Cynthia S Brown

List of Publications by Year
in descending order

53	3,940	218677	175258
papers	citations	26 h-index	52 g-index

55	55	55	5880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Herbivores and nutrients control grassland plant diversity via light limitation. Nature, 2014, 508, 517-520.	27.8	669
2	Community assembly and invasion: An experimental test of neutral versus niche processes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8916-8920.	7.1	652
3	Productivity Is a Poor Predictor of Plant Species Richness. Science, 2011, 333, 1750-1753.	12.6	463
4	Resilience to Stress and Disturbance, and Resistance to Bromus tectorum L. Invasion in Cold Desert Shrublands of Western North America. Ecosystems, 2014, 17, 360-375.	3.4	336
5	Field validation of an invasive species Maxent model. Ecological Informatics, 2016, 36, 126-134.	5.2	196
6	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	12.8	143
7	SYNTHESIS: The role of adaptive transâ€generational plasticity in biological invasions of plants. Evolutionary Applications, 2010, 3, 179-192.	3.1	107
8	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. Nature Ecology and Evolution, 2019, 3, 400-406.	7.8	97
9	Comparisons of Mycorrhizal Responsiveness with Field Soil and Commercial Inoculum for Six Native Montane Species and Bromus tectorum. Restoration Ecology, 2007, 15, 44-52.	2.9	88
10	Abundance of introduced species at home predicts abundance away in herbaceous communities. Ecology Letters, 2011, 14, 274-281.	6.4	88
11	Non-native plant invasions of United States National Parks. Biological Invasions, 2009, 11, 2195-2207.	2.4	78
12	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	9.5	70
13	Quantifying the invasiveness of species. NeoBiota, 0, 21, 7-27.	1.0	63
14	Soil net nitrogen mineralisation across global grasslands. Nature Communications, 2019, 10, 4981.	12.8	57
15	Restoration Ecology and Invasive Plants in the Semiarid West. Invasive Plant Science and Management, 2008, 1, 399-413.	1.1	48
16	Distributional Changes and Range Predictions of Downy Brome (Bromus tectorum) in Rocky Mountain National Park. Invasive Plant Science and Management, 2011, 4, 173-182.	1.1	47
17	Drivers of Variation in Aboveground Net Primary Productivity and Plant Community Composition Differ Across a Broad Precipitation Gradient. Ecosystems, 2016, 19, 521-533.	3.4	47
18	Exotic Annual Bromus Invasions: Comparisons Among Species and Ecoregions in the Western United States. Springer Series on Environmental Management, 2016, , 11-60.	0.3	44

#	Article	IF	Citations
19	Negative effects of nitrogen override positive effects of phosphorus on grassland legumes worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	40
20	Using High-Resolution Future Climate Scenarios to Forecast Bromus tectorum Invasion in Rocky Mountain National Park. PLoS ONE, 2015, 10, e0117893.	2.5	39
21	The Role of Urban Agriculture in a Secure, Healthy, and Sustainable Food System. BioScience, 2018, 68, 748-759.	4.9	37
22	Downy Brome Control and Impacts on Perennial Grass Abundance: A Systematic Review Spanning 64 Years. Rangeland Ecology and Management, 2017, 70, 396-404.	2.3	36
23	Minimizing effects of methodological decisions on interpretation and prediction in species distribution studies: An example with background selection. Ecological Modelling, 2017, 363, 48-56.	2.5	34
24	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. Ecosystems, 2019, 22, 1466-1477.	3.4	34
25	Plant Community Resistance to Invasion by Bromus Species: The Roles of Community Attributes, Bromus Interactions with Plant Communities, and Bromus Traits. Springer Series on Environmental Management, 2016, , 275-304.	0.3	33
26	The Influence of Soil Inoculum and Nitrogen Availability on Restoration of Highâ€Elevation Steppe Communities Invaded by Bromus tectorum. Restoration Ecology, 2009, 17, 686-694.	2.9	31
27	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€. Science, 2012, 335, 1441-1441.	12.6	30
28	Getting to the root of restoration: considering root traits for improved restoration outcomes under drought and competition. Restoration Ecology, 2020, 28, 1384-1395.	2.9	30
29	Microbial processing of plant remains is coâ€limited by multiple nutrients in global grasslands. Global Change Biology, 2020, 26, 4572-4582.	9.5	27
30	Fire promotes downy brome (Bromus tectorum L.) seed dispersal. Biological Invasions, 2013, 15, 1113-1123.	2.4	26
31	Global impacts of fertilization and herbivore removal on soil net nitrogen mineralization are modulated by local climate and soil properties. Global Change Biology, 2020, 26, 7173-7185.	9.5	25
32	Effects of belowground resource use comlementarity on invasion of constructed grassland plant communities. Biological Invasions, 2010, 12, 1319-1334.	2.4	21
33	High Phenotypic and Molecular Variation in Downy Brome (Bromus tectorum). Invasive Plant Science and Management, 2008, 1, 216-225.	1.1	20
34	Managing Downy Brome (Bromus tectorum) in the Central Rockies: Land Manager Perspectives. Invasive Plant Science and Management, 2013, 6, 521-535.	1.1	19
35	The influence of chilling requirement on the southern distribution limit of exotic Russian olive (Elaeagnus angustifolia) in western North America. Biological Invasions, 2012, 14, 1711-1724.	2.4	18
36	Tumbling: Use of Diffuse Knapweed (Centaurea diffusa) to Examine an Understudied Dispersal Mechanism. Invasive Plant Science and Management, 2010, 3, 301-309.	1.1	17

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37	Leaf and root traits, but not relationships among traits, vary with ontogeny in seedlings. Plant and Soil, 2021, 460, 247-261.	3.7	17
38	Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€• Science, 2016, 351, 457-457.	12.6	16
39	PERSPECTIVE: Linking concepts in the ecology and evolution of invasive plants: network analysis shows what has been most studied and identifies knowledge gaps. Evolutionary Applications, 2010, 3, 193-202.	3.1	11
40	Roadway Deicer Effects on the Germination of Native Grasses and Forbs. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	10
41	Introduction: Exotic Annual Bromus in the Western USA. Springer Series on Environmental Management, 2016, , 1-7.	0.3	10
42	Firstâ€Year Responses of Cheatgrass Following Tamarix spp. Control and Restorationâ€Related Disturbances. Restoration Ecology, 2008, 16, 129-135.	2.9	9
43	SRU_D: A simple nonâ€destructive method for accurate quantification of plant diversity dynamics. Journal of Ecology, 2019, 107, 2155-2166.	4.0	9
44	Soil amendment interacts with invasive grass and drought to uniquely influence aboveground versus belowground biomass in aridland restoration. Restoration Ecology, 2020, 28, A13.	2.9	8
45	Linking Biophysical, Socioeconomic, and Political Effects of Climate Change on Agro-Ecosystems. Journal of Geoscience Education, 2014, 62, 343-352.	1.4	6
46	Diaspore heteromorphism in the invasive Bromus tectorum L. (Poaceae): Sterile florets increase dispersal propensity and distance. Flora: Morphology, Distribution, Functional Ecology of Plants, 2016, 224, 7-13.	1.2	6
47	Invasive annual grass interacts with drought to influence plant communities and soil moisture in dryland restoration. Ecosphere, 2021, 12, e03417.	2.2	6
48	Assessing Restoration and Management Needs for Ecosystems Invaded by Exotic Annual Bromus Species. Springer Series on Environmental Management, 2016, , 339-370.	0.3	6
49	Attributes That Confer Invasiveness and Impacts Across the Large Genus Bromus: Lessons from the Bromus REEnet Database. Springer Series on Environmental Management, 2016, , 155-191.	0.3	5
50	Developing Regional Invasive Species Watch Lists: Colorado as a Case Study. Invasive Plant Science and Management, 2008, 1, 390-398.	1.1	4
51	Cultivars of popular restoration grass developed for drought do not have higher drought resistance and do not differ in droughtâ€related traits from other accessions. Restoration Ecology, 2021, 29, e13415.	2.9	3
52	Slash Pile Burn Scar Restoration: Tradeoffs between Abundance of Non-Native and Native Species. Forests, 2020, 11, 813.	2.1	2
53	Invasive Plants. , 2018, , 209-252.		0