Felisa A Smith

List of Publications by Year
in descending order

90	6,062	117453	74018
papers	citations	34 h-index	75 g-index

96	96	96	6924
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ecotypic variation in the context of global climate change: revisiting the rules. Ecology Letters, 2006, 9, 853-869.	3.0	472
2	BODY MASS OF LATE QUATERNARY MAMMALS. Ecology, 2003, 84, 3403-3403.	1.5	393
3	Megafauna and ecosystem function from the Pleistocene to the Anthropocene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 838-846.	3.3	366
4	ENERGY ANDMATERIALFLOWTHROUGH THEURBANECOSYSTEM. Annual Review of Environment and Resources, 2000, 25, 685-740.	1.2	302
5	Pleistocene Rewilding: An Optimistic Agenda for Twentyâ€First Century Conservation. American Naturalist, 2006, 168, 660-681.	1.0	297
6	Re-wilding North America. Nature, 2005, 436, 913-914.	13.7	292
7	Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 24-27.	3.3	260
8	The Evolution of Maximum Body Size of Terrestrial Mammals. Science, 2010, 330, 1216-1219.	6.0	252
9	Behavioral flexibility as a mechanism for coping with climate change. Frontiers in Ecology and the Environment, 2017, 15, 299-308.	1.9	240
10	Evolution of Body Size in the Woodrat over the Past 25,000 Years of Climate Change. Science, 1995, 270, 2012-2014.	6.0	234
11	Thermodynamic and metabolic effects on the scaling of production and population energy use. Ecology Letters, 2003, 6, 990-995.	3.0	215
12	Body size downgrading of mammals over the late Quaternary. Science, 2018, 360, 310-313.	6.0	200
13	Similarity of Mammalian Body Size across the Taxonomic Hierarchy and across Space and Time. American Naturalist, 2004, 163, 672-691.	1.0	173
14	Evidence for mesothermy in dinosaurs. Science, 2014, 344, 1268-1272.	6.0	131
15	The influence of climate change on the body mass of woodrats Neotoma in an arid region of New Mexico, USA. Ecography, 1998, 21, 140-148.	2.1	130
16	How big should a mammal be? A macroecological look at mammalian body size over space and time. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2364-2378.	1.8	113
17	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. Photosynthesis Research, 2011, 107, 37-57.	1.6	107
18	The maximum rate of mammal evolution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4187-4190.	3.3	107

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19	A Model of Dietary Fiber Utilization by Small Mammalian Herbivores, with Empirical Results for Neotoma. American Naturalist, 1992, 139, 398-416.	1.0	83
20	Response of Bushy-Tailed Woodrats (Neotoma cinerea) to Late Quaternary Climatic Change in the Colorado Plateau. Quaternary Research, 1998, 50, 1-11.	1.0	81
21	Impacts of climate change on species, populations and communities: palaeobiogeographical insights and frontiers. Progress in Physical Geography, 2008, 32, 139-172.	1.4	81
22	Metabolic asymmetry and the global diversity of marine predators. Science, 2019, 363, .	6.0	81
23	Trophic rewilding as a climate change mitigation strategy?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170440.	1.8	72
24	Body Size Evolution Across the Geozoic. Annual Review of Earth and Planetary Sciences, 2016, 44, 523-553.	4.6	64
25	The effect of Holocene temperature fluctuations on the evolution and ecology of Neotoma (woodrats) in Idaho and northwestern Utah. Quaternary Research, 2003, 59, 160-171.	1.0	59
26	Megafauna in the Earth system. Ecography, 2016, 39, 99-108.	2.1	57
27	Exploring the influence of ancient and historic megaherbivore extirpations on the global methane budget. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 874-879.	3.3	53
28	Path Analysis: A Critical Evaluation Using Long-Term Experimental Data. American Naturalist, 1997, 149, 29-42.	1.0	50
29	Predicting woodrat (Neotoma) responses to anthropogenic warming from studies of the palaeomidden record. Journal of Biogeography, 2006, 33, 2061-2076.	1.4	50
30	Methane emissions from extinct megafauna. Nature Geoscience, 2010, 3, 374-375.	5.4	49
31	Macroecology: more than the division of food and space among species on continents. Progress in Physical Geography, 2008, 32, 115-138.	1.4	48
32	Patterns of maximum body size evolution in Cenozoic land mammals: eco-evolutionary processes and abiotic forcing. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132049.	1.2	48
33	Evolution of Body Size Among Woodrats from Baja California, Mexico. Functional Ecology, 1992, 6, 265.	1.7	46
34	The fossil record of the sixth extinction. Ecology Letters, 2016, 19, 546-553.	3.0	42
35	Estimating the influence of the thermal environment on activity patterns of the desert woodrat (Neotoma lepida) using temperature chronologies. Canadian Journal of Zoology, 2012, 90, 1171-1180.	0.4	38
36	Was a â€˜hyperdiseaseâ€™ responsible for the late Pleistocene megafaunal extinction?. Ecology Letters, 2004, 7, 859-868.	3.0	35

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37	Scaling of Digestive Efficiency with Body Mass in Neotoma. Functional Ecology, 1995, 9, 299.	1.7	34
38	Hierarchical complexity and the size limits of life. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171039.	1.2	34
39	Unraveling the consequences of the terminal Pleistocene megafauna extinction on mammal community assembly. Ecography, 2016, 39, 223-239.	2.1	33
40	The accelerating influence of humans on mammalian macroecological patterns over the late Quaternary. Quaternary Science Reviews, 2019, 211, 1-16.	1.4	33
41	The influence of juvenile dinosaurs on community structure and diversity. Science, 2021, 371, 941-944.	6.0	33
42	A tale of two species: Extirpation and range expansion during the late Quaternary in an extreme environment. Global and Planetary Change, 2009, 65, 122-133.	1.6	30
43	Mustela or Vison? Evidence for the taxonomic status of the American mink and a distinct biogeographic radiation of American weasels. Molecular Phylogenetics and Evolution, 2009, 52, 632-642.	1.2	29
44	The changing role of mammal life histories in Late Quaternary extinction vulnerability on continents and islands. Biology Letters, 2016, 12, 20160342.	1.0	28
45	Neotoma cinerea. Mammalian Species, 1997, , 1.	0.4	26
46	Effects of allometry, productivity and lifestyle on rates and limits of body size evolution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131007.	1.2	26
47	Life in an extreme environment: a historical perspective on the influence of temperature on the ecology and evolution of woodrats. Journal of Mammalogy, 2014, 95, 1128-1143.	0.6	25
48	A Life-History Approach to the Late Pleistocene Megafaunal Extinction. American Naturalist, 2013, 182, 524-531.	1.0	24
49	The importance of considering animal body mass in <scp>IPCC</scp> greenhouse inventories and the underappreciated role of wild herbivores. Global Change Biology, 2015, 21, 3880-3888.	4.2	20
50	Biotic responses of canids to the terminal Pleistocene megafauna extinction. Ecography, 2016, 39, 141-151.	2.1	19
51	Survey of whole air data from the second airborne Biomass Burning and Lightning Experiment using principal component analysis. Journal of Geophysical Research, 2003, 108, .	3.3	18
52	Body size shifts influence effects of increasing temperatures on ectotherm metabolism. Global Ecology and Biogeography, 2018, 27, 958-967.	2.7	18
53	Constraints on vertebrate range size predict extinction risk. Global Ecology and Biogeography, 2020, 29, 76-86.	2.7	18
54	Megacities and the Environment. Scientific World Journal, The, 2002, 2, 374-386.	0.8	17

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55	Paleoecology in an Era of Climate Change: How the Past Can Provide Insights into the Future. , 2012, , 93-116.		15
56	Anthropogenic Extinction of the Endemic Woodrat, Neotoma bunkeri Burt. Biodiversity Letters, 1993, 1, 149.	0.5	13
57	Spatiotemporal variation of methane and other trace hydrocarbon concentrations in the Valley of Mexico. Environmental Science and Policy, 2002, 5, 449-461.	2.4	13
58	Changes in the diet and body size of a small herbivorous mammal (hispid cotton rat, Sigmodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.1	12
59	Macroecological Patterns of Body Size in Mammals across Time and Space. , 0, , 116-144.		12
60	How isolated are Pleistocene refugia? Results from a study on a relict woodrat population from the Mojave Desert, California. Journal of Biogeography, 2000, 27, 483-500.	1.4	10
61	Macroecological patterns of mammals across taxonomic, spatial, and temporal scales. Journal of Mammalogy, 2019, 100, 1087-1104.	0.6	9
62	The hidden legacy of megafaunal extinction: Loss of functional diversity and resilience over the Late Quaternary at Hallâ€™s Cave. Global Ecology and Biogeography, 2022, 31, 294-307.	2.7	9
63	Using a Macroecological Approach to Study Geographic Range, Abundance and Body Size in the Fossil Record. The Paleontological Society Papers, 2010, 16, 117-141.	0.8	7
64	A Lack of Attribution: Closing the Citation Gap Through a Reform of Citation and Indexing Practices. Taxon, 2012, 61, 1349-1351.	0.4	7
65	Some Like It Hot. Science, 2012, 335, 924-925.	6.0	6
66	The sensitivity of Neotoma to climate change and biodiversity loss over the late Quaternary. Quaternary Research, 2022, 105, 49-63.	1.0	6
67	THE GEOZOIC SUPEREON. Palaios, 2011, 26, 251-255.	0.6	5
68	On Being the Right Size. , 2013, , 1-10.		5
69	The Influence of Flight on Patterns of Body Size Diversity and Heritability. , 0, , 187-205.		5
70	Path Modeling Methods and Ecological Interactions: A Response to Grace and Pugesek. American Naturalist, 1998, 152, 160-161.	1.0	4
71	BIBLE A whole-air sampling as a window on Asian biogeochemistry. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	4
72	Investigating the role of environment in pika (Ochotona) body size patterns across taxonomic levels, space, and time. Journal of Mammalogy, 2020, 101, 804-816.	0.6	4

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73	perspective: Losing time? Incorporating a deeper temporal perspective into modern ecology. Frontiers of Biogeography, 2012, 4, .	0.8	4
74	A Quantitative Analysis of the Contributions of Female Mammalogists from 1919 to 1994. Journal of Mammalogy, 1996, 77, 613.	0.6	3
75	Reply to â€˜Methane and megafaunaâ€™. Nature Geoscience, 2011, 4, 272-272.	5.4	3
76	Response to Comments on â€œEvidence for mesothermy in dinosaursâ€• Science, 2015, 348, 982-982.	6.0	3
77	Investigating (a)symmetry in a small mammal's response to warming and cooling events across western North America over the late Quaternary. Quaternary Research, 2019, 92, 408-415.	1.0	3
78	Diversification within the Mexican Vole (Microtus mexicanus) and the Role of Post-Pleistocene Climate Change. Western North American Naturalist, 2011, 71, 176-194.	0.2	2
79	The relationship between molar morphology and ecology within Neotoma. Journal of Mammalogy, 2020, 101, 1711-1726.	0.6	2
80	The road to a larger brain. Science, 2022, 376, 27-28.	6.0	2
81	Isotopic niche of the American pika (Ochotona princeps) through space and time. Canadian Journal of Zoology, 2020, 98, 515-526.	0.4	1
82	A Framework for Investigating Rules of Life by Establishing Zones of Influence. Integrative and Comparative Biology, 2021, , .	0.9	1
83	The Changing Role of Women in North American Mammalogy. Journal of Mammalogy, 0, , .	0.6	1
84	Holocene Extinctions. Edited by SamuelÂT.ÂTurvey. Oxford and New York: Oxford University Press. $99.00. xii + 352 p.; ill.; index. ISBN: 978â€0â€19â€953509â€5. 2009.. Quarterly Review of Biology, 2010, 85, 500-501.	0.0	0
85	Here Be Biogeographers. BioScience, 2011, 61, 76-77.	2.2	0
86	The pace of mammalian evolution: ecological and morphological responses of mammals to climate change at annual to millennial time scales. Quaternary International, 2012, 279-280, 455.	0.7	0
87	perspective: Losing time? Incorporating a deeper temporal perspective into modern ecology. Frontiers of Biogeography, 2012, 4, .	0.8	0
88	from the society: Robert E. Ricklefs to receive the 2011 Alfred Russel Wallace Award in Crete. Frontiers of Biogeography, 2012, 2, .	0.8	0
89	Using a â€˜Macroscopeâ€™ to Look at Patterns of Mammal Body Size in the Fossil Record. The Paleontological Society Special Publications, 2014, 13, 54-55.	0.0	0
90	Response to Comment on â€œThe influence of juvenile dinosaurs on community structure and diversityâ€• Science, 2022, 375, eabj7383.	6.0	0