

Stephen D Albon

List of Publications by Year in descending order

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124
papers

15,534
citations

18482

62
h-index

19190

118
g-index

125
all docs

125
docs citations

125
times ranked

8869
citing authors

#	ARTICLE	IF	CITATIONS
1	Age, Sex, Density, Winter Weather, and Population Crashes in Soay Sheep. <i>Science</i> , 2001, 292, 1528-1531.	12.6	820
2	The Roaring of Red Deer and the Evolution of Honest Advertisement. <i>Behaviour</i> , 1979, 69, 145-170.	0.8	742
3	The logical stag: Adaptive aspects of fighting in red deer (<i>Cervus elaphus</i> L.). <i>Animal Behaviour</i> , 1979, 27, 211-225.	1.9	713
4	Parental investment and sex differences in juvenile mortality in birds and mammals. <i>Nature</i> , 1985, 313, 131-133.	27.8	612
5	Fitness costs of gestation and lactation in wild mammals. <i>Nature</i> , 1989, 337, 260-262.	27.8	551
6	Noise and determinism in synchronized sheep dynamics. <i>Nature</i> , 1998, 394, 674-677.	27.8	498
7	Maternal dominance, breeding success and birth sex ratios in red deer. <i>Nature</i> , 1984, 308, 358-360.	27.8	486
8	Plant Phenology and the Benefits of Migration in a Temperate Ungulate. <i>Oikos</i> , 1992, 65, 502.	2.7	396
9	Early Development and Population Dynamics in Red Deer. II. Density-Independent Effects and Cohort Variation. <i>Journal of Animal Ecology</i> , 1987, 56, 69.	2.8	358
10	Microsatellites reveal heterosis in red deer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 489-495.	2.6	351
11	Population density affects sex ratio variation in red deer. <i>Nature</i> , 1999, 399, 459-461.	27.8	343
12	Great expectations: dominance, breeding success and offspring sex ratios in red deer. <i>Animal Behaviour</i> , 1986, 34, 460-471.	1.9	335
13	Parental investment in male and female offspring in polygynous mammals. <i>Nature</i> , 1981, 289, 487-489.	27.8	304
14	Early Development and Population Dynamics in Red Deer. I. Density-Dependent Effects on Juvenile Survival. <i>Journal of Animal Ecology</i> , 1987, 56, 53.	2.8	302
15	The Costs of Reproduction to Red Deer Hinds. <i>Journal of Animal Ecology</i> , 1983, 52, 367.	2.8	289
16	The role of parasites in the dynamics of a reindeer population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1625-1632.	2.6	272
17	Climate and population density induce long-term cohort variation in a northern ungulate. <i>Journal of Animal Ecology</i> , 2001, 70, 721-729.	2.8	270
18	Antlers, body size and breeding group size in the Cervidae. <i>Nature</i> , 1980, 285, 565-567.	27.8	223

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19	Behavioral estimates of male mating success tested by DNA fingerprinting in a polygynous mammal. <i>Behavioral Ecology</i> , 1992, 3, 66-75.	2.2	218
20	Stability and Instability in Ungulate Populations: An Empirical Analysis. <i>American Naturalist</i> , 1997, 149, 195-219.	2.1	217
21	Climate, Plant Phenology and Variation in Age of First Reproduction in a Temperate Herbivore. <i>Journal of Animal Ecology</i> , 1996, 65, 653.	2.8	216
22	Fertility and Body Weight in Female Red Deer: A Density-Dependent Relationship. <i>Journal of Animal Ecology</i> , 1983, 52, 969.	2.8	215
23	Passing the buck: resource defence, lek breeding and mate choice in fallow deer. <i>Behavioral Ecology and Sociobiology</i> , 1988, 23, 281-296.	1.4	209
24	Improving the science-policy dialogue to meet the challenges of biodiversity conservation: having conversations rather than talking at one-another. <i>Biodiversity and Conservation</i> , 2014, 23, 387-404.	2.6	209
25	Factors Affecting Calf Mortality in Red Deer (<i>Cervus elaphus</i>). <i>Journal of Animal Ecology</i> , 1978, 47, 817.	2.8	205
26	Early Development and Population Fluctuations in Soay Sheep. <i>Journal of Animal Ecology</i> , 1992, 61, 381.	2.8	185
27	Estimating the contributions of population density and climatic fluctuations to interannual variation in survival of Soay sheep. <i>Journal of Animal Ecology</i> , 1999, 68, 1235-1247.	2.8	181
28	Persistent Instability and Population Regulation in Soay Sheep. <i>Journal of Animal Ecology</i> , 1991, 60, 593.	2.8	177
29	The impact of gastrointestinal nematodes on wild reindeer: experimental and cross-sectional studies. <i>Journal of Animal Ecology</i> , 2002, 71, 937-945.	2.8	170
30	Trading forage quality for quantity? Plant phenology and patch choice by Svalbard reindeer. <i>Oecologia</i> , 2000, 123, 108-115.	2.0	166
31	Fertility in female Red deer (<i>Cervus elaphus</i>): the effects of body composition, age and reproductive status. <i>Journal of Zoology</i> , 1986, 209, 447-460.	1.7	164
32	POPULATION SUBSTRUCTURE, LOCAL DENSITY, AND CALF WINTER SURVIVAL IN RED DEER (CERVUS) Tj ETQq0 0 Q,rgBT /Overlock 10 T	3.2	154
33	Overcompensation and population cycles in an ungulate. <i>Nature</i> , 1992, 355, 823-826.	27.8	153
34	Mammalian sex ratios and variation in costs of rearing sons and daughters. <i>Nature</i> , 1990, 343, 261-263.	27.8	151
35	Competition between female relatives in a matrilineal mammal. <i>Nature</i> , 1982, 300, 178-180.	27.8	145
36	Repeated selection of morphometric traits in the Soay sheep on St Kilda. <i>Journal of Animal Ecology</i> , 1999, 68, 472-488.	2.8	134

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37	Estimating variance components and heritabilities in the wild: a case study using the 'animal model' approach. <i>Journal of Evolutionary Biology</i> , 2000, 13, 804-813.	1.7	133
38	Interactions Between Population Density and Maternal Characteristics Affecting Fecundity and Juvenile Survival in Red Deer. <i>Journal of Animal Ecology</i> , 1987, 56, 857.	2.8	131
39	Allocation of resources for conservation. <i>Nature</i> , 1988, 336, 533-535.	27.8	130
40	HIGH POTENTIAL FOR COMPETITION BETWEEN GUANACOS AND SHEEP IN PATAGONIA. <i>Journal of Wildlife Management</i> , 2004, 68, 924-938.	1.8	130
41	Guanacos and sheep: evidence for continuing competition in arid Patagonia. <i>Oecologia</i> , 2001, 129, 561-570.	2.0	121
42	Factors influencing Soay sheep survival. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2000, 49, 453-472.	1.0	118
43	Temporal changes in key factors and key age groups influencing the population dynamics of female red deer. <i>Journal of Animal Ecology</i> , 2000, 69, 1099-1110.	2.8	118
44	Parasite-associated polymorphism in a cyclic ungulate population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 254, 7-13.	2.6	117
45	Illegal Exploitation of Black Rhinoceros and Elephant Populations: Patterns of Decline, Law Enforcement and Patrol Effort in Luangwa Valley, Zambia. <i>Journal of Applied Ecology</i> , 1990, 27, 1055.	4.0	111
46	Contrasting effects of summer and winter warming on body mass explain population dynamics in a food-limited Arctic herbivore. <i>Global Change Biology</i> , 2017, 23, 1374-1389.	9.5	111
47	Small-scale spatial dynamics in a fluctuating ungulate population. <i>Journal of Animal Ecology</i> , 1999, 68, 658-671.	2.8	105
48	MICROSATELLITE LOCI REVEAL SEX-DEPENDENT RESPONSES TO INBREEDING AND OUTBREEDING IN RED DEER CALVES. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 1951-1960.	2.3	99
49	Phenotypic plasticity in a maternal trait in red deer. <i>Journal of Animal Ecology</i> , 2005, 74, 387-396.	2.8	98
50	Correlates of female choice in resource-defending antelope. <i>Behavioral Ecology and Sociobiology</i> , 1992, 31, 107-114.	1.4	90
51	Congruent responses to weather variability in high arctic herbivores. <i>Biology Letters</i> , 2012, 8, 1002-1005.	2.3	85
52	Selection for Foraging Efficiency During a Population Crash in Soay Sheep. <i>Journal of Animal Ecology</i> , 1995, 64, 481.	2.8	80
53	Local extinction in a small and declining population : wild dogs in the Serengeti. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995, 262, 221-228.	2.6	79
54	Density-Dependent Changes in the Spacing Behaviour of Female Kin in Red Deer. <i>Journal of Animal Ecology</i> , 1992, 61, 131.	2.8	77

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55	Density-dependent selection in a fluctuating ungulate population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 31-38.	2.6	75
56	Low-level parasitic worm burdens may reduce body condition in free-ranging red deer (<i>Cervus</i>). <i>Overlock</i> 10, Tf 50 702	1.5	74
57	Correlates of male mating success and female choice in a lek-breeding antelope. <i>Behavioral Ecology</i> , 1992, 3, 112-123.	2.2	72
58	Faecal avoidance and the risk of infection by nematodes in a natural population of reindeer. <i>Oecologia</i> , 2000, 124, 19-25.	2.0	72
59	Life-history strategies and population dynamics of abomasal nematodes in Svalbard reindeer (<i>Rangifer</i>). <i>Oecologia</i> 110, 784-791	1.5	71
60	Antler length of yearling red deer is determined by population density, weather and early life-history. <i>Oecologia</i> , 2001, 127, 191-197.	2.0	71
61	Quantifying the grazing impacts associated with different herbivores on rangelands. <i>Journal of Applied Ecology</i> , 2007, 44, 1176-1187.	4.0	66
62	Cohort Variation in Reproduction and Survival: Implications for Population Demography. , 1992, , 15-21.		66
63	The maintenance of genetic polymorphism in small island populations: large mammals in the Hebrides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1996, 351, 745-752.	4.0	65
64	More frequent extreme climate events stabilize reindeer population dynamics. <i>Nature Communications</i> , 2019, 10, 1616.	12.8	65
65	Testing five hypotheses of sexual segregation in an arctic ungulate. <i>Journal of Animal Ecology</i> , 2006, 75, 485-496.	2.8	63
66	Microsatellite DNA evidence for genetic drift and philopatry in Svalbard reindeer. <i>Molecular Ecology</i> , 2002, 11, 1923-1930.	3.9	61
67	REVIEW: The identification of priority policy options for UK nature conservation. <i>Journal of Applied Ecology</i> , 2010, 47, 955-965.	4.0	58
68	Impacts of climate, host and landscape factors on <i>Culicoides</i> species in Scotland. <i>Medical and Veterinary Entomology</i> , 2012, 26, 168-177.	1.5	56
69	Body condition in Svalbard reindeer and the use of blood parameters as indicators of condition and fitness. <i>Canadian Journal of Zoology</i> , 2003, 81, 1566-1578.	1.0	55
70	Is there a cost of parasites to caribou?. <i>Parasitology</i> , 2009, 136, 253-265.	1.5	55
71	Spatial heterogeneity in climate change effects decouples the long-term dynamics of wild reindeer populations in the high Arctic. <i>Global Change Biology</i> , 2019, 25, 3656-3668.	9.5	54
72	Microsatellite Loci Reveal Sex-Dependent Responses to Inbreeding and Outbreeding in Red Deer Calves. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 1951.	2.3	53

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73	Circadian rhythmicity persists through the Polar night and midnight sun in Svalbard reindeer. <i>Scientific Reports</i> , 2018, 8, 14466.	3.3	53
74	Blastocyst Development and Conceptus Sex Selection in Red Deer <i>Cervus elaphus</i> : Studies of a Free-Living Population on the Isle of Rum. <i>General and Comparative Endocrinology</i> , 1997, 106, 374-383.	1.8	51
75	Winter mortality in Red deer (<i>Cervus elaphus</i>). <i>Journal of Zoology</i> , 1982, 198, 515-519.	1.7	48
76	Behavioral buffering of extreme weather events in a high Arctic herbivore. <i>Ecosphere</i> , 2016, 7, e01374.	2.2	46
77	COUNTERVAILING SELECTION IN DIFFERENT FITNESS COMPONENTS IN FEMALE RED DEER. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 93-103.	2.3	44
78	Molecular genetic variation and individual survival during population crashes of an unmanaged ungulate population. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1995, 347, 263-273.	4.0	44
79	Structured Accounting of the Variance of Demographic Change. <i>Journal of Animal Ecology</i> , 1993, 62, 490.	2.8	43
80	Genotype by environment interactions in winter survival in red deer. <i>Journal of Animal Ecology</i> , 1998, 67, 434-445.	2.8	43
81	An integrated population model for a long-lived ungulate: more efficient data use with Bayesian methods. <i>Oikos</i> , 2015, 124, 806-816.	2.7	43
82	Contrasting regulation of fecundity in two abomasal nematodes of Svalbard reindeer (<i>Rangifer</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38</i>	1.5	42
83	Cohort variation in individual body mass dissipates with age in large herbivores. <i>Ecological Monographs</i> , 2016, 86, 517-543.	5.4	42
84	Constraints on plastic responses to climate variation in red deer. <i>Biology Letters</i> , 2005, 1, 457-460.	2.3	41
85	Genetics and Evolution of Infectious Diseases in Natural Populations Group Report. , 1995, , 450-477.		37
86	Gestation length variation in a wild ungulate. <i>Functional Ecology</i> , 2011, 25, 691-703.	3.6	37
87	Evidence for continued transmission of parasitic nematodes in reindeer during the Arctic winter. <i>International Journal for Parasitology</i> , 1999, 29, 567-579.	3.1	36
88	Evaluating capture stress and its effects on reproductive success in Svalbard reindeer. <i>Canadian Journal of Zoology</i> , 2009, 87, 73-85.	1.0	36
89	Genetic Variation and Juvenile Survival in Red Deer. <i>Evolution; International Journal of Organic Evolution</i> , 1988, 42, 921.	2.3	34
90	Early growth and sucking behaviour of Soay sheep in a fluctuating population. <i>Journal of Zoology</i> , 1992, 227, 661-672.	1.7	34

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91	The neglected season: Warmer autumns counteract harsher winters and promote population growth in Arctic reindeer. <i>Global Change Biology</i> , 2021, 27, 993-1002.	9.5	33
92	Climatic Variation and Body Weight of Red Deer. <i>Journal of Wildlife Management</i> , 1983, 47, 1197.	1.8	31
93	Trial and error in the Highlands. <i>Nature</i> , 1992, 358, 11-12.	27.8	30
94	Maternal winter body mass and not spring phenology determine annual calf production in an Arctic herbivore. <i>Oikos</i> , 2017, 126, 980-987.	2.7	30
95	Identification by polymerase chain reaction (PCR) of <i>Marshallagia marshalli</i> and <i>Ostertagia gruehneri</i> from Svalbard reindeer. <i>International Journal for Parasitology</i> , 2000, 30, 863-866.	3.1	28
96	Identifying when weather influences life-history traits of grazing herbivores. <i>Journal of Animal Ecology</i> , 2007, 76, 761-770.	2.8	28
97	The influence of weather conditions during gestation on life histories in a wild Arctic ungulate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161760.	2.6	28
98	Getting the timing right: antler growth phenology and sexual selection in a wild red deer population. <i>Oecologia</i> , 2010, 164, 357-368.	2.0	27
99	The presence of sheep leads to increases in plant diversity and reductions in the impact of deer on heather. <i>Journal of Applied Ecology</i> , 2011, 48, 1269-1277.	4.0	27
100	Demographic buffering of life histories? Implications of the choice of measurement scale. <i>Ecology</i> , 2016, 97, 40-47.	3.2	27
101	Population Substructure, Local Density, and Calf Winter Survival in Red Deer (<i>Cervus Elaphus</i>). <i>Ecology</i> , 1997, 78, 852.	3.2	26
102	Silver spoon effects are constrained under extreme adult environmental conditions. <i>Ecology</i> , 2019, 100, e02886.	3.2	26
103	Resistance to abomasal nematodes and individual genetic variability in reindeer. <i>Molecular Ecology</i> , 2005, 14, 4159-4168.	3.9	21
104	Disease transmission in an extreme environment: Nematode parasites infect reindeer during the Arctic winter. <i>International Journal for Parasitology</i> , 2012, 42, 789-795.	3.1	20
105	The population dynamics of <i>Ostertagia gruehneri</i> in reindeer: a model for the seasonal and intensity dependent variation in nematode fecundity. <i>International Journal for Parasitology</i> , 2002, 32, 991-996.	3.1	19
106	Sex ratio variation in gastrointestinal nematodes of Svalbard reindeer; density dependence and implications for estimates of species composition. <i>Parasitology</i> , 2005, 130, 99-107.	1.5	18
107	The effect of landscape heterogeneity and host movement on a tick-borne pathogen. <i>Theoretical Ecology</i> , 2011, 4, 435-448.	1.0	18
108	Combining Slaughterhouse Surveillance Data with Cattle Tracing Scheme and Environmental Data to Quantify Environmental Risk Factors for Liver Fluke in Cattle. <i>Frontiers in Veterinary Science</i> , 2017, 4, 65.	2.2	18

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109	Behavioral Dominance and Corpus Luteum Function in Red Deer <i>Cervus elaphus</i> . <i>Hormones and Behavior</i> , 1997, 31, 296-304.	2.1	15
110	Determinants of heart rate in Svalbard reindeer reveal mechanisms of seasonal energy management. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200215.	4.0	15
111	No evidence for adaptation of two <i>Polygonum viviparum</i> morphotypes of different bulbil characteristics to length of growing season: abundance, biomass and germination. <i>Polar Biology</i> , 2002, 25, 884-890.	1.2	14
112	Age-related effects on breeding phenology and success of Common Guillemots <i>Uria aalge</i> at a North Sea colony. <i>Bird Study</i> , 2016, 63, 311-318.	1.0	11
113	Population dynamics in Soay sheep. , 2003, , 52-88.		8
114	Individuals and populations: the effects of social behaviour on population dynamics in deer. <i>Proceedings of the Royal Society of Edinburgh Section B Biological Sciences</i> , 1984, 82, 275-290.	0.2	7
115	Vegetation and sheep population dynamics. , 2003, , 89-112.		7
116	Antler growth as a cost of reproduction in female reindeer. <i>Oecologia</i> , 2019, 189, 601-609.	2.0	6
117	Little impact of overwinter parasitism on a free-ranging ungulate in the high Arctic. <i>Functional Ecology</i> , 2018, 32, 1046-1056.	3.6	5
118	Selection on phenotype. , 2003, , 190-216.		4
119	Fat storage influences fasting endurance more than body size in an ungulate. <i>Functional Ecology</i> , 2021, 35, 1470-1480.	3.6	4
120	Context dependent fitness costs of reproduction despite stable body mass costs in an Arctic herbivore. <i>Journal of Animal Ecology</i> , 2021, , .	2.8	4
121	Harvesting can stabilise population fluctuations and buffer the impacts of extreme climatic events. <i>Ecology Letters</i> , 2022, 25, 863-875.	6.4	3
122	Control of fertility in red deer. <i>Nature</i> , 1984, 307, 296-296.	27.8	1
123	Biased estimation of trends in cohort effects: the problems with age-period-cohort models in ecology. <i>Ecology</i> , 2018, 99, 2675-2680.	3.2	1
124	Manipulating parasites in an Arctic herbivore: gastrointestinal nematodes and the population regulation of Svalbard reindeer. , 2019, , 397-426.		1