

# Charles L Nunn

## List of Publications by Year in descending order

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Version: 2024-02-01

133  
papers

9,438  
citations

57758

44  
h-index

48315

88  
g-index

143  
all docs

143  
docs citations

143  
times ranked

8302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Primate malarias as a model for cross-species parasite transmission. <i>ELife</i> , 2022, 11, .	6.0	5
2	Comparing transmission potential networks based on social network surveys, close contacts and environmental overlap in rural Madagascar. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210690.	3.4	7
3	Gibbon sleep quantified: the influence of lunar phase and meteorological variables on activity in <i>Hylobates moloch</i> and <i>Hylobates pileatus</i> . <i>Primates</i> , 2021, 62, 749-759.	1.1	5
4	Food insecurity related to agricultural practices and household characteristics in rural communities of northeast Madagascar. <i>Food Security</i> , 2021, 13, 1393-1405.	5.3	17
5	Effects of host extinction and vector preferences on vector-borne disease risk in phylogenetically structured host-vektor communities. <i>PLoS ONE</i> , 2021, 16, e0256456.	2.5	2
6	Predictions of primate parasite coextinction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200355.	4.0	13
7	Epidemiological transitions in human evolution and the richness of viruses, helminths, and protozoa. <i>Evolution, Medicine and Public Health</i> , 2021, 9, 139-148.	2.5	6
8	One health disparities and COVID-19. <i>Evolution, Medicine and Public Health</i> , 2021, 9, 70-77.	2.5	13
9	Enriched sleep environments lengthen lemur sleep duration. <i>PLoS ONE</i> , 2021, 16, e0253251.	2.5	6
10	Metabarcoding of eukaryotic parasite communities describes diverse parasite assemblages spanning the primate phylogeny. <i>Molecular Ecology Resources</i> , 2020, 20, 204-215.	4.8	18
11	Effect of urban habitat use on parasitism in mammals: a meta-analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200397.	2.6	32
12	A comparison of diversity estimators applied to a database of host-parasite associations. <i>Ecography</i> , 2020, 43, 1316-1328.	4.5	10
13	Temporal patterns of waterhole use as a predator avoidance strategy. <i>Journal of Mammalogy</i> , 2020, 101, 574-581.	1.3	7
14	Water Availability Impacts Habitat Use by Red-Fronted Lemurs ( <i>Eulemur rufifrons</i> ): An Experimental and Observational Study. <i>International Journal of Primatology</i> , 2020, 41, 61-80.	1.9	7
15	Effects of land use, habitat characteristics, and small mammal community composition on <i>Leptospira</i> prevalence in northeast Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008946.	3.0	8
16	Host traits associated with species roles in parasite sharing networks. <i>Oikos</i> , 2019, 128, 23-32.	2.7	46
17	Behavioural ecology and infectious disease: implications for conservation of biodiversity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180054.	4.0	31
18	The changing ecology of primate parasites: Insights from wild-captive comparisons. <i>American Journal of Primatology</i> , 2019, 81, e22991.	1.7	8

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19	Eulerian videography technology improves classification of sleep architecture in primates. <i>Primates</i> , 2019, 60, 467-475.	1.1	5
20	Evolutionary dynamics of sexual size dimorphism in non-volant mammals following their independent colonization of Madagascar. <i>Scientific Reports</i> , 2019, 9, 1454.	3.3	11
21	Sleep influences cognitive performance in lemurs. <i>Animal Cognition</i> , 2019, 22, 697-706.	1.8	14
22	Speeding in the slow lane: Phylogenetic comparative analyses reveal that not all human life history traits are exceptional. <i>Journal of Human Evolution</i> , 2019, 130, 36-44.	2.6	9
23	Fecal contamination, parasite risk, and waterhole use by wild animals in a dry deciduous forest. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	20
24	Chimpanzee ( <i>Pan troglodytes schweinfurthii</i> ) Group Sleep and Pathogen-Vector Avoidance: Experimental Support for the Encounter-Dilution Effect. <i>International Journal of Primatology</i> , 2019, 40, 647-659.	1.9	9
25	Quantitative uniqueness of human brain evolution revealed through phylogenetic comparative analysis. <i>ELife</i> , 2019, 8, .	6.0	44
26	Characterizing the phylogenetic specialism–generalism spectrum of mammal parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172613.	2.6	44
27	Sleep in a comparative context: Investigating how human sleep differs from sleep in other primates. <i>American Journal of Physical Anthropology</i> , 2018, 166, 601-612.	2.1	41
28	Does the moon influence sleep in small-scale societies?. <i>Sleep Health</i> , 2018, 4, 509-514.	2.5	17
29	The 1918 influenza pandemic: Ecological, historical, and evolutionary perspectives. <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 199-200.	2.5	1
30	Sexual dimorphism in immunity across animals: a meta-analysis. <i>Ecology Letters</i> , 2018, 21, 1885-1894.	6.4	91
31	Network size, structure, and pathogen transmission: a simulation study comparing different community detection algorithms. <i>Behaviour</i> , 2018, 155, 639-670.	0.8	9
32	Antibacterial soap use impacts skin microbial communities in rural Madagascar. <i>PLoS ONE</i> , 2018, 13, e0199899.	2.5	13
33	Estimating infection prevalence: Best practices and their theoretical underpinnings. <i>Ecology and Evolution</i> , 2018, 8, 6738-6747.	1.9	7
34	Effective Network Size Predicted From Simulations of Pathogen Outbreaks Through Social Networks Provides a Novel Measure of Structure-Standardized Group Size. <i>Frontiers in Veterinary Science</i> , 2018, 5, 71.	2.2	13
35	The cost of deep sleep: Environmental influences on sleep regulation are greater for diurnal lemurs. <i>American Journal of Physical Anthropology</i> , 2018, 166, 578-589.	2.1	14
36	Hadza sleep biology: Evidence for flexible sleep–wake patterns in hunter–gatherers. <i>American Journal of Physical Anthropology</i> , 2017, 162, 573-582.	2.1	75

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37	Global Mammal Parasite Database version 2.0. <i>Ecology</i> , 2017, 98, 1476-1476.	3.2	98
38	Activity patterns in seven captive lemur species: Evidence of cathemerality in <i>Varecia</i> and <i>Lemur catta</i> ?. <i>American Journal of Primatology</i> , 2017, 79, e22648.	1.7	13
39	Segmented sleep in a nonelectric, small-scale agricultural society in Madagascar. <i>American Journal of Human Biology</i> , 2017, 29, e22979.	1.6	43
40	Does selection for short sleep duration explain human vulnerability to Alzheimer's disease?. <i>Evolution, Medicine and Public Health</i> , 2017, 2017, 39-46.	2.5	13
41	Interacting effects of land use and climate on rodent-borne pathogens in central Kenya. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160116.	4.0	39
42	Conservation, biodiversity and infectious disease: scientific evidence and policy implications. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160124.	4.0	29
43	Dynamic vs. static social networks in models of parasite transmission: predicting <i>Cryptosporidium</i> spread in wild lemurs. <i>Journal of Animal Ecology</i> , 2017, 86, 419-433.	2.8	27
44	Estimating parasite host range. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171250.	2.6	29
45	Chronotype variation drives night-time sentinel-like behaviour in hunter-gatherers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170967.	2.6	45
46	Introduced Species, Disease Ecology, and Biodiversity-Disease Relationships. <i>Trends in Ecology and Evolution</i> , 2017, 32, 41-54.	8.7	135
47	The Global Synanthrome Project: A Call for an Exhaustive Study of Human Associates. <i>Trends in Parasitology</i> , 2017, 33, 4-7.	3.3	6
48	Environmental influences on the skin microbiome of humans and cattle in rural Madagascar. <i>Evolution, Medicine and Public Health</i> , 2017, 2017, 144-153.	2.5	17
49	Water choice as a counterstrategy to faecally transmitted disease: an experimental study in captive lemurs. <i>Behaviour</i> , 2017, 154, 1239-1258.	0.8	9
50	Identifying wildlife reservoirs of neglected taeniid tapeworms: Non-invasive diagnosis of endemic <i>Taenia serialis</i> infection in a wild primate population. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005709.	3.0	12
51	Assessing sources of error in comparative analyses of primate behavior: Intraspecific variation in group size and the social brain hypothesis. <i>Journal of Human Evolution</i> , 2016, 94, 126-133.	2.6	30
52	What is segmented sleep? Actigraphy field validation for daytime sleep and nighttime wake. <i>Sleep Health</i> , 2016, 2, 341-347.	2.5	20
53	Evolutionary change in physiological phenotypes along the human lineage. <i>Evolution, Medicine and Public Health</i> , 2016, 2016, 312-324.	2.5	9
54	The macroecology of infectious diseases: a new perspective on global-scale drivers of pathogen distributions and impacts. <i>Ecology Letters</i> , 2016, 19, 1159-1171.	6.4	126

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55	Shining evolutionary light on human sleep and sleep disorders. <i>Evolution, Medicine and Public Health</i> , 2016, 2016, 227-243.	2.5	78
56	Large wildlife removal drives immune defence increases in rodents. <i>Functional Ecology</i> , 2016, 30, 799-807.	3.6	13
57	Sleep intensity and the evolution of human cognition. <i>Evolutionary Anthropology</i> , 2015, 24, 225-237.	3.4	95
58	Investigating evolutionary lag using the species-pairs evolutionary lag test (SPELT). <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 245-253.	2.3	6
59	Connecting evolution, medicine, and public health. <i>Evolutionary Anthropology</i> , 2015, 24, 127-129.	3.4	2
60	Microparasites and Placental Invasiveness in Eutherian Mammals. <i>PLoS ONE</i> , 2015, 10, e0132563.	2.5	12
61	Infectious disease and group size: more than just a numbers game. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140111.	4.0	130
62	The socialityâ€“healthâ€“fitness nexus: synthesis, conclusions and future directions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140115.	4.0	41
63	Sociality and health: impacts of sociality on disease susceptibility and transmission in animal and human societies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140116.	4.0	169
64	Infectious disease, behavioural flexibility and the evolution of culture in primates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20140862.	2.6	34
65	Potential Parasite Transmission in Multi-Host Networks Based on Parasite Sharing. <i>PLoS ONE</i> , 2015, 10, e0117909.	2.5	62
66	Interactions between Micro- and Macroparasites Predict Microparasite Species Richness across Primates. <i>American Naturalist</i> , 2014, 183, 494-505.	2.1	12
67	Mating Competition, Promiscuity, and Life History Traits as Predictors of Sexually Transmitted Disease Risk in Primates. <i>International Journal of Primatology</i> , 2014, 35, 764-786.	1.9	17
68	Shared resources and disease dynamics in spatially structured populations. <i>Ecological Modelling</i> , 2014, 272, 198-207.	2.5	33
69	Phylogenetic Prediction to Identify â€œEvolutionary Singularitiesâ€”, 2014, , 481-514.		20
70	The evolution of self-control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2140-8.	7.1	602
71	Does habitat disturbance increase infectious disease risk for primates?. <i>Ecology Letters</i> , 2013, 16, 656-663.	6.4	78
72	Cultural inheritance or cultural diffusion of religious violence? A quantitative case study of the Radical Reformation. <i>Religion, Brain and Behavior</i> , 2013, 3, 3-15.	0.7	30

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73	Centrality in primate parasite networks reveals the potential for the transmission of emerging infectious diseases to humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7738-7741.	7.1	109
74	Identifying future zoonotic disease threats. <i>Evolution, Medicine and Public Health</i> , 2013, 2013, 27-36.	2.5	34
75	Phylogenetic host specificity and understanding parasite sharing in primates. <i>Ecology Letters</i> , 2012, 15, 1370-1377.	6.4	131
76	Pathogen Flow: What We Need to Know. <i>American Journal of Primatology</i> , 2012, 74, 1084-1087.	1.7	3
77	Informatics approaches to develop dynamic meta-analyses. <i>Evolutionary Ecology</i> , 2012, 26, 1275-1276.	1.2	5
78	Host Longevity and Parasite Species Richness in Mammals. <i>PLoS ONE</i> , 2012, 7, e42190.	2.5	61
79	Do Animals Living in Larger Groups Experience Greater Parasitism? A Meta-Analysis. <i>American Naturalist</i> , 2012, 180, 70-82.	2.1	176
80	Primate Disease Ecology in Comparative and Theoretical Perspective. <i>American Journal of Primatology</i> , 2012, 74, 497-509.	1.7	44
81	Community structure and the spread of infectious disease in primate social networks. <i>Evolutionary Ecology</i> , 2012, 26, 779-800.	1.2	154
82	Innovative Approaches to the Relationship Between Diet and Mandibular Morphology in Primates. <i>International Journal of Primatology</i> , 2012, 33, 632-660.	1.9	104
83	MUTUALISM OR PARASITISM? USING A PHYLOGENETIC APPROACH TO CHARACTERIZE THE OXPECKER&UINGULATE RELATIONSHIP. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1297-1304.	2.3	25
84	Phylogenetic rate shifts in feeding time during the evolution of <i>Homo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14555-14559.	7.1	144
85	The Spread of Fecally Transmitted Parasites in Socially-Structured Populations. <i>PLoS ONE</i> , 2011, 6, e21677.	2.5	80
86	The 10kTrees website: A new online resource for primate phylogeny. <i>Evolutionary Anthropology</i> , 2010, 19, 114-118.	3.4	555
87	Simulating trait evolution for cross-cultural comparison. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3807-3819.	4.0	55
88	Parasite resistance and the adaptive significance of sleep. <i>BMC Evolutionary Biology</i> , 2009, 9, 7.	3.2	108
89	Do transmission mechanisms or social systems drive cultural dynamics in socially structured populations?. <i>Animal Behaviour</i> , 2009, 77, 1515-1524.	1.9	44
90	On sexual dimorphism in immune function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 61-69.	4.0	289

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91	Does Sleep Play a Role in Memory Consolidation? A Comparative Test. PLoS ONE, 2009, 4, e4609.	2.5	44
92	Emerging infectious diseases and animal social systems. Evolutionary Ecology, 2008, 22, 519-543.	1.2	54
93	PHYLOGENETIC ANALYSIS OF THE ECOLOGY AND EVOLUTION OF MAMMALIAN SLEEP. Evolution; International Journal of Organic Evolution, 2008, 62, 1764-1776.	2.3	149
94	Female reproductive synchrony predicts skewed paternity across primates. Behavioral Ecology, 2008, 19, 1150-1158.	2.2	129
95	The Phylogeny of Sleep Database: A New Resource for Sleep Scientists. The Open Sleep Journal, 2007, 1, 11-14.	0.4	36
96	Parasite species richness in carnivores: effects of host body mass, latitude, geographical range and population density. Global Ecology and Biogeography, 2007, 16, 496-509.	5.8	178
97	Do threatened hosts have fewer parasites? A comparative study in primates. Journal of Animal Ecology, 2007, 76, 304-314.	2.8	112
98	Infectious Diseases and Extinction Risk in Wild Mammals. Conservation Biology, 2007, 21, 1269-1279.	4.7	258
99	A global gap analysis of infectious agents in wild primates. Diversity and Distributions, 2007, 13, 561-572.	4.1	42
100	Ranging patterns and parasitism in primates. Biology Letters, 2006, 2, 351-354.	2.3	72
101	Pathogens as drivers of population declines: The importance of systematic monitoring in great apes and other threatened mammals. Biological Conservation, 2006, 131, 325-337.	4.1	235
102	Comparative tests of reproductive skew in male primates: the roles of demographic factors and incomplete control. Behavioral Ecology and Sociobiology, 2006, 60, 695-706.	1.4	150
103	Latitudinal gradients of parasite species richness in primates. Diversity and Distributions, 2005, 11, 249-256.	4.1	166
104	Patterns of host specificity and transmission among parasites of wild primates. International Journal for Parasitology, 2005, 35, 647-657.	3.1	178
105	The global mammal parasite database: An online resource for infectious disease records in wild primates. Evolutionary Anthropology, 2005, 14, 1-2.	3.4	117
106	Malaria infection and host behavior: a comparative study of Neotropical primates. Behavioral Ecology and Sociobiology, 2005, 59, 30-37.	1.4	71
107	Sexual selection and exaggerated sexual swellings of female primates. , 2004, , 71-89.		79
108	Females drive primate social evolution. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S101-3.	2.6	40

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109	Patterns of participation and free riding in territorial conflicts among ringtailed lemurs (Lemur) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	87
110	Parasites and the Evolutionary Diversification of Primate Clades. American Naturalist, 2004, 164, S90-S103.	2.1	102
111	Sexual selection, behaviour and sexually transmitted diseases. , 2004, , 117-130.		39
112	Behavioural defences against sexually transmitted diseases in primates. Animal Behaviour, 2003, 66, 37-48.	1.9	39
113	Comparative Tests of Parasite Species Richness in Primates. American Naturalist, 2003, 162, 597-614.	2.1	315
114	A comparative study of white blood cell counts and disease risk in carnivores. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 347-356.	2.6	82
115	Social Organization and Parasite Risk in Mammals: Integrating Theory and Empirical Studies. Annual Review of Ecology, Evolution, and Systematics, 2003, 34, 517-547.	8.3	625
116	A Comparative Approach to Reconstructing the Socioecology of Extinct Primates. , 2002, , 159-215.		29
117	A COMPARATIVE STUDY OF LEUKOCYTE COUNTS AND DISEASE RISK IN PRIMATES. Evolution; International Journal of Organic Evolution, 2002, 56, 177-190.	2.3	80
118	A bird's-eye view of the function of sleep. , 2001, , 145-171.		3
119	Ecological constraints on mammalian sleep architecture. , 2001, , 12-33.		5
120	Schooling by continuously active fishes: Clues to sleep's ultimate function. , 2001, , 57-85.		1
121	Evolutionary medicine of sleep disorders: Toward a science of sleep duration. , 2001, , 107-122.		1
122	The evolution of wakefulness: From reptiles to mammals. , 2001, , 172-196.		2
123	The evolution of REM sleep. , 2001, , 197-217.		1
124	Fishing for sleep. , 2001, , 238-266.		1
125	What exactly is it that sleeps? The evolution, regulation, and organization of an emergent network property. , 2001, , 86-106.		0
126	Primate sleep in phylogenetic perspective. , 2001, , 123-144.		11



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127	Sleep in insects. , 2001, , 34-56.		1
128	Toward an understanding of the function of sleep: New insights from mouse genetics. , 2001, , 218-237.		1
129	Social evolution in primates: the relative roles of ecology and intersexual conflict. , 2000, , 388-420.		65
130	How quickly do brains catch up with bodies? A comparative method for detecting evolutionary lag. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 687-694.	2.6	44
131	The number of males in primate social groups: a comparative test of the socioecological model. Behavioral Ecology and Sociobiology, 1999, 46, 1-13.	1.4	179
132	Sex and social evolution in primates. , 1999, , 204-240.		129
133	A simulation test of Smith's "degrees of freedom" correction for comparative studies. American Journal of Physical Anthropology, 1995, 98, 355-367.	2.1	18