

Michael A Cant

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

5,777
citations

61945

43
h-index

91828

69
g-index

129
all docs

129
docs citations

129
times ranked

3615
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusive fitness theory and eusociality. <i>Nature</i> , 2011, 471, E1-E4.	13.7	339
2	Ecological Knowledge, Leadership, and the Evolution of Menopause in Killer Whales. <i>Current Biology</i> , 2015, 25, 746-750.	1.8	271
3	Reproductive skew and the threat of eviction: a new perspective. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 275-279.	1.2	193
4	Social control of reproduction in banded mongooses. <i>Animal Behaviour</i> , 2000, 59, 147-158.	0.8	183
5	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.	3.3	181
6	The evolution of prolonged life after reproduction. <i>Trends in Ecology and Evolution</i> , 2015, 30, 407-416.	4.2	175
7	Helping effort and future fitness in cooperative animal societies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1959-1964.	1.2	165
8	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.	1.2	145
9	Oxidative shielding and the cost of reproduction. <i>Biological Reviews</i> , 2016, 91, 483-497.	4.7	143
10	A model for the evolution of reproductive skew without reproductive suppression. <i>Animal Behaviour</i> , 1998, 55, 163-169.	0.8	128
11	Reproductive Skew in Multimember Groups. <i>American Naturalist</i> , 1999, 153, 315-331.	1.0	103
12	Sex Differences in Dispersal and the Evolution of Helping and Harming. <i>American Naturalist</i> , 2008, 172, 318-330.	1.0	94
13	Eviction and dispersal in co-operatively breeding banded mongooses (<i>Mungos mungo</i>). <i>Journal of Zoology</i> , 2001, 254, 155-162.	0.8	93
14	Fighting and Mating Between Groups in a Cooperatively Breeding Mammal, the Banded Mongoose. <i>Ethology</i> , 2002, 108, 541-555.	0.5	92
15	A new perspective on size hierarchies in nature: patterns, causes, and consequences. <i>Oecologia</i> , 2006, 149, 362-372.	0.9	92
16	Reproductive control via eviction (but not the threat of eviction) in banded mongooses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2219-2226.	1.2	85
17	Demography and Social Evolution of Banded Mongooses. <i>Advances in the Study of Behavior</i> , 2013, 45, 407-445.	1.0	85
18	Reproductive Conflict and the Evolution of Menopause in Killer Whales. <i>Current Biology</i> , 2017, 27, 298-304.	1.8	85

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19	The role of threats in animal cooperation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 170-178.	1.2	83
20	Individual Variation in Social Aggression and the Probability of Inheritance: Theory and a Field Test. <i>American Naturalist</i> , 2006, 167, 837-852.	1.0	81
21	Costly young and reproductive skew in animal societies. <i>Behavioral Ecology</i> , 1999, 10, 178-184.	1.0	71
22	Scent marking within and between groups of wild banded mongooses. <i>Journal of Zoology</i> , 2010, 280, 72-83.	0.8	69
23	Mortality risk and social network position in resident killer whales: sex differences and the importance of resource abundance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171313.	1.2	69
24	How Threats Influence the Evolutionary Resolution of Within-Group Conflict. <i>American Naturalist</i> , 2009, 173, 759-771.	1.0	68
25	Analyses of ovarian activity reveal repeated evolution of post-reproductive lifespans in toothed whales. <i>Scientific Reports</i> , 2018, 8, 12833.	1.6	67
26	Intragroup competition predicts individual foraging specialisation in a group-living mammal. <i>Ecology Letters</i> , 2018, 21, 665-673.	3.0	66
27	Postreproductive lifespans are rare in mammals. <i>Ecology and Evolution</i> , 2018, 8, 2482-2494.	0.8	65
28	Reproductive competition and the evolution of extreme birth synchrony in a cooperative mammal. <i>Biology Letters</i> , 2011, 7, 54-56.	1.0	63
29	Causes and consequences of intergroup conflict in cooperative banded mongooses. <i>Animal Behaviour</i> , 2017, 126, 31-40.	0.8	63
30	Segmental concatenation of individual signatures and context cues in banded mongoose (Mungos) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	62
31	Female Control of the Distribution of Paternity in Cooperative Breeders. <i>American Naturalist</i> , 2002, 160, 602-611.	1.0	59
32	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.	3.3	58
33	Escalated conflict in a social hierarchy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2977-2984.	1.2	57
34	Location and group size influence decisions in simulated intergroup encounters in banded mongooses. <i>Behavioral Ecology</i> , 2011, 22, 493-500.	1.0	56
35	Power Struggles, Dominance Testing, and Reproductive Skew. <i>American Naturalist</i> , 2000, 155, 406-417.	1.0	55
36	Small males are more symmetrical: mating success in the midge <i>Chironomus plumosus</i> L. (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	54

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37	Lifetime fitness consequences of early-life ecological hardship in a wild mammal population. <i>Ecology and Evolution</i> , 2017, 7, 1712-1724.	0.8	54
38	Postreproductive killer whale grandmothers improve the survival of their grandoffspring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26669-26673.	3.3	53
39	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.	3.3	51
40	Helping effort in a dominance hierarchy. <i>Behavioral Ecology</i> , 2005, 16, 708-715.	1.0	49
41	Adaptation to public goods cheats in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171089.	1.2	48
42	Top males gain high reproductive success by guarding more successful females in a cooperatively breeding mongoose. <i>Animal Behaviour</i> , 2010, 80, 649-657.	0.8	47
43	Imitation and Traditions in Wild Banded Mongooses. <i>Current Biology</i> , 2010, 20, 1171-1175.	1.8	47
44	Patterns of helping effort in co-operatively breeding banded mongooses (<i>Mungos mungo</i>). <i>Journal of Zoology</i> , 2003, 259, 115-121.	0.8	46
45	Reproductive skew and indiscriminate infanticide. <i>Animal Behaviour</i> , 1999, 57, 243-249.	0.8	44
46	Insurance-based advantages for subordinate co-foundresses in a temperate paper wasp. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1617-1622.	1.2	44
47	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.	1.2	44
48	The cost of dominance: suppressing subordinate reproduction affects the reproductive success of dominant female banded mongooses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 619-624.	1.2	43
49	Banded mongooses: Demography, life history, and social behavior. , 2016, , 318-337.		43
50	Resource limitation moderates the adaptive suppression of subordinate breeding in a cooperatively breeding mongoose. <i>Behavioral Ecology</i> , 2012, 23, 635-642.	1.0	42
51	Scent marking in wild banded mongooses: 1. Sex-specific scents and overmarking. <i>Animal Behaviour</i> , 2011, 81, 31-42.	0.8	41
52	The origins of consistent individual differences in cooperation in wild banded mongooses, <i>Mungos mungo</i> . <i>Animal Behaviour</i> , 2015, 107, 193-200.	0.8	41
53	A tale of two theories: parent-offspring conflict and reproductive skew. <i>Animal Behaviour</i> , 2006, 71, 255-263.	0.8	40
54	Adjustment of costly extra-group paternity according to inbreeding risk in a cooperative mammal. <i>Behavioral Ecology</i> , 2015, 26, 1486-1494.	1.0	40

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55	Reproductive skew and the evolution of group dissolution tactics: a synthesis of concession and restraint models. <i>Animal Behaviour</i> , 2007, 74, 1643-1654.	0.8	38
56	Social stability and helping in small animal societies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 3181-3189.	1.8	38
57	Banded mongooses avoid inbreeding when mating with members of the same natal group. <i>Molecular Ecology</i> , 2015, 24, 3738-3751.	2.0	38
58	Self-serving punishment and the evolution of cooperation. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1383-1385.	0.8	36
59	Stable group size in cooperative breeders: the role of inheritance and reproductive skew. <i>Behavioral Ecology</i> , 2006, 17, 560-568.	1.0	36
60	Fine-scale spatiotemporal patterns of genetic variation reflect budding dispersal coupled with strong natal philopatry in a cooperatively breeding mammal. <i>Molecular Ecology</i> , 2012, 21, 5348-5362.	2.0	36
61	Food availability shapes patterns of helping effort in a cooperative mongoose. <i>Animal Behaviour</i> , 2012, 83, 1377-1385.	0.8	35
62	Suppressing subordinate reproduction provides benefits to dominants in cooperative societies of meerkats. <i>Nature Communications</i> , 2014, 5, 4499.	5.8	35
63	Resolving social conflict among females without overt aggression. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130076.	1.8	33
64	Evidence for frequent incest in a cooperatively breeding mammal. <i>Biology Letters</i> , 2014, 10, 20140898.	1.0	32
65	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.	3.3	29
66	Suppression of Social Conflict and Evolutionary Transitions to Cooperation. <i>American Naturalist</i> , 2012, 179, 293-301.	1.0	28
67	Hormonal mediation of a carry-over effect in a wild cooperative mammal. <i>Functional Ecology</i> , 2014, 28, 1377-1386.	1.7	28
68	Stable isotopes are quantitative indicators of trophic niche. <i>Ecology Letters</i> , 2019, 22, 1990-1992.	3.0	28
69	Evidence of Oxidative Shielding of Offspring in a Wild Mammal. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	27
70	Kinship dynamics: patterns and consequences of changes in local relatedness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211129.	1.2	27
71	Reproductive competition triggers mass eviction in cooperative banded mongooses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152607.	1.2	25
72	Scent marking in wild banded mongooses: 2. Intrasexual overmarking and competition between males. <i>Animal Behaviour</i> , 2011, 81, 43-50.	0.8	24

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73	Cooperative breeding systems. , 2012, , 206-225.		24
74	Variable ecological conditions promote male helping by changing banded mongoose group composition. Behavioral Ecology, 2016, 27, 978-987.	1.0	23
75	Models of reproductive skew: outside options and the resolution of reproductive conflict. , 2009, , 3-23.		22
76	Biased escorts: offspring sex, not relatedness explains alloparental care patterns in a cooperative breeder. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162384.	1.2	22
77	Scent marking in wild banded mongooses: 3. Intrasexual overmarking in females. Animal Behaviour, 2011, 81, 51-60.	0.8	21
78	Age and sex influence social interactions, but not associations, within a killer whale pod. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210617.	1.2	21
79	Decoupling of Genetic and Cultural Inheritance in a Wild Mammal. Current Biology, 2018, 28, 1846-1850.e2.	1.8	20
80	Group size and visitor numbers predict faecal glucocorticoid concentrations in zoo meerkats. Royal Society Open Science, 2017, 4, 161017.	1.1	18
81	A high-quality pedigree and genetic markers both reveal inbreeding depression for quality but not survival in a cooperative mammal. Molecular Ecology, 2018, 27, 2271-2288.	2.0	17
82	Elevated aggression is associated with uncertainty in a network of dog dominance interactions. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190536.	1.2	17
83	Live long and prosper: durable benefits of early-life care in banded mongooses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180114.	1.8	17
84	Direct fitness, reciprocity and helping: A perspective from primitively eusocial wasps. Behavioural Processes, 2007, 76, 160-162.	0.5	15
85	Dominant aggression as a deterrent signal in paper wasps. Behavioral Ecology, 2014, 25, 706-715.	1.0	14
86	Developing differences: early-life effects and evolutionary medicine. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190039.	1.8	14
87	A long postreproductive life span is a shared trait among genetically distinct killer whale populations. Ecology and Evolution, 2021, 11, 9123-9136.	0.8	14
88	Evolution of menopause. Current Biology, 2019, 29, R112-R115.	1.8	13
89	Modelling cetacean morbillivirus outbreaks in an endangered killer whale population. Biological Conservation, 2020, 242, 108398.	1.9	13
90	Reproductive conflict and the evolution of menopause. , 0, , 24-50.		12

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91	Female reproductive competition explains variation in prenatal investment in wild banded mongooses. <i>Scientific Reports</i> , 2016, 6, 20013.	1.6	12
92	Behavioural response of workers to repeated intergroup encounters in the harvester ant <i>Messor barbarus</i> . <i>Insectes Sociaux</i> , 2019, 66, 491-500.	0.7	12
93	Network-level consequences of outgroup threats in banded mongooses: Grooming and aggression between the sexes. <i>Journal of Animal Ecology</i> , 2021, 90, 153-167.	1.3	12
94	Reproductive skew in primitively eusocial wasps: how useful are current models?. , 0, , 305-334.		11
95	Who goes there? Social surveillance as a response to intergroup conflict in a primitive termite. <i>Biology Letters</i> , 2020, 16, 20200131.	1.0	11
96	Assessment during Intergroup Contests. <i>Trends in Ecology and Evolution</i> , 2021, 36, 139-150.	4.2	11
97	Endogenous timing in competitive interactions among relatives. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 171-178.	1.2	10
98	Reproductive Competition Among Males in Multimale Groups of Primates: Modeling the Costs and Effectiveness of Conflict. <i>International Journal of Primatology</i> , 2014, 35, 746-763.	0.9	10
99	Longevity suppresses conflict in animal societies. <i>Biology Letters</i> , 2013, 9, 20130680.	1.0	9
100	Heterozygosity but not inbreeding coefficient predicts parasite burdens in the banded mongoose. <i>Journal of Zoology</i> , 2017, 302, 32-39.	0.8	9
101	Dynamic conflict among heterogeneous groups: a comment on Christensen and Radford. <i>Behavioral Ecology</i> , 2018, 29, 1016-1017.	1.0	9
102	Mixture models as a method for comparative sociality: social networks and demographic change in resident killer whales. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	0.6	9
103	A double pedigree reveals genetic but not cultural inheritance of cooperative personalities in wild banded mongooses. <i>Ecology Letters</i> , 2021, 24, 1966-1975.	3.0	9
104	Using social parasitism to test reproductive skew models in a primitively eusocial wasp. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141206.	1.2	8
105	Elevated glucocorticoid concentrations during gestation predict reduced reproductive success in subordinate female banded mongooses. <i>Biology Letters</i> , 2015, 11, 20150620.	1.0	8
106	Inbreeding depresses altruism in a cooperative society. <i>Ecology Letters</i> , 2020, 23, 1460-1467.	3.0	8
107	Smelling fit: scent marking exposes parasitic infection status in the banded mongoose. <i>Environmental Epigenetics</i> , 2017, 63, 237-247.	0.9	7
108	Spontaneous abortion as a response to reproductive conflict in the banded mongoose. <i>Biology Letters</i> , 2019, 15, 20190529.	1.0	7

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109	Leaders of war: modelling the evolution of conflict among heterogeneous groups. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210140.	1.8	7
110	The significance of postreproductive lifespans in killer whales: a comment on Robeck et al.: Table 1.. <i>Journal of Mammalogy</i> , 2016, 97, 906-909.	0.6	6
111	Individual and demographic consequences of mass eviction in cooperative banded mongooses. <i>Animal Behaviour</i> , 2017, 134, 103-112.	0.8	6
112	Telomere dynamics in wild banded mongooses: Evaluating longitudinal and quasi-longitudinal markers of senescence. <i>Experimental Gerontology</i> , 2018, 107, 67-73.	1.2	6
113	Life-History Evolution: Grandmothering in Space and Time. <i>Current Biology</i> , 2019, 29, R215-R218.	1.8	6
114	A veil of ignorance can promote fairness in a mammal society. <i>Nature Communications</i> , 2021, 12, 3717.	5.8	6
115	Testing for vocal individual discrimination in adult banded mongooses. <i>Journal of Zoology</i> , 2013, 291, 171-177.	0.8	5
116	Do paper wasps negotiate over helping effort?. <i>Behavioral Ecology</i> , 2014, 25, 88-94.	1.0	5
117	Kin discrimination via odour in the cooperatively breeding banded mongoose. <i>Royal Society Open Science</i> , 2018, 5, 171798.	1.1	5
118	Lack of aggression and apparent altruism towards intruders in a primitive termite. <i>Royal Society Open Science</i> , 2016, 3, 160682.	1.1	4
119	Pregnancy is detected via odour in a wild cooperative breeder. <i>Biology Letters</i> , 2017, 13, 20170441.	1.0	4
120	Data collection and storage in long-term ecological and evolutionary studies: The Mongoose 2000 system. <i>PLoS ONE</i> , 2018, 13, e0190740.	1.1	4
121	Individual foraging specialization in group-living species. <i>Animal Behaviour</i> , 2021, 182, 285-294.	0.8	4
122	Untangling the oxidative cost of reproduction: An analysis in wild banded mongooses. <i>Ecology and Evolution</i> , 2022, 12, e8644.	0.8	4
123	Testing the acoustic adaptation hypothesis with vocalizations from three mongoose species. <i>Animal Behaviour</i> , 2022, 187, 71-95.	0.8	4
124	Extra-group paternity varies with proxies of relatedness in a social mammal with high inbreeding risk. <i>Behavioral Ecology</i> , 2021, 32, 94-104.	1.0	3
125	Cooperatively breeding banded mongooses do not avoid inbreeding through familiarity-based kin recognition. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	0.6	1
126	VII.10. Cooperative Breeding. , 2013, , 677-682.		0

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127	The dynamics of social cohesion in response to simulated intergroup conflict in banded mongooses. Ecology and Evolution, 2021, 11, 18662-18675.	0.8	0
128	Fighting force and experience combine to determine contest success in a warlike mammal. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	0