Charles A Price

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4663852/publications.pdf

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26	2,312	471061 17	552369 26
papers	citations	h-index	g-index

26	26	26	4271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the relationships between size and abundance in plants: beyond forest communities. Ecosphere, 2019, 10, e02856.	1.0	4
2	Low resource availability limits weed invasion of tropical savannas. Biological Invasions, 2018, 20, 861-875.	1.2	9
3	Optimal allocation of leaf epidermal area for gas exchange. New Phytologist, 2016, 210, 1219-1228.	3.5	139
4	Apparent Overinvestment in Leaf Venation Relaxes Leaf Morphological Constraints on Photosynthesis in Arid Habitats. Plant Physiology, 2016, 172, 2286-2299.	2.3	59
5	The underlying basis for the tradeâ€off between leaf size and leafing intensity. Functional Ecology, 2016, 30, 199-205.	1.7	20
6	Evaluating general allometric models: interspecific and intraspecific data tell different stories due to interspecific variation in stem tissue density and leaf size. Oecologia, 2016, 180, 671-684.	0.9	4
7	Isometric partitioning of hydraulic conductance between leaves and stems: balancing safety and efficiency in different growth forms and habitats. Plant, Cell and Environment, 2015, 38, 1628-1636.	2.8	17
8	Estimates of Leaf Vein Density Are Scale Dependent. Plant Physiology, 2014, 164, 173-180.	2.3	16
9	Reading the leaves: A comparison of leaf rank and automated areole measurement for quantifying aspects of leaf venation. Applications in Plant Sciences, 2014, 2, 1400006.	0.8	15
10	Costs and benefits of reticulate leaf venation. BMC Plant Biology, 2014, 14, 234.	1.6	20
11	The role of root exuded low molecular weight organic anions in facilitating petroleum hydrocarbon degradation: Current knowledge and future directions. Science of the Total Environment, 2014, 472, 642-653.	3.9	211
12	Are leaf functional traits â€˜invariantâ€™ with plant size and what is â€˜invarianceâ€™ anyway?. Functional Ecology, 2014, 28, 1330-1343.	1.7	46
13	The Influence of Branch Order on Optimal Leaf Vein Geometries: Murrayâ€™s Law and Area Preserving Branching. PLoS ONE, 2013, 8, e85420.	1.1	33
14	LEAF GUI: Analyzing the Geometry of Veins and Areoles Using Image Segmentation Algorithms. Methods in Molecular Biology, 2012, 918, 41-49.	0.4	10
15	Testing the metabolic theory of ecology. Ecology Letters, 2012, 15, 1465-1474.	3.0	155
16	Opportunities for improving phosphorusâ€use efficiency in crop plants. New Phytologist, 2012, 195, 306-320.	3.5	702
17	Allometric covariation: a hallmark behavior of plants and leaves. New Phytologist, 2012, 193, 882-889.	3.5	21
18	Scaling and structure of dicotyledonous leaf venation networks. Ecology Letters, 2012, 15, 87-95.	3.0	51

#	Article	IF	Citations
19	The biogeography and filtering of woody plant functional diversity in North and South America. Global Ecology and Biogeography, 2012, 21, 798-808.	2.7	235
20	Leaf Extraction and Analysis Framework Graphical User Interface: Segmenting and Analyzing the Structure of Leaf Veins and Areoles Â Â. Plant Physiology, 2011, 155, 236-245.	2.3	100
21	The metabolic theory of ecology: prospects and challenges for plant biology. New Phytologist, 2010, 188, 696-710.	3.5	102
22	Zeroâ€sum allocational strategies determine the allometry of specific leaf area. American Journal of Botany, 2010, 97, 1808-1815.	0.8	12
23	Evaluating scaling models in biology using hierarchical Bayesian approaches. Ecology Letters, 2009, 12, 641-651.	3.0	60
24	A general model for allometric covariation in botanical form and function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13204-13209.	3.3	152
25	SCALING MASS AND MORPHOLOGY IN LEAVES: AN EXTENSION OF THE WBE MODEL. Ecology, 2007, 88, 1132-1141.	1.5	95
26	Managing Non-Native Plant Populations Through Intensive Community Restoration in Cades Cove, Great Smoky Mountains National Park, U.S.A.. Restoration Ecology, 2003, 11, 351-358.	1.4	24