

# Lisa Patrick Bentley

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Quantifying ecological memory in plant and ecosystem processes. <i>Ecology Letters</i> , 2015, 18, 221-235.	3.0	324
2	Terrestrial laser scanning in forest ecology: Expanding the horizon. <i>Remote Sensing of Environment</i> , 2020, 251, 112102.	4.6	208
3	Venation networks and the origin of the leaf economics spectrum. <i>Ecology Letters</i> , 2011, 14, 91-100.	3.0	192
4	Climate shapes and shifts functional biodiversity in forests worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 587-592.	3.3	131
5	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , 2017, 20, 730-740.	3.0	100
6	Differential daytime and nighttime stomatal behavior in plants from North American deserts. <i>New Phytologist</i> , 2012, 194, 464-476.	3.5	99
7	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 155-172.	1.6	94
8	Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. <i>Trees - Structure and Function</i> , 2018, 32, 1219-1231.	0.9	90
9	An empirical assessment of tree branching networks and implications for plant allometric scaling models. <i>Ecology Letters</i> , 2013, 16, 1069-1078.	3.0	89
10	New perspectives on the ecology of tree structure and tree communities through terrestrial laser scanning. <i>Interface Focus</i> , 2018, 8, 20170052.	1.5	76
11	Production of leaf wax n-alkanes across a tropical forest elevation transect. <i>Organic Geochemistry</i> , 2016, 100, 89-100.	0.9	68
12	Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <i>Global Ecology and Biogeography</i> , 2017, 26, 1357-1373.	2.7	57
13	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. <i>New Phytologist</i> , 2017, 214, 973-988.	3.5	57
14	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. <i>Science Advances</i> , 2019, 5, eaaw8114.	4.7	51
15	Altitude effect on leaf wax carbon isotopic composition in humid tropical forests. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 206, 1-17.	1.6	46
16	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , 2021, 253, 108889.	1.9	42
17	Quantifying the timescales over which exogenous and endogenous conditions affect soil respiration. <i>New Phytologist</i> , 2014, 202, 442-454.	3.5	40
18	Estimating architecture-based metabolic scaling exponents of tropical trees using terrestrial LiDAR and 3D modelling. <i>Forest Ecology and Management</i> , 2019, 439, 132-145.	1.4	39

#	ARTICLE	IF	CITATIONS
19	The World's Tallest Tropical Tree in Three Dimensions. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	38
20	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 252, 112122.	4.6	38
21	Predicting trait-environment relationships for venation networks along an Andes-Amazon elevation gradient. <i>Ecology</i> , 2017, 98, 1239-1255.	1.5	31
22	Allometric Convergence in Savanna Trees and Implications for the Use of Plant Scaling Models in Variable Ecosystems. <i>PLoS ONE</i> , 2013, 8, e58241.	1.1	26
23	Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly. <i>Ecology and Evolution</i> , 2016, 6, 5674-5689.	0.8	26
24	Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. <i>Frontiers in Plant Science</i> , 2019, 10, 1810.	1.7	23
25	Inclusion of vein traits improves predictive power for the leaf economic spectrum: a response to Sack et al. (2013). <i>Journal of Experimental Botany</i> , 2014, 65, 5109-5114.	2.4	19
26	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	19
27	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	19
28	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andes-Amazon elevation gradient. <i>Journal of Ecology</i> , 2018, 106, 1683-1699.	1.9	18
29	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. <i>Remote Sensing</i> , 2021, 13, 3810.	1.8	14
30	Terrestrial laser scanning to reconstruct branch architecture from harvested branches. <i>Methods in Ecology and Evolution</i> , 2021, 12, 2487-2500.	2.2	10
31	Response to Coomes & Allen (2009) "Testing the metabolic scaling theory of tree growth". <i>Journal of Ecology</i> , 2011, 99, 741-747.	1.9	9
32	Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.	3.4	8
33	Comparing Remote Sensing and Field-Based Approaches to Estimate Ladder Fuels and Predict Wildfire Burn Severity. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	1.0	7
34	Improving landscape-scale productivity estimates by integrating trait-based models and remotely sensed foliar trait and canopy structural data. <i>Ecography</i> , 2022, 2022, .	2.1	4