Lisa Patrick Bentley

List of Publications by Year
in descending order

34 papers	2,135 citations	304368 22 h-index	377514 34 g-index
36 all docs	36 docs citations	36 times ranked	4041 citing authors

#	Article	IF	Citations
1	Comparing Remote Sensing and Field-Based Approaches to Estimate Ladder Fuels and Predict Wildfire Burn Severity. Frontiers in Forests and Global Change, 2022, 5, .	1.0	7
2	Functional susceptibility of tropical forests to climate change. Nature Ecology and Evolution, 2022, 6, 878-889.	3.4	8
3	Improving landscapeâ€scale productivity estimates by integrating traitâ€based models and remotelyâ€sensed foliarâ€trait and canopyâ€structural data. Ecography, 2022, 2022, .	2.1	4
4	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122.	4.6	38
5	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. Biological Conservation, 2021, 253, 108889.	1.9	42
6	Terrestrial laser scanning to reconstruct branch architecture from harvested branches. Methods in Ecology and Evolution, 2021, 12, 2487-2500.	2.2	10
7	The Potential of Multispectral Imagery and 3D Point Clouds from Unoccupied Aerial Systems (UAS) for Monitoring Forest Structure and the Impacts of Wildfire in Mediterranean-Climate Forests. Remote Sensing, 2021, 13, 3810.	1.8	14
8	Terrestrial laser scanning in forest ecology: Expanding the horizon. Remote Sensing of Environment, 2020, 251, 112102.	4.6	208
9	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. Frontiers in Forests and Global Change, 2020, 3, .	1.0	19
10	The World's Tallest Tropical Tree in Three Dimensions. Frontiers in Forests and Global Change, 2019, 2, .	1.0	38
11	Estimating architecture-based metabolic scaling exponents of tropical trees using terrestrial LiDAR and 3D modelling. Forest Ecology and Management, 2019, 439, 132-145.	1.4	39
12	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. Frontiers in Earth Science, 2019, 7, .	0.8	19
13	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. Science Advances, 2019, 5, eaaw8114.	4.7	51
14	Climate shapes and shifts functional biodiversity in forests worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 587-592.	3.3	131
15	Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. Frontiers in Plant Science, 2019, 10, 1810.	1.7	23
16	New perspectives on the ecology of tree structure and tree communities through terrestrial laser scanning. Interface Focus, 2018, 8, 20170052.	1.5	76
17	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andesâ€“Amazon elevation gradient. Journal of Ecology, 2018, 106, 1683-1699.	1.9	18
18	Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. Trees - Structure and Function, 2018, 32, 1219-1231.	0.9	90

#	Article	IF	Citations
19	Predicting traitâ€environment relationships for venation networks along an Andesâ€Amazon elevation gradient. Ecology, 2017, 98, 1239-1255.	1.5	31
20	Altitude effect on leaf wax carbon isotopic composition in humid tropical forests. Geochimica Et Cosmochimica Acta, 2017, 206, 1-17.	1.6	46
21	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. Ecology Letters, 2017, 20, 730-740.	3.0	100
22	Assessing traitâ€based scaling theory in tropical forests spanning a broad temperature gradient. Global Ecology and Biogeography, 2017, 26, 1357-1373.	2.7	57
23	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. New Phytologist, 2017, 214, 973-988.	3.5	57
24	Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly. Ecology and Evolution, 2016, 6, 5674-5689.	0.8	26
25	Production of leaf wax n-alkanes across a tropical forest elevation transect. Organic Geochemistry, 2016, 100, 89-100.	0.9	68
26	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. Geochimica Et Cosmochimica Acta, 2016, 182, 155-172.	1.6	94
27	Quantifying ecological memory in plant and ecosystem processes. Ecology Letters, 2015, 18, 221-235.	3.0	324
28	Quantifying the timescales over which exogenous and endogenous conditions affect soil respiration. New Phytologist, 2014, 202, 442-454.	3.5	40
29	Inclusion of vein traits improves predictive power for the leaf economic spectrum: a response to Sack et al. (2013). Journal of Experimental Botany, 2014, 65, 5109-5114.	2.4	19
30	An empirical assessment of tree branching networks and implications for plant allometric scaling models. Ecology Letters, 2013, 16, 1069-1078.	3.0	89
31	Allometric Convergence in Savanna Trees and Implications for the Use of Plant Scaling Models in Variable Ecosystems. PLoS ONE, 2013, 8, e58241.	1.1	26
32	Differential daytime and nightâ€time stomatal behavior in plants from North American deserts. New Phytologist, 2012, 194, 464-476.	3.5	99
33	Venation networks and the origin of the leaf economics spectrum. Ecology Letters, 2011, 14, 91-100.	3.0	192
34	Response to Coomes & Allen (2009)â€˜Testing the metabolic scaling theory of tree growthâ€™. Journal of Ecology, 2011, 99, 741-747.	1.9	9