

Chaeho Byun

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,580
citations

471371

17
h-index

477173

29
g-index

33
all docs

33
docs citations

33
times ranked

5494
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
2	Multiple facets of biodiversity drive the diversity–stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	3.4	296
3	sPlot “ A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019, 30, 161-186.	1.1	185
4	Plant functional group identity and diversity determine biotic resistance to invasion by an exotic grass. <i>Journal of Ecology</i> , 2013, 101, 128-139.	1.9	170
5	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10937-E10946.	3.3	159
6	A methodology to derive global maps of leaf traits using remote sensing and climate data. <i>Remote Sensing of Environment</i> , 2018, 218, 69-88.	4.6	104
7	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation. <i>Nature Ecology and Evolution</i> , 2022, 6, 36-50.	3.4	89
8	Root traits explain plant species distributions along climatic gradients yet challenge the nature of ecological trade-offs. <i>Nature Ecology and Evolution</i> , 2021, 5, 1123-1134.	3.4	62
9	Interactions between abiotic constraint, propagule pressure, and biotic resistance regulate plant invasion. <i>Oecologia</i> , 2015, 178, 285-296.	0.9	60
10	Phylogenetic patterns and phenotypic profiles of the species of plants and mammals farmed for food. <i>Nature Ecology and Evolution</i> , 2018, 2, 1808-1817.	3.4	59
11	Management of invasive plants through ecological resistance. <i>Biological Invasions</i> , 2018, 20, 13-27.	1.2	56
12	Robustness of trait connections across environmental gradients and growth forms. <i>Global Ecology and Biogeography</i> , 2019, 28, 1806-1826.	2.7	56
13	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europe’s alien and native floras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	47
14	Ecological application of biotic resistance to control the invasion of an invasive plant, <i>Ageratina altissima</i> . <i>Ecology and Evolution</i> , 2017, 7, 2181-2192.	0.8	34
15	Does the leaf economic spectrum hold within plant functional types? A Bayesian multivariate trait meta-analysis. <i>Ecological Applications</i> , 2020, 30, e02064.	1.8	22
16	Seed density is as important as limiting similarity, diversity effect, and propagule pressure in plant restoration to control invasion. <i>Ecological Engineering</i> , 2020, 144, 105712.	1.6	18
17	High exposure of global tree diversity to human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18
18	Effects of flooding regime on wetland plant growth and species dominance in a mesocosm experiment. <i>Plant Ecology</i> , 2017, 218, 517-527.	0.7	17

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19	Microbial mechanism for enhanced methane emission in deep soil layer of Phragmites-introduced tidal marsh. <i>Environment International</i> , 2020, 134, 105251.	4.8	17
20	Restoring functionally diverse communities enhances invasion resistance in a freshwater wetland. <i>Journal of Ecology</i> , 2020, 108, 2485-2498.	1.9	15
21	Giant Ragweed Invasion is Not Well Controlled by Biotic Resistance. <i>Journal of Plant Biology</i> , 2018, 61, 301-308.	0.9	8
22	Ground cover species selection to manage common ragweed (<i>Ambrosia artemisiifolia</i> L.) in roadside edge of highway. <i>Plant Ecology</i> , 2015, 216, 263-271.	0.7	7
23	Comparison of ecophysiological and leaf anatomical traits of native and invasive plant species. <i>Journal of Ecology and Environment</i> , 2021, 45, .	1.6	6
24	Identification of restoration species for early roadcut slope regeneration using functional group approach. <i>Restoration Ecology</i> , 2021, 29, e13424.	1.4	6
25	Increasing Functional Diversity in a Global Land Surface Model Illustrates Uncertainties Related to Parameter Simplification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	6
26	Trait-based evaluation of plant assemblages in traditional farm ponds in Korea: Ecological and management implications. <i>Journal of Limnology</i> , 2019, 78, .	0.3	5
27	Elevated concentrations of CO ₂ and nitrogen alter DOC release and soil phenolic content in wetland microcosms. <i>Ecoscience</i> , 2020, 27, 119-126.	0.6	5
28	Canopy cover size and establishment rate determine biotic resistance to <i>Aster pilosus</i> invasion: a priority effect. <i>Plant Ecology</i> , 2022, 223, 559-568.	0.7	3
29	Effects of cutting and sowing seeds of native species on giant ragweed invasion and plant diversity in a field experiment. <i>Journal of Ecology and Environment</i> , 2020, 44, .	1.6	1