

Felisa A Smith

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ecotypic variation in the context of global climate change: revisiting the rules. <i>Ecology Letters</i> , 2006 , 9, 853-69	10	401
84	BODY MASS OF LATE QUATERNARY MAMMALS. <i>Ecology</i> , 2003 , 84, 3403-3403	4.6	335
83	ENERGY AND MATERIAL FLOW THROUGH THE URBAN ECOSYSTEM. <i>Annual Review of Environment and Resources</i> , 2000 , 25, 685-740		255
82	Megafauna and ecosystem function from the Pleistocene to the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 838-46	11.5	245
81	Pleistocene rewilding: an optimistic agenda for twenty-first century conservation. <i>American Naturalist</i> , 2006 , 168, 660-81	3.7	236
80	Re-wilding North America. <i>Nature</i> , 2005 , 436, 913-4	50.4	221
79	The evolution of maximum body size of terrestrial mammals. <i>Science</i> , 2010 , 330, 1216-9	33.3	200
78	Evolution of Body Size in the Woodrat over the Past 25,000 Years of Climate Change. <i>Science</i> , 1995 , 270, 2012-2014	33.3	199
77	Thermodynamic and metabolic effects on the scaling of production and population energy use. <i>Ecology Letters</i> , 2003 , 6, 990-995	10	193
76	Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 24-7	11.5	192
75	Similarity of mammalian body size across the taxonomic hierarchy and across space and time. <i>American Naturalist</i> , 2004 , 163, 672-91	3.7	148
74	Behavioral flexibility as a mechanism for coping with climate change. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 299-308	5.5	144
73	Body size downgrading of mammals over the late Quaternary. <i>Science</i> , 2018 , 360, 310-313	33.3	120
72	The influence of climate change on the body mass of woodrats <i>Neotoma</i> in an arid region of New Mexico, USA. <i>Ecography</i> , 1998 , 21, 140-148	6.5	113
71	Dinosaur physiology. Evidence for mesothermy in dinosaurs. <i>Science</i> , 2014 , 344, 1268-72	33.3	104
70	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. <i>Photosynthesis Research</i> , 2011 , 107, 37-57	3.7	88
69	The maximum rate of mammal evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4187-90	11.5	83

68	How big should a mammal be? A macroecological look at mammalian body size over space and time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2364-78	5.8	80
67	A Model of Dietary Fiber Utilization by Small Mammalian Herbivores, with Empirical Results for <i>Neotoma</i> . <i>American Naturalist</i> , 1992 , 139, 398-416	3.7	75
66	Response of Bushy-Tailed Woodrats (<i>Neotoma cinerea</i>) to Late Quaternary Climatic Change in the Colorado Plateau. <i>Quaternary Research</i> , 1998 , 50, 1-11	1.9	74
65	Impacts of climate change on species, populations and communities: palaeobiogeographical insights and frontiers. <i>Progress in Physical Geography</i> , 2008 , 32, 139-172	3.5	64
64	Metabolic asymmetry and the global diversity of marine predators. <i>Science</i> , 2019 , 363,	33.3	55
63	The effect of Holocene temperature fluctuations on the evolution and ecology of <i>Neotoma</i> (woodrats) in Idaho and northwestern Utah. <i>Quaternary Research</i> , 2003 , 59, 160-171	1.9	53
62	Methane emissions from extinct megafauna. <i>Nature Geoscience</i> , 2010 , 3, 374-375	18.3	44
61	Predicting woodrat (<i>Neotoma</i>) responses to anthropogenic warming from studies of the palaeomidden record. <i>Journal of Biogeography</i> , 2006 , 33, 2061-2076	4.1	44
60	Body Size Evolution Across the Geozoic. <i>Annual Review of Earth and Planetary Sciences</i> , 2016 , 44, 523-553	5.3	40
59	Path Analysis: A Critical Evaluation Using Long-Term Experimental Data. <i>American Naturalist</i> , 1997 , 149, 29-42	3.7	39
58	Macroecology: more than the division of food and space among species on continents. <i>Progress in Physical Geography</i> , 2008 , 32, 115-138	3.5	39
57	Evolution of Body Size Among Woodrats from Baja California, Mexico. <i>Functional Ecology</i> , 1992 , 6, 265	5.6	39
56	Megafauna in the Earth system. <i>Ecography</i> , 2016 , 39, 99-108	6.5	37
55	Trophic rewilding as a climate change mitigation strategy?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	37
54	Exploring the influence of ancient and historic megaherbivore extirpations on the global methane budget. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 874-9	11.5	36
53	Animal Body Size 2013 ,		33
52	Patterns of maximum body size evolution in Cenozoic land mammals: eco-evolutionary processes and abiotic forcing. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132049	4.4	30
51	Was a Hyperdisease responsible for the late Pleistocene megafaunal extinction?. <i>Ecology Letters</i> , 2004 , 7, 859-868	10	30

50	Scaling of Digestive Efficiency with Body Mass in <i>Neotoma</i> . <i>Functional Ecology</i> , 1995 , 9, 299	5.6	30
49	The fossil record of the sixth extinction. <i>Ecology Letters</i> , 2016 , 19, 546-53	10	30
48	Estimating the influence of the thermal environment on activity patterns of the desert woodrat (<i>Neotoma lepida</i>) using temperature chronologies. <i>Canadian Journal of Zoology</i> , 2012 , 90, 1171-1180	1.5	29
47	A tale of two species: Extirpation and range expansion during the late Quaternary in an extreme environment. <i>Global and Planetary Change</i> , 2009 , 65, 122-133	4.2	26
46	<i>Neotoma cinerea</i> . <i>Mammalian Species</i> , 1997 , 1	0.5	24
45	Unraveling the consequences of the terminal Pleistocene megafauna extinction on mammal community assembly. <i>Ecography</i> , 2016 , 39, 223-239	6.5	24
44	The changing role of mammal life histories in Late Quaternary extinction vulnerability on continents and islands. <i>Biology Letters</i> , 2016 , 12,	3.6	23
43	Hierarchical complexity and the size limits of life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	22
42	The accelerating influence of humans on mammalian macroecological patterns over the late Quaternary. <i>Quaternary Science Reviews</i> , 2019 , 211, 1-16	3.9	22
41	A life-history approach to the late Pleistocene megafaunal extinction. <i>American Naturalist</i> , 2013 , 182, 524-31	3.7	22
40	Effects of allometry, productivity and lifestyle on rates and limits of body size evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131007	4.4	22
39	<i>Mustela</i> or <i>Vison</i> ? Evidence for the taxonomic status of the American mink and a distinct biogeographic radiation of American weasels. <i>Molecular Phylogenetics and Evolution</i> , 2009 , 52, 632-42	4.1	21
38	The influence of juvenile dinosaurs on community structure and diversity. <i>Science</i> , 2021 , 371, 941-944	33.3	19
37	Foundations of Macroecology 2014 ,		17
36	Biotic responses of canids to the terminal Pleistocene megafauna extinction. <i>Ecography</i> , 2016 , 39, 141-151		16
35	Life in an extreme environment: a historical perspective on the influence of temperature on the ecology and evolution of woodrats. <i>Journal of Mammalogy</i> , 2014 , 95, 1128-1143	1.8	15
34	Survey of whole air data from the second airborne Biomass Burning and Lightning Experiment using principal component analysis. <i>Journal of Geophysical Research</i> , 2003 , 108,		15
33	The importance of considering animal body mass in IPCC greenhouse inventories and the underappreciated role of wild herbivores. <i>Global Change Biology</i> , 2015 , 21, 3880-8	11.4	13

32	Megacities and the environment. <i>Scientific World Journal, The</i> , 2002 , 2, 374-86	2.2	11
31	Spatiotemporal variation of methane and other trace hydrocarbon concentrations in the Valley of Mexico. <i>Environmental Science and Policy</i> , 2002 , 5, 449-461	6.2	11
30	Paleoecology in an Era of Climate Change: How the Past Can Provide Insights into the Future 2012 , 93-116		10
29	Macroecological Patterns of Body Size in Mammals across Time and Space 116-144		10
28	How isolated are Pleistocene refugia? Results from a study on a relict woodrat population from the Mojave Desert, California. <i>Journal of Biogeography</i> , 2000 , 27, 483-500	4.1	9
27	Body size shifts influence effects of increasing temperatures on ectotherm metabolism. <i>Global Ecology and Biogeography</i> , 2018 , 27, 958-967	6.1	8
26	Anthropogenic Extinction of the Endemic Woodrat, <i>Neotoma bunkerii</i> Burt. <i>Biodiversity Letters</i> , 1993 , 1, 149		8
25	Constraints on vertebrate range size predict extinction risk. <i>Global Ecology and Biogeography</i> , 2020 , 29, 76-86	6.1	7
24	Macroecological patterns of mammals across taxonomic, spatial, and temporal scales. <i>Journal of Mammalogy</i> , 2019 , 100, 1087-1104	1.8	6
23	A Lack of Attribution: Closing the Citation Gap Through a Reform of Citation and Indexing Practices. <i>Taxon</i> , 2012 , 61, 1349-1351	0.8	6
22	Evolution. Some like it hot. <i>Science</i> , 2012 , 335, 924-5	33.3	6
21	Using a Macroecological Approach to Study Geographic Range, Abundance and Body Size in the Fossil Record. <i>The Paleontological Society Papers</i> , 2010 , 16, 117-141		5
20	The Influence of Flight on Patterns of Body Size Diversity and Heritability 187-205		5
19	Investigating the role of environment in pika (<i>Ochotona</i>) body size patterns across taxonomic levels, space, and time. <i>Journal of Mammalogy</i> , 2020 , 101, 804-816	1.8	4
18	Changes in the diet and body size of a small herbivorous mammal (hispid cotton rat, <i>Sigmodon hispidus</i>) following the late Pleistocene megafauna extinction. <i>Ecography</i> , 2020 , 43, 604-619	6.5	4
17	On Being the Right Size 1-10		4
16	THE GEOZOIC SUPEREON. <i>Palaios</i> , 2011 , 26, 251-255	1.6	4
15	BIBLE A whole-air sampling as a window on Asian biogeochemistry. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		4

14	perspective: Losing time? Incorporating a deeper temporal perspective into modern ecology. <i>Frontiers of Biogeography</i> , 2012 , 4,	2.9	4
13	Response to Comments on "Evidence for mesothermy in dinosaurs". <i>Science</i> , 2015 , 348, 982	33.3	3
12	A Quantitative Analysis of the Contributions of Female Mammalogists from 1919 to 1994. <i>Journal of Mammalogy</i> , 1996 , 77, 613	1.8	3
11	Investigating (a)symmetry in a small mammal's response to warming and cooling events across western North America over the late Quaternary. <i>Quaternary Research</i> , 2019 , 92, 408-415	1.9	2
10	Reply to Methane and megafauna. <i>Nature Geoscience</i> , 2011 , 4, 272-272	18.3	2
9	Path modeling methods and ecological interactions: a response to Grace and Pugsek. <i>American Naturalist</i> , 1998 , 152, 160-1	3.7	2
8	The relationship between molar morphology and ecology within Neotoma. <i>Journal of Mammalogy</i> , 2020 , 101, 1711-1726	1.8	1
7	Diversification within the Mexican Vole (<i>Microtus mexicanus</i>) and the Role of Post-Pleistocene Climate Change. <i>Western North American Naturalist</i> , 2011 , 71, 176-194	0.4	1
6	The sensitivity of Neotoma to climate change and biodiversity loss over the late Quaternary. <i>Quaternary Research</i> , 1-15	1.9	1
5	A Framework for Investigating Rules of Life by Establishing Zones of Influence. <i>Integrative and Comparative Biology</i> , 2021 ,	2.8	1
4	Isotopic niche of the American pika (<i>Ochotona princeps</i>) through space and time. <i>Canadian Journal of Zoology</i> , 2020 , 98, 515-526	1.5	0
3	The road to a larger brain.. <i>Science</i> , 2022 , 376, 27-28	33.3	0
2	Using a Macroscopelto Look at Patterns of Mammal Body Size in the Fossil Record. <i>The Paleontological Society Special Publications</i> , 2014 , 13, 54-55		
1	Response to Comment on "The influence of juvenile dinosaurs on community structure and diversity".. <i>Science</i> , 2022 , 375, eabj7383	33.3	