

Christy M McCain

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

6,702
citations

201674

27
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

8590
citing authors

#	ARTICLE	IF	CITATIONS
1	Niche conservatism as an emerging principle in ecology and conservation biology. <i>Ecology Letters</i> , 2010, 13, 1310-1324.	6.4	1,387
2	Evolution and the latitudinal diversity gradient: speciation, extinction and biogeography. <i>Ecology Letters</i> , 2007, 10, 315-331.	6.4	1,361
3	Global analysis of bird elevational diversity. <i>Global Ecology and Biogeography</i> , 2009, 18, 346-360.	5.8	383
4	ELEVATIONAL GRADIENTS IN DIVERSITY OF SMALL MAMMALS. <i>Ecology</i> , 2005, 86, 366-372.	3.2	337
5	Could temperature and water availability drive elevational species richness patterns? A global case study for bats. <i>Global Ecology and Biogeography</i> , 2007, 16, 1-13.	5.8	307
6	The mid-domain effect applied to elevational gradients: species richness of small mammals in Costa Rica. <i>Journal of Biogeography</i> , 2004, 31, 19-31.	3.0	299
7	Phylogeny, niche conservatism and the latitudinal diversity gradient in mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2131-2138.	2.6	219
8	Assessing the threat to montane biodiversity from discordant shifts in temperature and precipitation in a changing climate. <i>Ecology Letters</i> , 2011, 14, 1236-1245.	6.4	214
9	Vertebrate range sizes indicate that mountains may be "higher" in the tropics. <i>Ecology Letters</i> , 2009, 12, 550-560.	6.4	189
10	Latitude, elevational climatic zonation and speciation in New World vertebrates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 194-201.	2.6	186
11	The origin and maintenance of montane diversity: integrating evolutionary and ecological processes. <i>Ecography</i> , 2014, 37, 711-719.	4.5	182
12	Body size and activity times mediate mammalian responses to climate change. <i>Global Change Biology</i> , 2014, 20, 1760-1769.	9.5	153
13	AREA AND MAMMALIAN ELEVATIONAL DIVERSITY. <i>Ecology</i> , 2007, 88, 76-86.	3.2	149
14	Global analysis of reptile elevational diversity. <i>Global Ecology and Biogeography</i> , 2010, 19, 541-553.	5.8	124
15	Different evolutionary histories underlie congruent species richness gradients of birds and mammals. <i>Journal of Biogeography</i> , 2012, 39, 825-841.	3.0	84
16	Elevational species richness gradients in a hyperdiverse insect taxon: a global meta-analysis on geometrid moths. <i>Global Ecology and Biogeography</i> , 2017, 26, 412-424.	5.8	83
17	Environmental harshness is positively correlated with intraspecific divergence in mammals and birds. <i>Molecular Ecology</i> , 2014, 23, 259-268.	3.9	82
18	Midpoint attractors and species richness: Modelling the interaction between environmental drivers and geometric constraints. <i>Ecology Letters</i> , 2016, 19, 1009-1022.	6.4	75

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19	When does diversity fit null model predictions? Scale and range size mediate the mid-domain effect. <i>Global Ecology and Biogeography</i> , 2007, 16, 305-312.	5.8	73
20	Using functional and phylogenetic diversity to infer avian community assembly along elevational gradients. <i>Global Ecology and Biogeography</i> , 2020, 29, 232-245.	5.8	67
21	A Systematic Review of Global Drivers of Ant Elevational Diversity. <i>PLoS ONE</i> , 2016, 11, e0155404.	2.5	57
22	Population variability complicates the accurate detection of climate change responses. <i>Global Change Biology</i> , 2016, 22, 2081-2093.	9.5	51
23	Elevational Rapoport's rule is not pervasive on mountains. <i>Global Ecology and Biogeography</i> , 2013, 22, 750-759.	5.8	47
24	Habitat quality and disturbance drive lichen species richness in a temperate biodiversity hotspot. <i>Oecologia</i> , 2019, 190, 445-457.	2.0	36
25	Climate change and elevational range shifts in insects. <i>Current Opinion in Insect Science</i> , 2021, 47, 111-118.	4.4	35
26	Small mammal species richness is directly linked to regional productivity, but decoupled from food resources, abundance, or habitat complexity. <i>Journal of Biogeography</i> , 2018, 45, 2533-2545.	3.0	33
27	Metabolic theory and elevational diversity of vertebrate ectotherms. <i>Ecology</i> , 2010, 91, 601-609.	3.2	31
28	A taxonomically broad metagenomic survey of 339 species spanning 57 families suggests cystobasidiomycete yeasts are not ubiquitous across all lichens. <i>American Journal of Botany</i> , 2019, 106, 1090-1095.	1.7	29
29	Species turnover in vertebrate communities along elevational gradients is idiosyncratic and unrelated to species richness. <i>Global Ecology and Biogeography</i> , 2016, 25, 299-310.	5.8	23
30	Disentangling elevational richness: a multi-scale hierarchical Bayesian occupancy model of Colorado ant communities. <i>Ecography</i> , 2019, 42, 977-988.	4.5	20
31	Unusually large upward shifts in cold-adapted, montane mammals as temperature warms. <i>Ecology</i> , 2021, 102, e03300.	3.2	11
32	Natural population variability may be masking the more individuals hypothesis. <i>Ecology</i> , 2020, 101, e03035.	3.2	10
33	Field sampling is biased against small-ranged species of high conservation value: a case study on the sphingid moths of East Africa. <i>Biodiversity and Conservation</i> , 2018, 27, 3533-3544.	2.6	8
34	Elevational richness patterns of sphingid moths support area effects over climatic drivers in a near-global analysis. <i>Global Ecology and Biogeography</i> , 2019, 28, 917-927.	5.8	6
35	Multiple dimensions of bird beta diversity support that mountains are higher in the tropics. <i>Journal of Biogeography</i> , 2021, 48, 2455-2468.	3.0	6
36	Evidence of substrate endemism of lichens on Fox Hills Sandstone: Discovery and description of <i>Lecanora lendemeri</i> as new to science. <i>Bryologist</i> , 2019, 122, 246.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Most lichens are rare, and degree of rarity is mediated by lichen traits and biotic partners. <i>Diversity and Distributions</i> , 2022, 28, 1810-1819.	4.1	4
38	Is the ecological belt zonation of the Swiss Alps relevant for moth diversity and turnover?. <i>Acta Oecologica</i> , 2017, 80, 1-7.	1.1	2
39	Robust discrimination of <i>Reithrodontomys megalotis</i> and <i>R. montanus</i> (Mammalia:) Tj ETQq1 1 0.784314 rgBT /Overlock Proceedings of the Biological Society of Washington, 2015, 128, 1-10.	0.3	1
40	Assessing the risks to United States and Canadian mammals caused by climate change using a trait-mediated model. <i>Journal of Mammalogy</i> , 0, , .	1.3	1
41	AREA AND MAMMALIAN ELEVATIONAL DIVERSITY. , 2007, 88, 76.		1