

Megan K Bartlett

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,125
citations

361388

20
h-index

477281

29
g-index

30
all docs

30
docs citations

30
times ranked

4195
citing authors

#	ARTICLE	IF	CITATIONS
1	The determinants of leaf turgor loss point and prediction of drought tolerance of species and biomes: a global meta-analysis. <i>Ecology Letters</i> , 2012, 15, 393-405.	6.4	674
2	Meta-analysis reveals that hydraulic traits explain cross-species patterns of drought-induced tree mortality across the globe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5024-5029.	7.1	554
3	The correlations and sequence of plant stomatal, hydraulic, and wilting responses to drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13098-13103.	7.1	362
4	Global analysis of plasticity in turgor loss point, a key drought tolerance trait. <i>Ecology Letters</i> , 2014, 17, 1580-1590.	6.4	234
5	Outside-Xylem Vulnerability, Not Xylem Embolism, Controls Leaf Hydraulic Decline during Dehydration. <i>Plant Physiology</i> , 2017, 173, 1197-1210.	4.8	195
6	Rapid determination of comparative drought tolerance traits: using an osmometer to predict turgor loss point. <i>Methods in Ecology and Evolution</i> , 2012, 3, 880-888.	5.2	183
7	Drought tolerance as predicted by leaf water potential at turgor loss point varies strongly across species within an Amazonian forest. <i>Functional Ecology</i> , 2015, 29, 1268-1277.	3.6	151
8	A stomatal safety-efficiency trade-off constrains responses to leaf dehydration. <i>Nature Communications</i> , 2019, 10, 3398.	12.8	118
9	Does climate directly influence <i>NPP</i> globally?. <i>Global Change Biology</i> , 2016, 22, 12-24.	9.5	98
10	Climate and plant trait strategies determine tree carbon allocation to leaves and mediate future forest productivity. <i>Global Change Biology</i> , 2019, 25, 3395-3405.	9.5	53
11	The Causes of Leaf Hydraulic Vulnerability and Its Influence on Gas Exchange in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2018, 178, 1584-1601.	4.8	50
12	Canopy-scale relationships between foliar nitrogen and albedo are not observed in leaf reflectance and transmittance within temperate deciduous tree species. <i>Botany</i> , 2011, 89, 491-497.	1.0	47
13	Predicting shifts in the functional composition of tropical forests under increased drought and CO_2 from trade-offs among plant hydraulic traits. <i>Ecology Letters</i> , 2019, 22, 67-77.	6.4	43
14	Predicting Stomatal Closure and Turgor Loss in Woody Plants Using Predawn and Midday Water Potential. <i>Plant Physiology</i> , 2020, 184, 881-894.	4.8	39
15	An extensive suite of functional traits distinguishes Hawaiian wet and dry forests and enables prediction of species vital rates. <i>Functional Ecology</i> , 2019, 33, 712-734.	3.6	37
16	Osmotic and hydraulic adjustment of mangrove saplings to extreme salinity. <i>Tree Physiology</i> , 2016, 36, 1562-1572.	3.1	36
17	Stronger seasonal adjustment in leaf turgor loss point in lianas than trees in an Amazonian forest. <i>Biology Letters</i> , 2017, 13, 20160819.	2.3	32
18	Leaf drought tolerance cannot be inferred from classic leaf traits in a tropical rainforest. <i>Journal of Ecology</i> , 2020, 108, 1030-1045.	4.0	29

#	ARTICLE	IF	CITATIONS
19	Causes of variation in leaf-level drought tolerance within an Amazonian forest. <i>The Journal of Plant Hydraulics</i> , 0, 3, e004.	1.0	29
20	Dry-season decline in tree sapflux is correlated with leaf turgor loss point in a tropical rainforest. <i>Functional Ecology</i> , 2018, 32, 2285-2297.	3.6	22
21	Disentangling the functional trait correlates of spatial aggregation in tropical forest trees. <i>Ecology</i> , 2019, 100, e02591.	3.2	22
22	Evolution of leaf structure and drought tolerance in species of Californian <i>Ceanothus</i> . <i>American Journal of Botany</i> , 2018, 105, 1672-1687.	1.7	20
23	Variation in foliar nitrogen and albedo in response to nitrogen fertilization and elevated CO ₂ . <i>Oecologia</i> , 2012, 169, 915-925.	2.0	19
24	Seedling response to water stress in valley oak (<i>Quercus lobata</i>) is shaped by different gene networks across populations. <i>Molecular Ecology</i> , 2019, 28, 5248-5264.	3.9	19
25	Correlated evolution in traits influencing leaf water balance in <i>Dendrobium</i> (Orchidaceae). <i>Plant Ecology</i> , 2014, 215, 1255-1267.	1.6	16
26	Temperature and evaporative demand drive variation in stomatal and hydraulic traits across grape cultivars. <i>Journal of Experimental Botany</i> , 2021, 72, 1995-2009.	4.8	15
27	Root pressure-volume curve traits capture rootstock drought tolerance. <i>Annals of Botany</i> , 2022, 129, 389-402.	2.9	13
28	Covariation between leaf hydraulics and biomechanics is driven by leaf density in Mediterranean shrubs. <i>Trees - Structure and Function</i> , 2019, 33, 507-519.	1.9	9
29	Coordination Between Phloem Loading and Structure Maintains Carbon Transport Under Drought. <i>Frontiers in Plant Science</i> , 2022, 13, 787837.	3.6	5
30	Cycads defy expectations for the coordination between drought and mechanical resistance. A commentary on: "Correlations between leaf economics, mechanical resistance and drought tolerance across 41 cycad species". <i>Annals of Botany</i> , 2022, , .	2.9	1