Megan K Bartlett

List of Publications by Year
in descending order

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30 papers	3,125 citations	411340 20 h-index	536525 29 g-index
30 all docs	30 docs citations	30 times ranked	4714 citing authors

#	Article	IF	Citations
1	Root pressureâ€“volume curve traits capture rootstock drought tolerance. Annals of Botany, 2022, 129, 389-402.	1.4	13
2	Coordination Between Phloem Loading and Structure Maintains Carbon Transport Under Drought. Frontiers in Plant Science, 2022, 13, 787837.	1.7	5
3	Cycads defy expectations for the coordination between drought and mechanical resistance. A commentary on: â€˜Correlations between leaf economics, mechanical resistance and drought tolerance across 41 cycad speciesâ€™. Annals of Botany, 2022, , .	1.4	1
4	Temperature and evaporative demand drive variation in stomatal and hydraulic traits across grape cultivars. Journal of Experimental Botany, 2021, 72, 1995-2009.	2.4	15
5	Leaf drought tolerance cannot be inferred from classic leaf traits in a tropical rainforest. Journal of Ecology, 2020, 108, 1030-1045.	1.9	29
6	Predicting Stomatal Closure and Turgor Loss in Woody Plants Using Predawn and Midday Water Potential. Plant Physiology, 2020, 184, 881-894.	2.3	39
7	A stomatal safety-efficiency trade-off constrains responses to leaf dehydration. Nature Communications, 2019, 10, 3398.	5.8	118
8	Seedling response to water stress in valley oak (Quercus lobata) is shaped by different gene networks across populations. Molecular Ecology, 2019, 28, 5248-5264.	2.0	19
9	Climate and plant trait strategies determine tree carbon allocation to leaves and mediate future forest productivity. Global Change Biology, 2019, 25, 3395-3405.	4.2	53
10	Disentangling the functional trait correlates of spatial aggregation in tropical forest trees. Ecology, 2019, 100, e02591.	1.5	22
11	Covariation between leaf hydraulics and biomechanics is driven by leaf density in Mediterranean shrubs. Trees - Structure and Function, 2019, 33, 507-519.	0.9	9
12	Predicting shifts in the functional composition of tropical forests under increased drought and <scp>CO</scp>₂ from tradeâ€offs among plant hydraulic traits. Ecology Letters, 2019, 22, 67-77.	3.0	43
13	An extensive suite of functional traits distinguishes Hawaiian wet and dry forests and enables prediction of species vital rates. Functional Ecology, 2019, 33, 712-734.	1.7	37
14	The Causes of Leaf Hydraulic Vulnerability and Its Influence on Gas Exchange in Arabidopsis thaliana. Plant Physiology, 2018, 178, 1584-1601.	2.3	50
15	Evolution of leaf structure and drought tolerance in species of Californian Ceanothus. American Journal of Botany, 2018, 105, 1672-1687.	0.8	20
16	Dryâ€season decline in tree sapflux is correlated with leaf turgor loss point in a tropical rainforest. Functional Ecology, 2018, 32, 2285-2297.	1.7	22
17	Outside-Xylem Vulnerability, Not Xylem Embolism, Controls Leaf Hydraulic Decline during Dehydration. Plant Physiology, 2017, 173, 1197-1210.	2.3	195
18	Stronger seasonal adjustment in leaf turgor loss point in lianas than trees in an Amazonian forest. Biology Letters, 2017, 13, 20160819.	1.0	32

#	Article	IF	Citations
19	Meta-analysis reveals that hydraulic traits explain cross-species patterns of drought-induced tree mortality across the globe. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5024-5029.	3.3	554
20	Osmotic and hydraulic adjustment of mangrove saplings to extreme salinity. Tree Physiology, 2016, 36, 1562-1572.	1.4	36
21	The correlations and sequence of plant stomatal, hydraulic, and wilting responses to drought. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13098-13103.	3.3	362
22	Does climate directly influence <scp>NPP</scp> globally?. Global Change Biology, 2016, 22, 12-24.	4.2	98
23	Drought tolerance as predicted by leaf water potential at turgor loss point varies strongly across species within an Amazonian forest. Functional Ecology, 2015, 29, 1268-1277.	1.7	151
24	Global analysis of plasticity in turgor loss point, a key drought tolerance trait. Ecology Letters, 2014, 17, 1580-1590.	3.0	234
25	Correlated evolution in traits influencing leaf water balance in Dendrobium (Orchidaceae). Plant Ecology, 2014, 215, 1255-1267.	0.7	16
26	Rapid determination of comparative drought tolerance traits: using an osmometer to predict turgor loss point. Methods in Ecology and Evolution, 2012, 3, 880-888.	2.2	183
27	Variation in foliar nitrogen and albedo in response to nitrogen fertilization and elevated CO2. Oecologia, 2012, 169, 915-925.	0.9	19
28	The determinants of leaf turgor loss point and prediction of drought tolerance of species and biomes: a global metaâ€analysis. Ecology Letters, 2012, 15, 393-405.	3.0	674
29	Canopy-scale relationships between foliar nitrogen and albedo are not observed in leaf reflectance and transmittance within temperate deciduous tree species. Botany, 2011, 89, 491-497.	0.5	47
30	Causes of variation in leaf-level drought tolerance within an Amazonian forest. The Journal of Plant Hydraulics, 0, 3, e004.	1.0	29