

F Stephen Dobson

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

6,567
citations

76326

40
h-index

71685

76
g-index

139
all docs

139
docs citations

139
times ranked

5519
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition for mates and predominant juvenile male dispersal in mammals. <i>Animal Behaviour</i> , 1982, 30, 1183-1192.	1.9	769
2	Senescence rates are determined by ranking on the fast-slow life-history continuum. <i>Ecology Letters</i> , 2008, 11, 664-673.	6.4	317
3	Adaptive responses of animals to climate change are most likely insufficient. <i>Nature Communications</i> , 2019, 10, 3109.	12.8	285
4	Population genetics meets behavioral ecology. <i>Trends in Ecology and Evolution</i> , 1996, 11, 338-342.	8.7	282
5	Delayed phenology and reduced fitness associated with climate change in a wild hibernator. <i>Nature</i> , 2012, 489, 554-557.	27.8	248
6	Multiple Causes of Dispersal. <i>American Naturalist</i> , 1985, 126, 855-858.	2.1	232
7	The Relative Importance of Life-History Variables to Population Growth Rate in Mammals: Cole's Prediction Revisited. <i>American Naturalist</i> , 2003, 161, 422-440.	2.1	211
8	An Experimental Study of Dispersal in the California Ground Squirrel. <i>Ecology</i> , 1979, 60, 1103.	3.2	152
9	How Life History Influences Population Dynamics in Fluctuating Environments. <i>American Naturalist</i> , 2013, 182, 743-759.	2.1	152
10	Maternal Traits and Reproduction in Richardson's Ground Squirrels. <i>Ecology</i> , 1995, 76, 851-862.	3.2	126
11	Interpretation of Intraspecific Life History Patterns: Evidence from Columbian Ground Squirrels. <i>American Naturalist</i> , 1987, 129, 382-397.	2.1	108
12	Body Mass, Structural Size, and Life-History Patterns of the Columbian Ground Squirrel. <i>American Naturalist</i> , 1992, 140, 109-125.	2.1	98
13	Seven forms of rarity in mammals. <i>Journal of Biogeography</i> , 2000, 27, 131-139.	3.0	97
14	Increasing returns in the life history of Columbian ground squirrels. <i>Journal of Animal Ecology</i> , 1999, 68, 73-86.	2.8	92
15	The influence of food resources on life history in Columbian ground squirrels. <i>Canadian Journal of Zoology</i> , 1985, 63, 2105-2109.	1.0	91
16	The Demographic Basis of Population Regulation in Columbian Ground Squirrels. <i>American Naturalist</i> , 2001, 158, 236-247.	2.1	90
17	Social and ecological influences on dispersal and philopatry in the plateau pika (<i>Ochotona</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.2	88
18	The influence of food resources on population dynamics in Columbian ground squirrels. <i>Canadian Journal of Zoology</i> , 1985, 63, 2095-2104.	1.0	83

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19	You Can't Judge a Pigment by its Color: Carotenoid and Melanin Content of Yellow and Brown Feathers in Swallows, Bluebirds, Penguins, and Domestic Chickens. <i>Condor</i> , 2004, 106, 390-395.	1.6	83
20	Environmental influences on geographic variation in body size of western bobcats. <i>Canadian Journal of Zoology</i> , 1999, 77, 802-813.	1.0	81
21	Mechanisms of the group-size effect on vigilance in Columbian ground squirrels: dilution versus detection. <i>Animal Behaviour</i> , 2007, 73, 115-123.	1.9	81
22	YOU CAN'T JUDGE A PIGMENT BY ITS COLOR: CAROTENOID AND MELANIN CONTENT OF YELLOW AND BROWN FEATHERS IN SWALLOWS, BLUEBIRDS, PENGUINS, AND DOMESTIC CHICKENS. <i>Condor</i> , 2004, 106, 390.	1.6	79
23	EFFECT OF DENSITY REDUCTION ON UINTA GROUND SQUIRRELS: ANALYSIS OF LIFE TABLE RESPONSE EXPERIMENTS. <i>Ecology</i> , 2001, 82, 1921-1929.	3.2	76
24	Fast and slow life histories of mammals. <i>Ecoscience</i> , 2007, 14, 292.	1.4	76
25	Reproductive Value and the Stochastic Demography of Age-Structured Populations. <i>American Naturalist</i> , 2009, 174, 795-804.	2.1	72
26	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31969-31978.	7.1	69
27	Population Cycles in Small Mammals: The Role of Age at Sexual Maturity. <i>Oikos</i> , 1999, 86, 557.	2.7	68
28	The enduring question of sex-biased dispersal: Paul J. Greenwood's (1980) seminal contribution. <i>Animal Behaviour</i> , 2013, 85, 299-304.	1.9	65
29	DO BLACK-TAILED PRAIRIE DOGS MINIMIZE INBREEDING?. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 970-978.	2.3	64
30	Ornamental plumage coloration and condition are dependent on age in eastern bluebirds <i>Sialia sialis</i> . <i>Journal of Avian Biology</i> , 2005, 36, 428-435.	1.2	62
31	Why breed every other year? The case of albatrosses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1955-1961.	2.6	61
32	Spatial dynamics and the evolution of social monogamy in mammals. <i>Behavioral Ecology</i> , 2010, 21, 747-752.	2.2	60
33	Breeding Groups and Gene Dynamics in a Socially Structured Population of Prairie Dogs. <i>Journal of Mammalogy</i> , 1998, 79, 671.	1.3	58
34	Maternal influences on reproduction in two populations of Columbian ground squirrels. <i>Ecological Monographs</i> , 2009, 79, 325-341.	5.4	56
35	Mating order and reproductive success in male Columbian ground squirrels (<i>Urocitellus</i>)	2.2	53
36	The effects of capital on an income breeder: evidence from female Columbian ground squirrels. <i>Canadian Journal of Zoology</i> , 2005, 83, 546-552.	1.0	52

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37	Seasonal activity and body mass of Columbian ground squirrels. <i>Canadian Journal of Zoology</i> , 1992, 70, 1364-1368.	1.0	51
38	Rarity in Neotropical Forest Mammals Revisited. <i>Conservation Biology</i> , 1993, 7, 586-591.	4.7	44
39	Is Mean Litter Size the Most Productive? A Test in Columbian Ground Squirrels. <i>Ecology</i> , 1995, 76, 1643-1654.	3.2	42
40	A lifestyle view of life-history evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17565-17566.	7.1	42
41	An experimental test of kin association in the house mouse. <i>Canadian Journal of Zoology</i> , 2000, 78, 1806-1812.	1.0	41
42	Kin selection in Columbian ground squirrels (<i>Urocyon columbianus</i>): littermate kin provide individual fitness benefits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 989-994.	2.6	40
43	THE USE OF PHYLOGENY IN BEHAVIOR AND ECOLOGY. <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 1384-1388.	2.3	38
44	Male-female associations and female olfactory neurogenesis with pair bonding in <i>Mus spicilegus</i> . <i>Biological Journal of the Linnean Society</i> , 0, 84, 323-334.	1.6	38
45	Threats to Avifauna on Oceanic Islands. <i>Conservation Biology</i> , 2007, 21, 125-132.	4.7	38
46	Mutual Mate Choice for Colorful Traits in King Penguins. <i>Ethology</i> , 2010, 116, 635-644.	1.1	38
47	Do Black-Tailed Prairie Dogs Minimize Inbreeding?. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 970.	2.3	35
48	POPULATION CYCLES IN SMALL MAMMALS: THE \hat{r} -HYPOTHESIS. <i>Journal of Mammalogy</i> , 2001, 82, 573-581.	1.3	34
49	Why do male Columbian ground squirrels give a mating call?. <i>Animal Behaviour</i> , 2007, 74, 1319-1327.	1.9	34
50	Regulation of population size: evidence from Columbian ground squirrels. <i>Oecologia</i> , 1995, 102, 44-51.	2.0	33
51	Availability of nest sites does not limit population size of southern flying squirrels. <i>Canadian Journal of Zoology</i> , 2000, 78, 1144-1149.	1.0	33
52	Experimental tests of spatial association and kinship in monogamous mice (<i>Mus spicilegus</i>) and polygynous mice (<i>Mus musculus domesticus</i>). <i>Canadian Journal of Zoology</i> , 2002, 80, 980-986.	1.0	33
53	Ultraviolet Beak Spots in King and Emperor Penguins. <i>Condor</i> , 2005, 107, 144-150.	1.6	33
54	VARIATION IN LITTER SIZE: A TEST OF HYPOTHESES IN RICHARDSON'S GROUND SQUIRRELS. <i>Ecology</i> , 2007, 88, 306-314.	3.2	33

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55	Previous Experience and Reproductive Investment of Female Columbian Ground Squirrels. <i>Journal of Mammalogy</i> , 2008, 89, 145-152.	1.3	33
56	Measures of gene flow in the Columbian ground squirrel. <i>Oecologia</i> , 1994, 100-100, 190-195.	2.0	32
57	ULTRAVIOLET BEAK SPOTS IN KING AND EMPEROR PENGUINS. <i>Condor</i> , 2005, 107, 144.	1.6	31
58	How slow breeding can be selected in seabirds: testing Lack's hypothesis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 275-279.	2.6	31
59	Environmental Influences on Infanticide in Columbian Ground Squirrels. <i>Ethology</i> , 1990, 84, 3-14.	1.1	31
60	Comparison of Color and Body Condition Between Early and Late Breeding King Penguins. <i>Ethology</i> , 2008, 114, 925-933.	1.1	30
61	Kin selection in Columbian ground squirrels: direct and indirect fitness benefits. <i>Molecular Ecology</i> , 2012, 21, 524-531.	3.9	30
62	Plasticity results in delayed breeding in a long-distance migrant seabird. <i>Ecology and Evolution</i> , 2017, 7, 3100-3109.	1.9	30
63	Agonism and Territoriality in the California Ground Squirrel. <i>Journal of Mammalogy</i> , 1983, 64, 218-225.	1.3	29
64	Environmental influences on the sexual dimorphism in body size of western bobcats. <i>Oecologia</i> , 1996, 108, 610-616.	2.0	29
65	How mothers find their pups in a colony of Antarctic fur seals. <i>Behavioural Processes</i> , 2003, 61, 77-85.	1.1	29
66	Experiments on colour ornaments and mate choice in king penguins. <i>Animal Behaviour</i> , 2009, 78, 1247-1253.	1.9	28
67	Philopatry and within-colony movements in Columbian ground squirrels. <i>Molecular Ecology</i> , 2012, 21, 493-504.	3.9	28
68	The trade-off of reproduction and survival in slow-breeding seabirds. <i>Canadian Journal of Zoology</i> , 2010, 88, 889-899.	1.0	26
69	A phylogenetic framework for the evolution of female polymorphism in anoles. <i>Biological Journal of the Linnean Society</i> , 2011, 104, 303-317.	1.6	26
70	The Use of Phylogeny in Behavior and Ecology. <i>Evolution; International Journal of Organic Evolution</i> , 1985, 39, 1384.	2.3	25
71	The Influence of Social Breeding Groups on Effective Population Size in Black-tailed Prairie Dogs. <i>Journal of Mammalogy</i> , 2004, 85, 58-66.	1.3	25
72	Why are Male Columbian Ground Squirrels Territorial?. <i>Ethology</i> , 2008, 114, 1049-1060.	1.1	25

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73	Estimating the effect of temporally autocorrelated environments on the demography of density-independent age-structured populations. <i>Methods in Ecology and Evolution</i> , 2013, 4, 573-584.	5.2	24
74	Coloured patches influence pairing rate in King Penguins. <i>Ibis</i> , 2008, 150, 193-196.	1.9	23
75	Male reproductive tactics to increase paternity in the polygynandrous Columbian ground squirrel (<i>Urocitellus columbianus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 695-706.	1.4	23
76	The biogeography of Gentoo Penguins (<i>Pygoscelis papua</i>). <i>Canadian Journal of Zoology</i> , 2012, 90, 352-360.	1.0	23
77	Canalization of phenology in common terns: genetic and phenotypic variations in spring arrival date. <i>Behavioral Ecology</i> , 2013, 24, 683-690.	2.2	23
78	The Importance of Evaluating Rarity. <i>Conservation Biology</i> , 1995, 9, 1648-1651.	4.7	22
79	Mutually honest? Physiological "qualities" signalled by colour ornaments in monomorphic king penguins. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 200-214.	1.6	22
80	ORIGINAL ARTICLE: The biogeography of avian extinctions on oceanic islands. <i>Journal of Biogeography</i> , 2008, 35, 1106-1111.	3.0	21
81	A natural "Benchmark" for Ecosystem Function. <i>Conservation Biology</i> , 1997, 11, 300-307.	4.7	20
82	Ectoparasites and fitness of female Columbian ground squirrels. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140113.	4.0	18
83	Social Group Fission and Gene Dynamics among Black-Tailed Prairie Dogs (<i>Cynomys ludovicianus</i>). <i>Journal of Mammalogy</i> , 2007, 88, 448-456.	1.3	17
84	Maternal oxidative stress and reproduction: Testing the constraint, cost and shielding hypotheses in a wild mammal. <i>Functional Ecology</i> , 2018, 32, 722-735.	3.6	17
85	Multiple paternity and number of offspring in mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182042.	2.6	17
86	No experimental effects of parasite load on male mating behaviour and reproductive success. <i>Animal Behaviour</i> , 2011, 82, 673-682.	1.9	15
87	Fitness implications of seasonal climate variation in Columbian ground squirrels. <i>Ecology and Evolution</i> , 2016, 6, 5614-5622.	1.9	15
88	Sexual Selection on a Coloured Ornament in King Penguins. <i>Ethology</i> , 2011, 117, 872-879.	1.1	14
89	Lifestyles and phylogeny explain bird life histories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10747-10748.	7.1	14
90	Testing the reproductive and somatic trade-off in female Columbian ground squirrels. <i>Ecology and Evolution</i> , 2016, 6, 7586-7595.	1.9	14

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91	Fitness Estimation for Ecological Studies: An Evaluation in Columbian Ground Squirrels. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	14
92	Growth and Size in Meadow Voles (<i>Microtus pennsylvanicus</i>). <i>American Midland Naturalist</i> , 1992, 128, 180.	0.4	13
93	Integrating Mortality Risk and the Adaptiveness of Hibernation. <i>Frontiers in Physiology</i> , 2020, 11, 706.	2.8	13
94	Fast and slow life histories of carnivores. <i>Canadian Journal of Zoology</i> , 2011, 89, 692-704.	1.0	12
95	UV signals in penguins. <i>Polar Biology</i> , 2009, 32, 513-514.	1.2	11
96	Aggression in Columbian ground squirrels: relationships with age, kinship, energy allocation, and fitness. <i>Behavioral Ecology</i> , 0, , arw098.	2.2	11
97	Testing models of biological scaling with mammalian population densities. <i>Canadian Journal of Zoology</i> , 2003, 81, 844-851.	1.0	10
98	Use of the Nest Site as a Rendezvous in Penguins. <i>Waterbirds</i> , 2003, 26, 409.	0.3	10
99	The influence of phylogeny and life history on telomere lengths and telomere rate of change among bird species: A meta-analysis. <i>Ecology and Evolution</i> , 2021, 11, 12908-12922.	1.9	10
100	Homosexual Mating Displays in Penguins. <i>Ethology</i> , 2010, 116, 1210-1216.	1.1	9
101	Variation in reproductive success of male and female Columbian ground squirrels (<i>Urocyon columbianus</i>). <i>Canadian Journal of Zoology</i> , 2012, 90, 736-743.	1.0	9
102	Male-Biased Mate Competition in King Penguin Trio Parades. <i>Ethology</i> , 2013, 119, 389-396.	1.1	9
103	Mate Choice and Colored Beak Spots of King Penguins. <i>Ethology</i> , 2015, 121, 1048-1058.	1.1	9
104	Assortative pairing by telomere length in King Penguins (<i>Aptenodytes patagonicus</i>) and relationships with breeding success. <i>Canadian Journal of Zoology</i> , 2018, 96, 639-647.	1.0	9
105	Survival of Alternative Dorsal-Pattern Morphs in Females of the Anole <i>Norops humilis</i> . <i>Herpetologica</i> , 2011, 67, 420-427.	0.4	8
106	Color ornaments and territory position in king penguins. <i>Behavioural Processes</i> , 2015, 119, 32-37.	1.1	8
107	Experimental stress during molt suggests the evolution of condition-dependent and condition-independent ornaments in the king penguin. <i>Ecology and Evolution</i> , 2018, 8, 1084-1095.	1.9	8
108	Effects of the social environment on vertebrate fitness and health in nature: Moving beyond the stress axis. <i>Hormones and Behavior</i> , 2022, 145, 105232.	2.1	8

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109	Social Subdivision Influences Effective Population Size in the Colonial-Breeding Black-Tailed Prairie Dog. <i>Journal of Mammalogy</i> , 2009, 90, 380-387.	1.3	7
110	Variation of mutual colour ornaments of king penguins in response to winter resource availability. <i>Behaviour</i> , 2015, 152, 1679-1700.	0.8	7
111	Kin effects on energy allocation in group-living ground squirrels. <i>Journal of Animal Ecology</i> , 2016, 85, 1361-1369.	2.8	7
112	Alternative reproductive tactics and lifetime reproductive success in a polygynandrous mammal. <i>Behavioral Ecology</i> , 2019, 30, 474-482.	2.2	7
113	Comparing fitness measures and the influence of age of first reproduction in Columbian ground squirrels. <i>Journal of Mammalogy</i> , 2020, 101, 1302-1312.	1.3	6
114	Premating behavioral tactics of Columbian ground squirrels. <i>Journal of Mammalogy</i> , 2011, 92, 861-870.	1.3	5
115	Development and evaluation of a migration timing forecast model for Kuskokwim River Chinook salmon. <i>Fisheries Research</i> , 2017, 194, 9-21.	1.7	5
116	Microhabitat use by plateau pikas: living on the edge. <i>Journal of Mammalogy</i> , 2019, 100, 1221-1228.	1.3	5
117	The role of microhabitat in predation on females with alternative dorsal patterns in a small Costa Rican anole (Squamata: Dactyloidae). <i>Revista De Biología Tropical</i> , 2013, 61, 887-95.	0.4	5
118	Social complexity in plateau pikas, <i>Ochotona curzoniae</i> . <i>Animal Behaviour</i> , 2022, 184, 27-41.	1.9	5
119	Integrating microclimatic variation in phenological responses to climate change: A 28-year study in a hibernating mammal. <i>Ecosphere</i> , 2022, 13, .	2.2	5
120	Measuring fitness and inferring natural selection from long-term field studies: different measures lead to nuanced conclusions. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, .	1.4	5
121	Telomere dynamics in female Columbian ground squirrels: recovery after emergence and loss after reproduction. <i>Oecologia</i> , 2022, 199, 301-312.	2.0	5
122	Beak color dynamically signals changes in fasting status and parasite loads in king penguins. <i>Behavioral Ecology</i> , 2016, , arw091.	2.2	4
123	Social stress in female Columbian ground squirrels: density-independent effects of kin contribute to variation in fecal glucocorticoid metabolites. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	1.4	4
124	Multiple paternity and the number of offspring: A model reveals two major groups of species. <i>BioEssays</i> , 2021, 43, e2000247.	2.5	4
125	Demographic responses to climate change in a threatened Arctic species. <i>Ecology and Evolution</i> , 2021, 11, 10627-10643.	1.9	4
126	Does feeding zone influence egg size in slow-breeding seabirds?. <i>Canadian Journal of Zoology</i> , 2015, 93, 589-592.	1.0	3

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127	Testing Williams's™ prediction: reproductive effort versus residual reproductive value (RRV). <i>Canadian Journal of Zoology</i> , 2010, 88, 900-904.	1.0	2
128	Estimating a Key Parameter of Mammalian Mating Systems: The Chance of Siring Success for a Mated Male. <i>BioEssays</i> , 2019, 41, 1900016.	2.5	2
129	Subtle short-term physiological costs of an experimental augmentation of fleas in wild Columbian ground squirrels. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	2
130	Parental investment in the Columbian ground squirrel: empirical tests of sex allocation models. <i>Ecology</i> , 2021, 102, e03479.	3.2	2
131	Territorial scent-marking effects on vigilance behavior, space use, and stress in female Columbian ground squirrels. <i>Hormones and Behavior</i> , 2022, 139, 105111.	2.1	2
132	Importance of Causal Analysis of Threats to Oceanic Avifaunas: Reply to Blackburn et al.. <i>Conservation Biology</i> , 2008, 22, 495-497.	4.7	1
133	Testing causal structure in the biogeography of avian extinctions on oceanic islands. <i>Journal of Biogeography</i> , 2009, 36, 1614-1617.	3.0	1
134	Demography of squirrel monkeys (<i>Saimiri sciureus</i>) in captive environments and its effect on population growth. <i>American Journal of Primatology</i> , 2011, 73, 1041-1050.	1.7	1
135	Live fast, die young, and win the sperm competition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17610-17611.	7.1	1
136	Is It a Boy or a Girl? Testing Hypotheses to Explain Variable Sex Ratios in Columbian Ground Squirrels. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, .	0.2	0
137	Fitness. , 2018, , 1-7.		0
138	Fitness. , 2022, , 2739-2745.		0