 87-94. | 1.7 | 169 |
| 18 | Animal signals. <i>Current Biology</i> , 2013, 23, R829-R833. | 3.9 | 166 |

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|----|---|------|-----------|
| 19 | Evolution of personality differences in leadership. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8373-8378. | 7.1 | 163 |
| 20 | The evolution of menopause in cetaceans and humans: the role of demography. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3765-3771. | 2.6 | 145 |
| 21 | Evolutionary public health: introducing the concept. <i>Lancet, The</i> , 2017, 390, 500-509. | 13.7 | 145 |
| 22 | Badges of status and the cost of aggression. <i>Behavioral Ecology and Sociobiology</i> , 1993, 32, 127-134. | 1.4 | 134 |
| 23 | Parent-Offspring Conflict and Coadaptation. <i>Science</i> , 2010, 327, 1373-1376. | 12.6 | 130 |
| 24 | The genetic basis of family conflict resolution in mice. <i>Nature</i> , 2003, 421, 533-535. | 27.8 | 128 |
| 25 | 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 |
| 26 | Reciprocity and conditional cooperation between great tit parents. <i>Behavioral Ecology</i> , 2014, 25, 216-222. | 2.2 | 111 |
| 27 | The evolution of inaccurate mimics. <i>Nature</i> , 2002, 418, 524-526. | 27.8 | 104 |
| 28 | From parasitism to mutualism: partner control in asymmetric interactions. <i>Ecology Letters</i> , 2002, 5, 634-639. | 6.4 | 100 |
| 29 | Sex Differences in Dispersal and the Evolution of Helping and Harming. <i>American Naturalist</i> , 2008, 172, 318-330. | 2.1 | 94 |
| 30 | Personality counts: the effect of boldness on shoal choice in three-spined sticklebacks. <i>Animal Behaviour</i> , 2009, 77, 1501-1505. | 1.9 | 85 |
| 31 | Reproductive Conflict and the Evolution of Menopause in Killer Whales. <i>Current Biology</i> , 2017, 27, 298-304. | 3.9 | 85 |
| 32 | Generalization and the evolution of symmetry preferences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1345-1348. | 2.6 | 84 |
| 33 | 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 |
| 34 | 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 |
| 35 | How Threats Influence the Evolutionary Resolution of Within-Group Conflict. <i>American Naturalist</i> , 2009, 173, 759-771. | 2.1 | 68 |
| 36 | Sperm allocation in an uncertain world. <i>Behavioral Ecology and Sociobiology</i> , 1998, 44, 161-168. | 1.4 | 67 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Learning your own strength: winner and loser effects should change with age and experience. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1427-1434. | 2.6 | 65 |
| 40 | Load lightening and negotiation over offspring care in cooperative breeders. <i>Behavioral Ecology</i> , 2011, 22, 436-444. | 2.2 | 65 |
| 41 | Initiative, Personality and Leadership in Pairs of Foraging Fish. <i>PLoS ONE</i> , 2012, 7, e36606. | 2.5 | 64 |
| 42 | 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 |
| 43 | 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 |
| 44 | Sibling negotiation. <i>Behavioral Ecology</i> , 2003, 14, 780-786. | 2.2 | 57 |
| 45 | Evolution of spite through indirect reciprocity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1917-1922. | 2.6 | 57 |
| 46 | 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 |
| 47 | Pairs of Fish Resolve Conflicts over Coordinated Movement by Taking Turns. <i>Current Biology</i> , 2010, 20, 156-160. | 3.9 | 49 |
| 48 | Reproductive skew and indiscriminate infanticide. <i>Animal Behaviour</i> , 1999, 57, 243-249. | 1.9 | 44 |
| 49 | Uninformative Exaggeration of Male Sexual Ornaments in Barn Swallows. <i>Current Biology</i> , 2007, 17, 850-855. | 3.9 | 44 |
| 50 | Sex-biased dispersal, haplodiploidy and the evolution of helping in social insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 787-793. | 2.6 | 44 |
| 51 | Boldness and Information Use in Three-spined Sticklebacks. <i>Ethology</i> , 2010, 116, 440-447. | 1.1 | 42 |
| 52 | Evolution of positive and negative density-dependent dispersal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141226. | 2.6 | 42 |
| 53 | Communal Defense of Territories and the Evolution of Sociality. <i>American Naturalist</i> , 2011, 178, 787-800. | 2.1 | 41 |
| 54 | The Evolution of Multivariate Maternal Effects. <i>PLoS Computational Biology</i> , 2014, 10, e1003550. | 3.2 | 39 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | Infanticide and control of reproduction in cooperative and communal breeders. <i>Animal Behaviour</i> , 2004, 67, 941-949. | 1.9 | 35 |
| 57 | KIN SELECTION, LOCAL COMPETITION, AND REPRODUCTIVE SKEW. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2592-2599. | 2.3 | 35 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | Maternal costs in offspring production affect investment rules in joint rearing. <i>Behavioral Ecology</i> , 2013, 24, 750-758. | 2.2 | 28 |
| 63 | Evidence of Oxidative Shielding of Offspring in a Wild Mammal. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, . | 2.2 | 27 |
| 64 | 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 |
| 65 | 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 |
| 66 | Costs and benefits of multi-male associations in redfronted lemurs (<i>Eulemur fulvus rufus</i>). <i>Biology Letters</i> , 2010, 6, 620-622. | 2.3 | 26 |
| 67 | Maternal effects and parent-offspring conflict. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 220-233. | 2.3 | 26 |
| 68 | Intranuclear conflict and its role in evolution. <i>Trends in Ecology and Evolution</i> , 1992, 7, 373-378. | 8.7 | 25 |
| 69 | 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 |
| 70 | CONSPIRATORIAL WHISPERS AND CONSPICUOUS DISPLAYS: GAMES OF SIGNAL DETECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1554-1563. | 2.3 | 24 |
| 71 | 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 |
| 72 | 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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|----|---|-----|-----------|
| 73 | 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 |
| 74 | Parents and offspring in an evolutionary game: the effect of supply on demand when costs of care vary. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 109-115. | 2.6 | 21 |
| 75 | How dispersal influences parent-offspring conflict over investment. <i>Behavioral Ecology</i> , 2012, 23, 898-906. | 2.2 | 21 |
| 76 | 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 |
| 77 | On the further integration of cooperative breeding and cooperation theory. <i>Behavioural Processes</i> , 2007, 76, 170-181. | 1.1 | 20 |
| 78 | The evolution of multimale groups in Verreaux's sifaka, or how to test an evolutionary demographic model. <i>Behavioral Ecology</i> , 2012, 23, 889-897. | 2.2 | 18 |
| 79 | 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 |
| 80 | 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 |
| 81 | Evidence for conditional cooperation: a response to Schlicht et al.. <i>Behavioral Ecology</i> , 2016, 27, e6-e7. | 2.2 | 16 |
| 82 | 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 |
| 83 | Dominant aggression as a deterrent signal in paper wasps. <i>Behavioral Ecology</i> , 2014, 25, 706-715. | 2.2 | 14 |
| 84 | 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 |
| 85 | 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 |
| 86 | Evolution of menopause. <i>Current Biology</i> , 2019, 29, R112-R115. | 3.9 | 13 |
| 87 | The Dynamics of Honesty: Modelling the Growth of Costly, Sexually-Selected Ornaments. <i>PLoS ONE</i> , 2011, 6, e27174. | 2.5 | 11 |
| 88 | Cost, Competition and Information in Communication between Relatives. <i>Journal of Theoretical Biology</i> , 2002, 217, 331-340. | 1.7 | 10 |
| 89 | Amplifiers and the origin of animal signals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160324. | 2.6 | 9 |
| 90 | 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 |

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|-----|---|-----|-----------|
| 91 | 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 |
| 92 | Cooperation and the common good. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150086. | 4.0 | 8 |
| 93 | How Sex-Biased Dispersal Affects Sexual Conflict over Care. <i>American Naturalist</i> , 2017, 189, 501-514. | 2.1 | 8 |
| 94 | 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 |
| 95 | Leadership, personality and social feedback. <i>Communicative and Integrative Biology</i> , 2009, 2, 335-336. | 1.4 | 6 |
| 96 | 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 |
| 97 | Untangling the oxidative cost of reproduction: An analysis in wild banded mongooses. <i>Ecology and Evolution</i> , 2022, 12, e8644. | 1.9 | 4 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |