Felisa A Smith

List of Publications by Year in Descending Order

85 papers	4,670 citations	33 h-index	68 g-index
96 ext. papers	5,377 ext. citations	9 avg, IF	5.56 L-index

#	Paper	IF	Citations
85	Response to Comment on "The influence of juvenile dinosaurs on community structure and diversity".. *Science*, **2022**, 375, eabj7383	33.3	
84	The road to a larger brain.. *Science*, **2022**, 376, 27-28	33.3	0
83	The influence of juvenile dinosaurs on community structure and diversity. *Science*, **2021**, 371, 941-944	33.3	19
82	A Framework for Investigating Rules of Life by Establishing Zones of Influence. *Integrative and Comparative Biology*, **2021**,	2.8	1
81	The relationship between molar morphology and ecology within Neotoma. *Journal of Mammalogy*, **2020**, 101, 1711-1726	1.8	1
80	Investigating the role of environment in pika (Ochotona) body size patterns across taxonomic levels, space, and time. *Journal of Mammalogy*, **2020**, 101, 804-816	1.8	4
79	Isotopic niche of the American pika (Ochotona princeps) through space and time. *Canadian Journal of Zoology*, **2020**, 98, 515-526	1.5	0
78	Changes in the diet and body size of a small herbivorous mammal (hispid cotton rat, Sigmodon hispidus) following the late Pleistocene megafauna extinction. *Ecography*, **2020**, 43, 604-619	6.5	4
77	Constraints on vertebrate range size predict extinction risk. *Global Ecology and Biogeography*, **2020**, 29, 76-86	6.1	7
76	Metabolic asymmetry and the global diversity of marine predators. *Science*, **2019**, 363,	33.3	55
75	Macroecological patterns of mammals across taxonomic, spatial, and temporal scales. *Journal of Mammalogy*, **2019**, 100, 1087-1104	1.8	6
74	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	1.9	2
73	The accelerating influence of humans on mammalian macroecological patterns over the late Quaternary. *Quaternary Science Reviews*, **2019**, 211, 1-16	3.9	22
72	Body size downgrading of mammals over the late Quaternary. *Science*, **2018**, 360, 310-313	33.3	120
71	Body size shifts influence effects of increasing temperatures on ectotherm metabolism. *Global Ecology and Biogeography*, **2018**, 27, 958-967	6.1	8
70	Trophic rewilding as a climate change mitigation strategy?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	37
69	Hierarchical complexity and the size limits of life. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	22

68	Behavioral flexibility as a mechanism for coping with climate change. *Frontiers in Ecology and the Environment*, **2017**, 15, 299-308	5.5	144
67	The changing role of mammal life histories in Late Quaternary extinction vulnerability on continents and islands. *Biology Letters*, **2016**, 12,	3.6	23
66	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, 838-46	11.5	245
65	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, 874-9	11.5	36
64	The fossil record of the sixth extinction. *Ecology Letters*, **2016**, 19, 546-53	10	30
63	Body Size Evolution Across the Geozoic. *Annual Review of Earth and Planetary Sciences*, **2016**, 44, 523-553	15.3	40
62	Biotic responses of canids to the terminal Pleistocene megafauna extinction. *Ecography*, **2016**, 39, 141-151	6.5	16
61	Unraveling the consequences of the terminal Pleistocene megafauna extinction on mammal community assembly. *Ecography*, **2016**, 39, 223-239	6.5	24
60	Megafauna in the Earth system. *Ecography*, **2016**, 39, 99-108	6.5	37
59	Response to Comments on "Evidence for mesothermy in dinosaurs". *Science*, **2015**, 348, 982	33.3	3
58	The importance of considering animal body mass in IPCC greenhouse inventories and the underappreciated role of wild herbivores. *Global Change Biology*, **2015**, 21, 3880-8	11.4	13
57	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	4.4	30
56	Dinosaur physiology. Evidence for mesothermy in dinosaurs. *Science*, **2014**, 344, 1268-72	33.3	104
55	Using a Macroscope to Look at Patterns of Mammal Body Size in the Fossil Record. *The Paleontological Society Special Publications*, **2014**, 13, 54-55		
54	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	1.8	15
53	Foundations of Macroecology **2014**,		17
52	A life-history approach to the late Pleistocene megafaunal extinction. *American Naturalist*, **2013**, 182, 524-31	3.7	22
51	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	4.4	22

50	Animal Body Size **2013**,		33
49	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	1.5	29
48	Paleoecology in an Era of Climate Change: How the Past Can Provide Insights into the Future **2012**, 93-116		10
47	A Lack of Attribution: Closing the Citation Gap Through a Reform of Citation and Indexing Practices. *Taxon*, **2012**, 61, 1349-1351	0.8	6
46	Evolution. Some like it hot. *Science*, **2012**, 335, 924-5	33.3	6
45	The maximum rate of mammal evolution. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 4187-90	11.5	83
44	perspective: Losing time? Incorporating a deeper temporal perspective into modern ecology. *Frontiers of Biogeography*, **2012**, 4,	2.9	4
43	Diversification within the Mexican Vole (Microtus mexicanus) and the Role of Post-Pleistocene Climate Change. *Western North American Naturalist*, **2011**, 71, 176-194	0.4	1
42	THE GEOZOIC SUPEREON. *Palaios*, **2011**, 26, 251-255	1.6	4
41	Reply to Methane and megafauna *Nature Geoscience*, **2011**, 4, 272-272	18.3	2
40	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. *Photosynthesis Research*, **2011**, 107, 37-57	3.7	88
39	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, 2364-78	5.8	80
38	Methane emissions from extinct megafauna. *Nature Geoscience*, **2010**, 3, 374-375	18.3	44
37	Using a Macroecological Approach to Study Geographic Range, Abundance and Body Size in the Fossil Record. *The Paleontological Society Papers*, **2010**, 16, 117-141		5
36	The evolution of maximum body size of terrestrial mammals. *Science*, **2010**, 330, 1216-9	33.3	200
35	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, 632-42	4.1	21
34	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, 24-7	11.5	192
33	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	4.2	26

32	Macroecology: more than the division of food and space among species on continents. *Progress in Physical Geography*, **2008**, 32, 115-138	3.5	39
31	Impacts of climate change on species, populations and communities: palaeobiogeographical insights and frontiers. *Progress in Physical Geography*, **2008**, 32, 139-172	3.5	64
30	Pleistocene rewilding: an optimistic agenda for twenty-first century conservation. *American Naturalist*, **2006**, 168, 660-81	3.7	236
29	Ecotypic variation in the context of global climate change: revisiting the rules. *Ecology Letters*, **2006**, 9, 853-69	10	401
28	Predicting woodrat (Neotoma) responses to anthropogenic warming from studies of the palaeomidden record. *Journal of Biogeography*, **2006**, 33, 2061-2076	4.1	44
27	Re-wilding North America. *Nature*, **2005**, 436, 913-4	50.4	221
26	Was a hyperdisease responsible for the late Pleistocene megafaunal extinction?. *Ecology Letters*, **2004**, 7, 859-868	10	30
25	Similarity of mammalian body size across the taxonomic hierarchy and across space and time. *American Naturalist*, **2004**, 163, 672-91	3.7	148
24	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	1.9	53
23	Thermodynamic and metabolic effects on the scaling of production and population energy use. *Ecology Letters*, **2003**, 6, 990-995	10	193
22	BODY MASS OF LATE QUATERNARY MAMMALS. *Ecology*, **2003**, 84, 3403-3403	4.6	335
21	BIBLE A whole-air sampling as a window on Asian biogeochemistry. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		4
20	Survey of whole air data from the second airborne Biomass Burning and Lightning Experiment using principal component analysis. *Journal of Geophysical Research*, **2003**, 108,		15
19	Megacities and the environment. *Scientific World Journal, The*, **2002**, 2, 374-86	2.2	11
18	Spatiotemporal variation of methane and other trace hydrocarbon concentrations in the Valley of Mexico. *Environmental Science and Policy*, **2002**, 5, 449-461	6.2	11
17	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	4.1	9
16	ENERGY ANDMATERIALFLOWTHROUGH THEURBANECOSYSTEM. *Annual Review of Environment and Resources*, **2000**, 25, 685-740		255
15	Response of Bushy-Tailed Woodrats (Neotoma cinerea) to Late Quaternary Climatic Change in the Colorado Plateau. *Quaternary Research*, **1998**, 50, 1-11	1.9	74

14	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	6.5	113
13	Path modeling methods and ecological interactions: a response to Grace and Pugesek. *American Naturalist*, **1998**, 152, 160-1	3.7	2
12	Neotoma cinerea. *Mammalian Species*, **1997**, 1	0.5	24
11	Path Analysis: A Critical Evaluation Using Long-Term Experimental Data. *American Naturalist*, **1997**, 149, 29-42	3.7	39
10	A Quantitative Analysis of the Contributions of Female Mammalogists from 1919 to 1994. *Journal of Mammalogy*, **1996**, 77, 613	1.8	3
9	Scaling of Digestive Efficiency with Body Mass in Neotoma. *Functional Ecology*, **1995**, 9, 299	5.6	30
8	Evolution of Body Size in the Woodrat over the Past 25,000 Years of Climate Change. *Science*, **1995**, 270, 2012-2014	33.3	199
7	Anthropogenic Extinction of the Endemic Woodrat, Neotoma bunkeri Burt. *Biodiversity Letters*, **1993**, 1, 149		8
6	Evolution of Body Size Among Woodrats from Baja California, Mexico. *Functional Ecology*, **1992**, 6, 265	5.6	39
5	A Model of Dietary Fiber Utilization by Small Mammalian Herbivores, with Empirical Results for Neotoma. *American Naturalist*, **1992**, 139, 398-416	3.7	75
4	On Being the Right Size1-10		4
3	Macroecological Patterns of Body Size in Mammals across Time and Space116-144		10
2	The Influence of Flight on Patterns of Body Size Diversity and Heritability187-205		5
1	The sensitivity of Neotoma to climate change and biodiversity loss over the late Quaternary. *Quaternary Research*,1-15	1.9	1