

Susan C Alberts

List of Publications by Year in descending order

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132
papers

12,659
citations

25034

57
h-index

29157

104
g-index

161
all docs

161
docs citations

161
times ranked

8969
citing authors

#	ARTICLE	IF	CITATIONS
1	Social Bonds of Female Baboons Enhance Infant Survival. <i>Science</i> , 2003, 302, 1231-1234.	12.6	943
2	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , 2018, 359, 466-469.	12.6	783
3	Social networks predict gut microbiome composition in wild baboons. <i>ELife</i> , 2015, 4, .	6.0	403
4	Social determinants of health and survival in humans and other animals. <i>Science</i> , 2020, 368, .	12.6	369
5	Social relationships among adult female baboons (<i>papio cynocephalus</i>) I. Variation in the strength of social bonds. <i>Behavioral Ecology and Sociobiology</i> , 2006, 61, 183-195.	1.4	364
6	True paternal care in a multi-male primate society. <i>Nature</i> , 2003, 425, 179-181.	27.8	337
7	Growth rates in a wild primate population: ecological influences and maternal effects. <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 490-501.	1.4	326
8	Balancing Costs and Opportunities: Dispersal in Male Baboons. <i>American Naturalist</i> , 1995, 145, 279-306.	2.1	309
9	The ties that bind: genetic relatedness predicts the fission and fusion of social groups in wild African elephants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 513-522.	2.6	296
10	Queuing and queue-jumping: long-term patterns of reproductive skew in male savannah baboons, <i>Papio cynocephalus</i> . <i>Animal Behaviour</i> , 2003, 65, 821-840.	1.9	290
11	Social relationships among adult female baboons (<i>Papio cynocephalus</i>) II. Variation in the quality and stability of social bonds. <i>Behavioral Ecology and Sociobiology</i> , 2006, 61, 197-204.	1.4	286
12	Life at the Top: Rank and Stress in Wild Male Baboons. <i>Science</i> , 2011, 333, 357-360.	12.6	275
13	Sexual selection in wild baboons: from mating opportunities to paternity success. <i>Animal Behaviour</i> , 2006, 72, 1177-1196.	1.9	220
14	Social affiliation matters: both same-sex and opposite-sex relationships predict survival in wild female baboons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141261.	2.6	213
15	Variability in reproductive success viewed from a life-history perspective in baboons. <i>American Journal of Human Biology</i> , 2003, 15, 401-409.	1.6	204
16	Aging in the Natural World: Comparative Data Reveal Similar Mortality Patterns Across Primates. <i>Science</i> , 2011, 331, 1325-1328.	12.6	204
17	Mate guarding constrains foraging activity of male baboons. <i>Animal Behaviour</i> , 1996, 51, 1269-1277.	1.9	192
18	The aging baboon: Comparative demography in a non-human primate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9591-9595.	7.1	181

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19	Dominance rank relationships among wild female African elephants, <i>Loxodonta africana</i> . <i>Animal Behaviour</i> , 2006, 71, 117-127.	1.9	179
20	Role of grooming in reducing tick load in wild baboons (<i>Papio cynocephalus</i>). <i>Animal Behaviour</i> , 2013, 85, 559-568.	1.9	147
21	Mechanisms of sexual selection: Sexual swellings and estrogen concentrations as fertility indicators and cues for male consort decisions in wild baboons. <i>Hormones and Behavior</i> , 2007, 51, 114-125.	2.1	141
22	Cumulative early life adversity predicts longevity in wild baboons. <i>Nature Communications</i> , 2016, 7, 11181.	12.8	137
23	Social status predicts wound healing in wild baboons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9017-9022.	7.1	136
24	Immigration and hybridization patterns of yellow and anubis baboons in and around Amboseli, Kenya. <i>American Journal of Primatology</i> , 2001, 53, 139-154.	1.7	134
25	A comprehensive analysis of autocorrelation and bias in home range estimation. <i>Ecological Monographs</i> , 2019, 89, e01344.	5.4	127
26	Gut microbiome heritability is nearly universal but environmentally contingent. <i>Science</i> , 2021, 373, 181-186.	12.6	126
27	Reproductive aging patterns in primates reveal that humans are distinct. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13440-13445.	7.1	125
28	Seasonality and long-term change in a savanna environment. , 2005, , 157-196.		121
29	The emergence of longevous populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7681-E7690.	7.1	119
30	Optimal group size in a highly social mammal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14882-14887.	7.1	118
31	The Primate Life History Database: a unique shared ecological data resource. <i>Methods in Ecology and Evolution</i> , 2010, 1, 199-211.	5.2	109
32	Microbial nitrogen limitation in the mammalian large intestine. <i>Nature Microbiology</i> , 2018, 3, 1441-1450.	13.3	107
33	“Friendships” between new mothers and adult males: adaptive benefits and determinants in wild baboons (<i>Papio cynocephalus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1331-1344.	1.4	106
34	Age, musth and paternity success in wild male African elephants, <i>Loxodonta africana</i> . <i>Animal Behaviour</i> , 2007, 74, 287-296.	1.9	105
35	Coping with a challenging environment: Effects of seasonal variability and reproductive status on glucocorticoid concentrations of female baboons (<i>Papio cynocephalus</i>). <i>Hormones and Behavior</i> , 2008, 54, 410-416.	2.1	102
36	The ecology of conception and pregnancy failure in wild baboons. <i>Behavioral Ecology</i> , 2006, 17, 741-750.	2.2	100

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37	The genetic architecture of gene expression levels in wild baboons. <i>ELife</i> , 2015, 4, .	6.0	99
38	Social influences on survival and reproduction: Insights from a long-term study of wild baboons. <i>Journal of Animal Ecology</i> , 2019, 88, 47-66.	2.8	97
39	Preparation and activation: determinants of age at reproductive maturity in male baboons. <i>Behavioral Ecology and Sociobiology</i> , 1995, 36, 397-406.	1.4	93
40	Low Demographic Variability in Wild Primate Populations: Fitness Impacts of Variation, Covariation, and Serial Correlation in Vital Rates. <i>American Naturalist</i> , 2011, 177, E14-E28.	2.1	91
41	The endocrinology of pregnancy and fetal loss in wild baboons. <i>Hormones and Behavior</i> , 2006, 49, 688-699.	2.1	85
42	Life history context of reproductive aging in a wild primate model. <i>Annals of the New York Academy of Sciences</i> , 2010, 1204, 127-138.	3.8	85
43	Resource base influences genome-wide DNA methylation levels in wild baboons (<i>Papio</i>) Tj ETQq1 1.0.784314 rgBT / Dv	3.9	84
44	Genes, geology and germs: gut microbiota across a primate hybrid zone are explained by site soil properties, not host species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190431.	2.6	82
45	Gastrointestinal Parasites in Free-Ranging Kenyan Baboons (<i>Papio cynocephalus</i> and <i>P. anubis</i>). <i>International Journal of Primatology</i> , 2003, 24, 271-279.	1.9	80
46	Behavioural inbreeding avoidance in wild African elephants. <i>Molecular Ecology</i> , 2007, 16, 4138-4148.	3.9	80
47	Testosterone related to age and life-history stages in male baboons and geladas. <i>Hormones and Behavior</i> , 2009, 56, 472-480.	2.1	79
48	Developmental plasticity. <i>Evolution, Medicine and Public Health</i> , 2017, 2017, 162-175.	2.5	78
49	Locus effects and sources of error in noninvasive genotyping. <i>Molecular Ecology Notes</i> , 2005, 5, 680-683.	1.7	76
50	Efficient Genome-Wide Sequencing and Low-Coverage Pedigree Analysis from Noninvasively Collected Samples. <i>Genetics</i> , 2016, 203, 699-714.	2.9	76
51	Developmental Constraints in a Wild Primate. <i>American Naturalist</i> , 2015, 185, 809-821.	2.1	75
52	Persistence of maternal effects in baboons: Mother's dominance rank at son's conception predicts stress hormone levels in subadult males. <i>Hormones and Behavior</i> , 2008, 54, 319-324.	2.1	74
53	Evolutionary genetics in wild primates: combining genetic approaches with field studies of natural populations. <i>Trends in Genetics</i> , 2010, 26, 353-362.	6.7	74
54	The Amboseli Baboon Research Project: 40 Years of Continuity and Change. , 2012, , 261-287.		74

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55	Genomewide ancestry and divergence patterns from low-coverage sequencing data reveal a complex history of admixture in wild baboons. <i>Molecular Ecology</i> , 2016, 25, 3469-3483.	3.9	73
56	Intergroup conflict: ecological predictors of winning and consequences of defeat in a wild primate population. <i>Animal Behaviour</i> , 2012, 84, 399-403.	1.9	72
57	Self-organizing dominance hierarchies in a wild primate population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151512.	2.6	72
58	Group Living and Male Dispersal Predict the Core Gut Microbiome in Wild Baboons. <i>Integrative and Comparative Biology</i> , 2017, 57, 770-785.	2.0	69
59	Genetic variance in fitness indicates rapid contemporary adaptive evolution in wild animals. <i>Science</i> , 2022, 376, 1012-1016.	12.6	69
60	Evolution of a malaria resistance gene in wild primates. <i>Nature</i> , 2009, 460, 388-391.	27.8	66
61	Female and male life tables for seven wild primate species. <i>Scientific Data</i> , 2016, 3, 160006.	5.3	66
62	Divided destinies: group choice by female savannah baboons during social group fission. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1823-1837.	1.4	65
63	Complex sources of variance in female dominance rank in a nepotistic society. <i>Animal Behaviour</i> , 2014, 94, 87-99.	1.9	65
64	Late pregnancy glucocorticoid levels predict responsiveness in wild baboon mothers (Papio Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.9	61
65	Development, diet and dynamism: longitudinal and cross-sectional predictors of gut microbial communities in wild baboons. <i>Environmental Microbiology</i> , 2016, 18, 1312-1325.	3.8	61
66	Does climate variability influence the demography of wild primates? Evidence from long-term life-history data in seven species. <i>Global Change Biology</i> , 2017, 23, 4907-4921.	9.5	61
67	Endocrinology of year-round reproduction in a highly seasonal habitat: Environmental variability in testosterone and glucocorticoids in baboon males. <i>American Journal of Physical Anthropology</i> , 2011, 144, 169-176.	2.1	60
68	Costs of reproduction in a long-lived female primate: injury risk and wound healing. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1183-1193.	1.4	60
69	Interbirth intervals in wild baboons: Environmental predictors and hormonal correlates. <i>American Journal of Physical Anthropology</i> , 2018, 166, 107-126.	2.1	60
70	Fine-scale population genetic structure in a fission-fusion society. <i>Molecular Ecology</i> , 2008, 17, 2666-2679.	3.9	59
71	Stability of partner choice among female baboons. <i>Animal Behaviour</i> , 2012, 83, 1511-1518.	1.9	59
72	High social status males experience accelerated epigenetic aging in wild baboons. <i>ELife</i> , 2021, 10, .	6.0	59

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73	Life-history correlates of steroid concentrations in wild peripartum baboons. <i>American Journal of Primatology</i> , 2004, 64, 95-106.	1.7	57
74	Puberty and dispersal in a wild primate population. <i>Hormones and Behavior</i> , 2013, 64, 240-249.	2.1	56
75	Dominance rank-associated gene expression is widespread, sex-specific, and a precursor to high social status in wild male baboons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12163-E12171.	7.1	53
76	Intergenerational effects of early adversity on survival in wild baboons. <i>ELife</i> , 2019, 8, .	6.0	53
77	The diversity of population responses to environmental change. <i>Ecology Letters</i> , 2019, 22, 342-353.	6.4	52
78	Sex differences in the motherâ€™neonate relationship in wild baboons: social, experiential and hormonal correlates. <i>Animal Behaviour</i> , 2012, 83, 891-903.	1.9	51
79	Effects of body size on estimation of mammalian area requirements. <i>Conservation Biology</i> , 2020, 34, 1017-1028.	4.7	51
80	Social bonds, social status and survival in wild baboons: a tale of two sexes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190621.	4.0	50
81	Coming of age: steroid hormones of wild immature baboons (<i>Papio cynocephalus</i>). <i>American Journal of Primatology</i> , 2005, 67, 83-100.	1.7	47
82	Insights into the evolution of social systems and species from baboon studies. <i>ELife</i> , 2019, 8, .	6.0	47
83	Age and individual foraging behavior predict tooth wear in Amboseli baboons. <i>American Journal of Physical Anthropology</i> , 2011, 144, 51-59.	2.1	42
84	Ovarian cycling and reproductive state shape the vaginal microbiota in wild baboons. <i>Microbiome</i> , 2017, 5, 8.	11.1	41
85	Social bonds do not mediate the relationship between early adversity and adult glucocorticoids in wild baboons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20052-20062.	7.1	41
86	The long lives of primates and the â€™invariant rate of ageingâ€™ hypothesis. <i>Nature Communications</i> , 2021, 12, 3666.	12.8	40
87	When good neighbors don't need fences: temporal landscape partitioning among baboon social groups. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 875-884.	1.4	37
88	Testosterone positively associated with both male mating effort and paternal behavior in savanna baboons (<i>Papio cynocephalus</i>). <i>Hormones and Behavior</i> , 2013, 63, 430-436.	2.1	37
89	Conditional fetal and infant killing by male baboons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162561.	2.6	36
90	Accelerated reproduction is not an adaptive response to early-life adversity in wild baboons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24909-24919.	7.1	35

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91	Glucocorticoid exposure predicts survival in female baboons. <i>Science Advances</i> , 2021, 7, .	10.3	35
92	Maternal death and offspring fitness in multiple wild primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	35
93	Using molecular and observational techniques to estimate the number and raiding patterns of crop-raiding elephants. <i>Journal of Applied Ecology</i> , 2011, 48, 788-796.	4.0	34
94	Genetic Effects on Mating Success and Partner Choice in a Social Mammal. <i>American Naturalist</i> , 2012, 180, 113-129.	2.1	31
95	Lifetime Fitness in Wild Female Baboons: Trade-Offs and Individual Heterogeneity in Quality. <i>American Naturalist</i> , 2019, 194, 745-759.	2.1	31
96	Knockouts of high-ranking males have limited impact on baboon social networks. <i>Environmental Epigenetics</i> , 2015, 61, 107-113.	1.8	30
97	Measures of dung bolus size for known-age African elephants (<i>Loxodonta africana</i>): implications for age estimation. <i>Journal of Zoology</i> , 2005, 266, 89-94.	1.7	29
98	Paternal care and the evolution of exaggerated sexual swellings in primates. <i>Behavioral Ecology</i> , 2012, 23, 699-706.	2.2	29
99	Sources of variance in a female fertility signal: exaggerated estrous swellings in a natural population of baboons. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1109-1122.	1.4	28
100	Costs and drivers of helminth parasite infection in wild female baboons. <i>Journal of Animal Ecology</i> , 2019, 88, 1029-1043.	2.8	28
101	Social environment influences the relationship between genotype and gene expression in wild baboons. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120345.	4.0	25
102	Haven for the night: sleeping site selection in a wild primate. <i>Behavioral Ecology</i> , 2016, 27, 29-35.	2.2	24
103	Estimation of energetic condition in wild baboons using fecal thyroid hormone determination. <i>General and Comparative Endocrinology</i> , 2018, 260, 9-17.	1.8	24
104	A comparison of dominance rank metrics reveals multiple competitive landscapes in an animal society. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201013.	2.6	24
105	Higher dominance rank is associated with lower glucocorticoids in wild female baboons: A rank metric comparison. <i>Hormones and Behavior</i> , 2020, 125, 104826.	2.1	24
106	Male-mediated prenatal loss: Functions and mechanisms. <i>Evolutionary Anthropology</i> , 2019, 28, 114-125.	3.4	20
107	Female reproductive aging in seven primate species: Patterns and consequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2117669119.	7.1	20
108	Measuring fecal testosterone in females and fecal estrogens in males: Comparison of RIA and LC/MS/MS methods for wild baboons (<i>Papio cynocephalus</i>). <i>General and Comparative Endocrinology</i> , 2014, 204, 141-149.	1.8	19

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109	Exaggerated sexual swellings and male mate choice in primates: testing the reliable indicator hypothesis in the Amboseli baboons. <i>Animal Behaviour</i> , 2015, 104, 175-185.	1.9	18
110	Distinct gene regulatory signatures of dominance rank and social bond strength in wild baboons. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200441.	4.0	18
111	Synchrony and idiosyncrasy in the gut microbiome of wild baboons. <i>Nature Ecology and Evolution</i> , 2022, 6, 955-964.	7.8	18
112	Canine Length in Wild Male Baboons: Maturation, Aging and Social Dominance Rank. <i>PLoS ONE</i> , 2015, 10, e0126415.	2.5	17
113	Social network dynamics: the importance of distinguishing between heterogeneous and homogeneous changes. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 2059-2069.	1.4	16
114	Preparation and activation: determinants of age at reproductive maturity in male baboons. <i>Behavioral Ecology and Sociobiology</i> , 1995, 36, 397-406.	1.4	15
115	Multi-scale predictors of parasite risk in wild male savanna baboons (<i>Papio cynocephalus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	12
116	Causal mediation analysis for sparse and irregular longitudinal data. <i>Annals of Applied Statistics</i> , 2021, 15, .	1.1	12
117	Mechanisms of inbreeding avoidance in a wild primate. <i>Current Biology</i> , 2022, 32, 1607-1615.e4.	3.9	12
118	Tooth Size Variation Related to Age in Amboseli Baboons. <i>Folia Primatologica</i> , 2011, 81, 348-359.	0.7	11
119	Genetic ancestry predicts male-female affiliation in a natural baboon hybrid zone. <i>Animal Behaviour</i> , 2021, 180, 249-268.	1.9	11
120	Climate and Land Cover Analysis Suggest No Strong Ecological Barriers to Gene Flow in a Natural Baboon Hybrid Zone. <i>International Journal of Primatology</i> , 2019, 40, 53-70.	1.9	10
121	Changes in Gene Expression Associated with Reproductive Maturation in Wild Female Baboons. <i>Genome Biology and Evolution</i> , 2012, 4, 102-109.	2.5	9
122	Automated, high-throughput image calibration for parallel-laser photogrammetry. <i>Mammalian Biology</i> , 2022, 102, 615-627.	1.5	8
123	Hormonal correlates of natal dispersal and rank attainment in wild male baboons. <i>Hormones and Behavior</i> , 2017, 94, 153-161.	2.1	7
124	Developmental plasticity research in evolution and human health. <i>Evolution, Medicine and Public Health</i> , 2017, 2017, 201-205.	2.5	7
125	Noninvasive measurement of mucosal immunity in a free-ranging baboon population. <i>American Journal of Primatology</i> , 2020, 82, e23093.	1.7	7
126	Thirteen Mhc-DQA1 alleles from two populations of baboons. <i>Immunogenetics</i> , 1999, 49, 825-827.	2.4	6

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127	Primate life-history databank: Setting the agenda. <i>Evolutionary Anthropology</i> , 2006, 15, 44-46.	3.4	5
128	Primateology: "A Faithful Friend Is the Medicine of Life" <i>Current Biology</i> , 2010, 20, R632-R634.	3.9	4
129	The contributions of Jeanne Altmann. <i>Evolutionary Anthropology</i> , 2013, 22, 198-199.	3.4	3
130	The Bruce effect should be defined by function, not mechanism: comments on "How to escape male infanticide: mechanisms for avoiding or terminating pregnancy in mammals". <i>Mammal Review</i> , 2021, 51, 596-599.	4.8	2
131	A Causal Mediation Model for Longitudinal Mediators and Survival Outcomes with an Application to Animal Behavior. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2023, 28, 197-218.	1.4	2
132	Better baboon break-ups: collective decision theory of complex social network fissions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212060.	2.6	1