F Stephen Dobson

List of Publications by Year
in descending order

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	Social complexity in plateau pikas, Ochotona curzoniae. Animal Behaviour, 2022, 184, 27-41.	1.9	5
2	Territorial scent-marking effects on vigilance behavior, space use, and stress in female Columbian ground squirrels. Hormones and Behavior, 2022, 139, 105111.	2.1	2
3	Integrating microclimatic variation in phenological responses to climate change: A 28â€year study in a hibernating mammal. Ecosphere, 2022, 13, .	2.2	5
4	Fitness. , 2022, , 2739-2745.		0
5	Measuring fitness and inferring natural selection from long-term field studies: different measures lead to nuanced conclusions. Behavioral Ecology and Sociobiology, 2022, 76, .	1.4	5
6	Telomere dynamics in female Columbian ground squirrels: recovery after emergence and loss after reproduction. Oecologia, 2022, 199, 301-312.	2.0	5
7	Effects of the social environment on vertebrate fitness and health in nature: Moving beyond the stress axis. Hormones and Behavior, 2022, 145, 105232.	2.1	8
8	Multiple paternity and the number of offspring: A model reveals two major groups of species. BioEssays, 2021, 43, e2000247.	2.5	4
9	Demographic responses to climate change in a threatened Arctic species. Ecology and Evolution, 2021, 11, 10627-10643.	1.9	4
10	Parental investment in the Columbian ground squirrel: empirical tests of sex allocation models. Ecology, 2021, 102, e03479.	3.2	2
11	The influence of phylogeny and life history on telomere lengths and telomere rate of change among bird species: A metaâ€analysis. Ecology and Evolution, 2021, 11, 12908-12922.	1.9	10
12	Is It a Boy or a Girl? Testing Hypotheses to Explain Variable Sex Ratios in Columbian Ground Squirrels. Bulletin of the Ecological Society of America, 2021, 102, .	0.2	0
13	Comparing fitness measures and the influence of age of first reproduction in Columbian ground squirrels. Journal of Mammalogy, 2020, 101, 1302-1312.	1.3	6
14	Fitness Estimation for Ecological Studies: An Evaluation in Columbian Ground Squirrels. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	14
15	Integrating Mortality Risk and the Adaptiveness of Hibernation. Frontiers in Physiology, 2020, 11, 706.	2.8	13
16	Social stress in female Columbian ground squirrels: density-independent effects of kin contribute to variation in fecal glucocorticoid metabolites. Behavioral Ecology and Sociobiology, 2020, 74, 1.	1.4	4
17	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31969-31978.	7.1	69
18	Adaptive responses of animals to climate change are most likely insufficient. Nature Communications, 2019, 10, 3109.	12.8	285

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19	Estimating a Key Parameter of Mammalian Mating Systems: The Chance of Siring Success for a Mated Male. BioEssays, 2019, 41, 1900016.	2.5	2
20	Subtle short-term physiological costs of an experimental augmentation of fleas in wild Columbian ground squirrels. Journal of Experimental Biology, 2019, 222, .	1.7	2
21	Microhabitat use by plateau pikas: living on the edge. Journal of Mammalogy, 2019, 100, 1221-1228.	1.3	5
22	Alternative reproductive tactics and lifetime reproductive success in a polygynandrous mammal. Behavioral Ecology, 2019, 30, 474-482.	2.2	7
23	Assortative pairing by telomere length in King Penguins (Aptenodytes patagonicus) and relationships with breeding success. Canadian Journal of Zoology, 2018, 96, 639-647.	1.0	9
24	Experimental stress during molt suggests the evolution of conditionâ€dependent and conditionâ€independent ornaments in the king penguin. Ecology and Evolution, 2018, 8, 1084-1095.	1.9	8
25	Maternal oxidative stress and reproduction: Testing the constraint, cost and shielding hypotheses in a wild mammal. Functional Ecology, 2018, 32, 722-735.	3.6	17
26	Multiple paternity and number of offspring in mammals. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20182042.	2.6	17
27	Fitness. , 2018, , 1-7.		0
28	Plasticity results in delayed breeding in a longâ€distant migrant seabird. Ecology and Evolution, 2017, 7, 3100-3109.	1.9	30
29	Development and evaluation of a migration timing forecast model for Kuskokwim River Chinook salmon. Fisheries Research, 2017, 194, 9-21.	1.7	5
30	Kin effects on energy allocation in groupâ€living ground squirrels. Journal of Animal Ecology, 2016, 85, 1361-1369.	2.8	7
31	Beak color dynamically signals changes in fasting status and parasite loads in king penguins. Behavioral Ecology, 2016, , arw091.	2.2	4
32	Mutually honest? Physiological â€˜qualitiesâ€™ signalled byÂcolour ornaments in monomorphic king penguins. Biological Journal of the Linnean Society, 2016, 118, 200-214.	1.6	22
33	Fitness implications of seasonal climate variation in Columbian ground squirrels. Ecology and Evolution, 2016, 6, 5614-5622.	1.9	15
34	Testing the reproductive and somatic tradeâ€off in female Columbian ground squirrels. Ecology and Evolution, 2016, 6, 7586-7595.	1.9	14
35	Mate Choice and Colored Beak Spots of King Penguins. Ethology, 2015, 121, 1048-1058.	1.1	9
36	Variation of mutual colour ornaments of king penguins in response to winter resource availability. Behaviour, 2015, 152, 1679-1700.	0.8	7

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37	Color ornaments and territory position in king penguins. Behavioural Processes, 2015, 119, 32-37.	1.1	8
38	Ectoparasites and fitness of female Columbian ground squirrels. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140113.	4.0	18
39	Does feeding zone influence egg size in slow-breeding seabirds?. Canadian Journal of Zoology, 2015, 93, 589-592.	1.0	3
40	Maleâ€Biased Mate Competition in King Penguin Trio Parades. Ethology, 2013, 119, 389-396.	1.1	9
41	Live fast, die young, and win the sperm competition. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17610-17611.	7.1	1
42	How Life History Influences Population Dynamics in Fluctuating Environments. American Naturalist, 2013, 182, 743-759.	2.1	152
43	The enduring question of sex-biased dispersal: Paul J. Greenwood's (1980) seminal contribution. Animal Behaviour, 2013, 85, 299-304.	1.9	65
44	Estimating the effect of temporally autocorrelated environments on the demography of densityâ€independent ageâ€structured populations. Methods in Ecology and Evolution, 2013, 4, 573-584.	5.2	24
45	Canalization of phenology in common terns: genetic and phenotypic variations in spring arrival date. Behavioral Ecology, 2013, 24, 683-690.	2.2	23
46	The role of microhabitat in predation on females with alternative dorsal patterns in a small Costa Rican anole (Squamata: Dactyloidae). Revista De Biologia Tropical, 2013, 61, 887-95.	0.4	5
47	Variation in reproductive success of male and female Columbian ground squirrels (UrocitellusÂcolumbianus). Canadian Journal of Zoology, 2012, 90, 736-743.	1.0	9
48	The biogeography of Gentoo Penguins (PygoscelisÂpapua). Canadian Journal of Zoology, 2012, 90, 352-360.	1.0	23
49	Lifestyles and phylogeny explain bird life histories. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10747-10748.	7.1	14
50	Delayed phenology and reduced fitness associated with climate change in a wild hibernator. Nature, 2012, 489, 554-557.	27.8	248
51	Kin selection in Columbian ground squirrels: direct and indirect fitness benefits. Molecular Ecology, 2012, 21, 524-531.	3.9	30
52	Philopatry and withinâ€colony movements in Columbian ground squirrels. Molecular Ecology, 2012, 21, 493-504.	3.9	28
53	Survival of Alternative Dorsal-Pattern Morphs in Females of the Anole Norops humilis. Herpetologica, 2011, 67, 420-427.	0.4	8
54	Sexual Selection on a Coloured Ornament in King Penguins. Ethology, 2011, 117, 872-879.	1.1	14

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55	A phylogenetic framework for the evolution of female polymorphism in anoles. Biological Journal of the Linnean Society, 2011, 104, 303-317.	1.6	26
56	No experimental effects of parasite load on male mating behaviour and reproductive success. Animal Behaviour, 2011, 82, 673-682.	1.9	15
57	Premating behavioral tactics of Columbian ground squirrels. Journal of Mammalogy, 2011, 92, 861-870.	1.3	5
58	Male reproductive tactics to increase paternity in the polygynandrous Columbian ground squirrel (Urocitellus columbianus). Behavioral Ecology and Sociobiology, 2011, 65, 695-706.	1.4	23
59	Demography of squirrel monkeys (Saimiri sciureus) in captive environments and its effect on population growth. American Journal of Primatology, 2011, 73, 1041-1050.	1.7	1
60	Fast and slow life histories of carnivores. Canadian Journal of Zoology, 2011, 89, 692-704.	1.0	12
61	Mutual Mate Choice for Colorful Traits in King Penguins. Ethology, 2010, 116, 635-644.	1.1	38
62	Homosexual Mating Displays in Penguins. Ethology, 2010, 116, 1210-1216.	1.1	9
63	Kin selection in Columbian ground squirrels (Urocitellus columbianus): littermate kin provide individual fitness benefits. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 989-994.	2.6	40
64	Mating order and reproductive success in male Columbian ground squirrels (Urocitellus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (c	2.2	53
65	Spatial dynamics and the evolution of social monogamy in mammals. Behavioral Ecology, 2010, 21, 747-752.	2.2	60
66	The trade-off of reproduction and survival in slow-breeding seabirds. Canadian Journal of Zoology, 2010, 88, 889-899.	1.0	26
67	Testing Williamsâ€™ prediction: reproductive effort versus residual reproductive value (RRV). Canadian Journal of Zoology, 2010, 88, 900-904.	1.0	2
68	Social Subdivision Influences Effective Population Size in the Colonial-Breeding Black-Tailed Prairie Dog. Journal of Mammalogy, 2009, 90, 380-387.	1.3	7
69	Reproductive Value and the Stochastic Demography of Ageâ€Structured Populations. American Naturalist, 2009, 174, 795-804.	2.1	72
70	Experiments on colour ornaments and mate choice in king penguins. Animal Behaviour, 2009, 78, 1247-1253.	1.9	28
71	UV signals in penguins. Polar Biology, 2009, 32, 513-514.	1.2	11
72	Testing causal structure in the biogeography of avian extinctions on oceanic islands. Journal of Biogeography, 2009, 36, 1614-1617.	3.0	1

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73	Maternal influences on reproduction in two populations of Columbian ground squirrels. Ecological Monographs, 2009, 79, 325-341.	5.4	56
74	Coloured patches influence pairing rate in King Penguins. Ibis, 2008, 150, 193-196.	1.9	23
75	Importance of Causal Analysis of Threats to Oceanic Avifaunas: Reply to Blackburn et al.. Conservation Biology, 2008, 22, 495-497.	4.7	1
76	Comparison of Color and Body Condition Between Early and Late Breeding King Penguins. Ethology, 2008, 114, 925-933.	1.1	30
77	Why are Male Columbian Ground Squirrels Territorial?. Ethology, 2008, 114, 1049-1060.	1.1	25
78	Senescence rates are determined by ranking on the fastâ€“slow lifeâ€history continuum. Ecology Letters, 2008, 11, 664-673.	6.4	317
79	ORIGINAL ARTICLE: The biogeography of avian extinctions on oceanic islands. Journal of Biogeography, 2008, 35, 1106-1111.	3.0	21
80	Previous Experience and Reproductive Investment of Female Columbian Ground Squirrels. Journal of Mammalogy, 2008, 89, 145-152.	1.3	33
81	Social Group Fission and Gene Dynamics among Black-Tailed Prairie Dogs (Cynomys ludovicianus). Journal of Mammalogy, 2007, 88, 448-456.	1.3	17
82	A lifestyle view of life-history evolution. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17565-17566.	7.1	42
83	How slow breeding can be selected in seabirds: testing Lack's hypothesis. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 275-279.	2.6	31
84	VARIATION IN LITTER SIZE: A TEST OF HYPOTHESES IN RICHARDSON'S GROUND SQUIRRELS. Ecology, 2007, 88, 306-314.	3.2	33
85	Fast and slow life histories of mammals. Ecoscience, 2007, 14, 292.	1.4	76
86	Threats to Avifauna on Oceanic Islands. Conservation Biology, 2007, 21, 125-132.	4.7	38
87	Mechanisms of the group-size effect on vigilance in Columbian ground squirrels: dilution versus detection. Animal Behaviour, 2007, 73, 115-123.	1.9	81
88	Why do male Columbian ground squirrels give a mating call?. Animal Behaviour, 2007, 74, 1319-1327.	1.9	34
89	Ornamental plumage coloration and condition are dependent on age in eastern bluebirdsSialia sialis. Journal of Avian Biology, 2005, 36, 428-435.	1.2	62
90	Ultraviolet Beak Spots in King and Emperor Penguins. Condor, 2005, 107, 144-150.	1.6	33

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91	The effects of capital on an income breeder: evidence from female Columbian ground squirrels. Canadian Journal of Zoology, 2005, 83, 546-552.	1.0	52
92	ULTRAVIOLET BEAK SPOTS IN KING AND EMPEROR PENGUINS. Condor, 2005, 107, 144.	1.6	31
93	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. Condor, 2004, 106, 390-395.	1.6	83
94	The Influence of Social Breeding Groups on Effective Population Size in Black-tailed Prairie Dogs. Journal of Mammalogy, 2004, 85, 58-66.	1.3	25
95	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. Condor, 2004, 106, 390.	1.6	79
96	How mothers find their pups in a colony of Antarctic fur seals. Behavioural Processes, 2003, 61, 77-85.	1.1	29
97	The Relative Importance of Lifeâ€History Variables to Population Growth Rate in Mammals: Coleâ€™s Prediction Revisited. American Naturalist, 2003, 161, 422-440.	2.1	211
98	Testing models of biological scaling with mammalian population densities. Canadian Journal of Zoology, 2003, 81, 844-851.	1.0	10
99	Use of the Nest Site as a Rendezvous in Penguins. Waterbirds, 2003, 26, 409.	0.3	10
100	Experimental tests of spatial association and kinship in monogamous mice (Mus spicilegus) and polygynous mice (Mus musculus domesticus). Canadian Journal of Zoology, 2002, 80, 980-986.	1.0	33
101	Why breed every other year? The case of albatrosses. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1955-1961.	2.6	61
102	POPULATION CYCLES IN SMALL MAMMALS: THE Î±-HYPOTHESIS. Journal of Mammalogy, 2001, 82, 573-581.	1.3	34
103	EFFECT OF DENSITY REDUCTION ON UINTA GROUND SQUIRRELS: ANALYSIS OF LIFE TABLE RESPONSE EXPERIMENTS. Ecology, 2001, 82, 1921-1929.	3.2	76
104	The Demographic Basis of Population Regulation in Columbian Ground Squirrels. American Naturalist, 2001, 158, 236-247.	2.1	90
105	Seven forms of rarity in mammals. Journal of Biogeography, 2000, 27, 131-139.	3.0	97
106	An experimental test of kin association in the house mouse. Canadian Journal of Zoology, 2000, 78, 1806-1812.	1.0	41
107	Availability of nest sites does not limit population size of southern flying squirrels. Canadian Journal of Zoology, 2000, 78, 1144-1149.	1.0	33
108	Increasing returns in the life history of Columbian ground squirrels. Journal of Animal Ecology, 1999, 68, 73-86.	2.8	92

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109	Environmental influences on geographic variation in body size of western bobcats. Canadian Journal of Zoology, 1999, 77, 802-813.	1.0	81
110	Population Cycles in Small Mammals: The Role of Age at Sexual Maturity. Oikos, 1999, 86, 557.	2.7	68
111	Social and ecological influences on dispersal and philopatry in the plateau pika (Ochotona) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.2	88
112	Breeding Groups and Gene Dynamics in a Socially Structured Population of Prairie Dogs. Journal of Mammalogy, 1998, 79, 671.	1.3	58
113	DO BLACKâ€TAILED PRAIRIE DOGS MINIMIZE INBREEDING?. Evolution; International Journal of Organic Evolution, 1997, 51, 970-978.	2.3	64
114	Do Black-Tailed Prairie Dogs Minimize Inbreeding?. Evolution; International Journal of Organic Evolution, 1997, 51, 970.	2.3	35
115	A natural "Benchmark" for Ecosystem Function. Conservation Biology, 1997, 11, 300-307.	4.7	20
116	Environmental influences on the sexual dimorphism in body size of western bobcats. Oecologia, 1996, 108, 610-616.	2.0	29
117	Population genetics meets behavioral ecology. Trends in Ecology and Evolution, 1996, 11, 338-342.	8.7	282
118	Is Mean Litter Size the Most Productive? A Test in Columbian Ground Squirrels. Ecology, 1995, 76, 1643-1654.	3.2	42
119	Regulation of population size: evidence from Columbian ground squirrels. Oecologia, 1995, 102, 44-51.	2.0	33
120	Maternal Traits and Reproduction in Richardson's Ground Squirrels. Ecology, 1995, 76, 851-862.	3.2	126
121	The Importance of Evaluating Rarity. Conservation Biology, 1995, 9, 1648-1651.	4.7	22
122	Measures of gene flow in the Columbian ground squirrel. Oecologia, 1994, 100-100, 190-195.	2.0	32
123	Rarity in Neotropical Forest Mammals Revisited. Conservation Biology, 1993, 7, 586-591.	4.7	44
124	Growth and Size in Meadow Voles (Microtus pennsylvanicus). American Midland Naturalist, 1992, 128, 180.	0.4	13
125	Body Mass, Structural Size, and Life-History Patterns of the Columbian Ground Squirrel. American Naturalist, 1992, 140, 109-125.	2.1	98
126	Seasonal activity and body mass of Columbian ground squirrels. Canadian Journal of Zoology, 1992, 70, 1364-1368.	1.0	51

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127	Environmental Influences on Infanticide in Columbian Ground Squirrels. Ethology, 1990, 84, 3-14.	1.1	31
128	Interpretation of Intraspecific Life History Patterns: Evidence from Columbian Ground Squirrels. American Naturalist, 1987, 129, 382-397.	2.1	108
129	Multiple Causes of Dispersal. American Naturalist, 1985, 126, 855-858.	2.1	232
130	THE USE OF PHYLOGENY IN BEHAVIOR AND ECOLOGY. Evolution; International Journal of Organic Evolution, 1985, 39, 1384-1388.	2.3	38
131	The Use of Phylogeny in Behavior and Ecology. Evolution; International Journal of Organic Evolution, 1985, 39, 1384.	2.3	25
132	The influence of food resources on life history in Columbian ground squirrels. Canadian Journal of Zoology, 1985, 63, 2105-2109.	1.0	91
133	The influence of food resources on population dynamics in Columbian ground squirrels. Canadian Journal of Zoology, 1985, 63, 2095-2104.	1.0	83
134	Agonism and Territoriality in the California Ground Squirrel. Journal of Mammalogy, 1983, 64, 218-225.	1.3	29
135	Competition for mates and predominant juvenile male dispersal in mammals. Animal Behaviour, 1982, 30, 1183-1192.	1.9	769
136	An Experimental Study of Dispersal in the California Ground Squirrel. Ecology, 1979, 60, 1103.	3.2	152
137	Male-female associations and female olfactory neurogenesis with pair bonding in Mus spicilegus. Biological Journal of the Linnean Society, 0, 84, 323-334.	1.6	38
138	Aggression in Columbian ground squirrels: relationships with age, kinship, energy allocation, and fitness. Behavioral Ecology, 0, , arw098.	2.2	11