

Xiao Xiao

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.

17
papers

653
citations

12
h-index

17
g-index

17
ext. papers

796
ext. citations

5
avg, IF

4.01
L-index

#	Paper	IF	Citations
17	On the use of log-transformation vs. nonlinear regression for analyzing biological power laws. <i>Ecology</i> , 2011 , 92, 1887-94	4.6	207
16	Embracing scale-dependence to achieve a deeper understanding of biodiversity and its change across communities. <i>Ecology Letters</i> , 2018 , 21, 1737-1751	10	117
15	Characterizing species abundance distributions across taxa and ecosystems using a simple maximum entropy model. <i>Ecology</i> , 2012 , 93, 1772-8	4.6	63
14	Measurement of Biodiversity (MoB): A method to separate the scale-dependent effects of species abundance distribution, density, and aggregation on diversity change. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 258-269	7.7	58
13	An extensive comparison of species-abundance distribution models. <i>PeerJ</i> , 2016 , 4, e2823	3.1	41
12	A strong test of the maximum entropy theory of ecology. <i>American Naturalist</i> , 2015 , 185, E70-80	3.7	39
11	A Process-Independent Explanation for the General Form of Taylor's Law. <i>American Naturalist</i> , 2015 , 186, E51-60	3.7	32
10	mobsim: An r package for the simulation and measurement of biodiversity across spatial scales. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1401-1408	7.7	17
9	Taylor's Power Law for Leaf Bilateral Symmetry. <i>Forests</i> , 2018 , 9, 500	2.8	14
8	Building up biogeography: Pattern to process. <i>Journal of Biogeography</i> , 2018 , 45, 1223-1230	4.1	13
7	Comparing process-based and constraint-based approaches for modeling macroecological patterns. <i>Ecology</i> , 2016 , 97, 1228-38	4.6	12
6	Armstrong-McGehee mechanism revisited: competitive exclusion and coexistence of nonlinear consumers. <i>Journal of Theoretical Biology</i> , 2013 , 339, 26-35	2.3	12
5	Methodological Tools		11
4	An empirical evaluation of four variants of a universal species-area relationship. <i>PeerJ</i> , 2013 , 1, e212	3.1	10
3	Reinterpreting maximum entropy in ecology: a null hypothesis constrained by ecological mechanism. <i>Ecology Letters</i> , 2017 , 20, 832-841	10	5
2	Comparing process-based and constraint-based approaches for modeling macroecological patterns 2016 , 97, 1228		1
1	An extensive comparison of species-abundance distribution models		1

