

Heng Huang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

429
citations

933447

10
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

306
citing authors

#	ARTICLE	IF	CITATIONS
1	Aridity-driven shift in biodiversity–soil multifunctionality relationships. <i>Nature Communications</i> , 2021, 12, 5350.	12.8	164
2	The scaling of fine root nitrogen versus phosphorus in terrestrial plants: A global synthesis. <i>Functional Ecology</i> , 2019, 33, 2081-2094.	3.6	35
3	Plant type dominates fine-root C:N:P stoichiometry across China: A meta-analysis. <i>Journal of Biogeography</i> , 2020, 47, 1019-1029.	3.0	29
4	Non-linear shift from grassland to shrubland in temperate barrier islands. <i>Ecology</i> , 2018, 99, 1671-1681.	3.2	28
5	Water content quantitatively affects metabolic rates over the course of plant ontogeny. <i>New Phytologist</i> , 2020, 228, 1524-1534.	7.3	25
6	Life history strategies drive size-dependent biomass allocation patterns of dryland ephemerals and shrubs. <i>Ecosphere</i> , 2019, 10, e02709.	2.2	22
7	Does phenology play a role in the feedbacks underlying shrub encroachment?. <i>Science of the Total Environment</i> , 2019, 657, 1064-1073.	8.0	17
8	A theoretical framework for whole-plant carbon assimilation efficiency based on metabolic scaling theory: a test case using <i>Picea</i> seedlings. <i>Tree Physiology</i> , 2015, 35, 599-607.	3.1	15
9	Global Data Analysis Shows That Soil Nutrient Levels Dominate Foliar Nutrient Resorption Efficiency in Herbaceous Species. <i>Frontiers in Plant Science</i> , 2018, 9, 1431.	3.6	14
10	Variability of ecosystem carbon source from microbial respiration is controlled by rainfall dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
11	A General Model for Seed and Seedling Respiratory Metabolism. <i>American Naturalist</i> , 2020, 195, 534-546.	2.1	9
12	Allocation Strategies for Seed Nitrogen and Phosphorus in an Alpine Meadow Along an Altitudinal Gradient on the Tibetan Plateau. <i>Frontiers in Plant Science</i> , 2020, 11, 614644.	3.6	9
13	Critical transition to woody plant dominance through microclimate feedbacks in North American coastal ecosystems. <i>Ecology</i> , 2020, 101, e03107.	3.2	9
14	Ecosystem complexity enhances the resilience of plant-pollinator systems. <i>One Earth</i> , 2021, 4, 1286-1296.	6.8	9
15	Critical Transitions in Plant-Pollinator Systems Induced by Positive Inbreeding-Reward-Pollinator Feedbacks. <i>IScience</i> , 2020, 23, 100819.	4.1	8
16	Global synthesis for the scaling of soil microbial nitrogen to phosphorus in terrestrial ecosystems. <i>Environmental Research Letters</i> , 2021, 16, 044034.	5.2	8
17	CAM plant expansion favored indirectly by asymmetric climate warming and increased rainfall variability. <i>Oecologia</i> , 2020, 193, 1-13.	2.0	7
18	Divergent scaling of fine-root nitrogen and phosphorus in different root diameters, orders and functional categories: A meta-analysis. <i>Forest Ecology and Management</i> , 2021, 495, 119384.	3.2	4

#	ARTICLE	IF	CITATIONS
19	The competitive advantage of C4 grasses over CAM plants under increased rainfall variability. <i>Plant and Soil</i> , 2019, 442, 483-495.	3.7	2
20	Microclimate feedbacks sustain power law clustering of encroaching coastal woody vegetation. <i>Communications Biology</i> , 2021, 4, 745.	4.4	2
21	Non-linear Shift from Grassland to Shrubland in Temperate Barrier Islands. <i>Bulletin of the Ecological Society of America</i> , 2018, 99, e01421.	0.2	0