Alexander F Shenkin

List of Publications by Year
in descending order

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56	1,755	218381	301761
papers	citations	26 h-index	39 g-index

63	63	63	3012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. Trees - Structure and Function, 2018, 32, 1219-1231.	0.9	90
4	Rapid tree carbon stock recovery in managed Amazonian forests. Current Biology, 2015, 25, R787-R788.	1.8	88
5	New perspectives on the ecology of tree structure and tree communities through terrestrial laser scanning. Interface Focus, 2018, 8, 20170052.	1.5	76
6	Production of leaf wax n-alkanes across a tropical forest elevation transect. Organic Geochemistry, 2016, 100, 89-100.	0.9	68
7	Assessing traitâ€based scaling theory in tropical forests spanning a broad temperature gradient. Global Ecology and Biogeography, 2017, 26, 1357-1373.	2.7	57
8	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. New Phytologist, 2017, 214, 973-988.	3.5	57
9	Finite element analysis of trees in the wind based on terrestrial laser scanning data. Agricultural and Forest Meteorology, 2019, 265, 137-144.	1.9	54
10	Variation in leaf wettability traits along a tropical montane elevation gradient. New Phytologist, 2017, 214, 989-1001.	3.5	51
11	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. Science Advances, 2019, 5, eaaw8114.	4.7	51
12	The Tropical managed Forests Observatory: a research network addressing the future of tropical logged forests. Applied Vegetation Science, 2015, 18, 171-174.	0.9	47
13	Can timber provision from Amazonian production forests be sustainable?. Environmental Research Letters, 2019, 14, 064014.	2.2	47
14	Time for a Plant Structural Economics Spectrum. Frontiers in Forests and Global Change, 2019, 2, .	1.0	47
15	Altitude effect on leaf wax carbon isotopic composition in humid tropical forests. Geochimica Et Cosmochimica Acta, 2017, 206, 1-17.	1.6	46
16	Carbon recovery dynamics following disturbance by selective logging in Amazonian forests. ELife, 2016, 5, .	2.8	45
17	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. Biological Conservation, 2021, 253, 108889.	1.9	42
18	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

#	Article	IF	Citations
19	The World's Tallest Tropical Tree in Three Dimensions. Frontiers in Forests and Global Change, 2019, 2, .	1.0	38
20	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122.	4.6	38
21	Quantifying tropical forest structure through terrestrial and UAV laser scanning fusion in Australian rainforests. Remote Sensing of Environment, 2022, 271, 112912.	4.6	38
22	Tropical forest light regimes in a humanâ€modified landscape. Ecosphere, 2017, 8, e02002.	1.0	36
23	Fates of trees damaged by logging in Amazonian Bolivia. Forest Ecology and Management, 2015, 357, 50-59.	1.4	33
24	A Research Agenda for Microclimate Ecology in Human-Modified Tropical Forests. Frontiers in Forests and Global Change, 2020, 2, .	1.0	33
25	An architectural understanding of natural sway frequencies in trees. Journal of the Royal Society Interface, 2019, 16, 20190116.	1.5	32
26	Predicting traitâ€environment relationships for venation networks along an Andesâ€Amazon elevation gradient. Ecology, 2017, 98, 1239-1255.	1.5	31
27	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
28	Tallo: A global tree allometry and crown architecture database. Global Change Biology, 2022, 28, 5254-5268.	4.2	24
29	Tropical forest leaves may darken in response to climate change. Nature Ecology and Evolution, 2018, 2, 1918-1924.	3.4	23
30	Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. Frontiers in Plant Science, 2019, 10, 1810.	1.7	23
31	Connectivity and Resilience: A Multidimensional Analysis of Infrastructure Impacts in the Southwestern Amazon. Social Indicators Research, 2012, 106, 259-285.	1.4	20
32	A New Architectural Perspective on Wind Damage in a Natural Forest. Frontiers in Forests and Global Change, 2019, 1, .	1.0	20
33	The mechanical stability of the worldâ€™s tallest broadleaf trees. Biotropica, 2021, 53, 110-120.	0.8	20
34	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. Frontiers in Earth Science, 2019, 7, .	0.8	19
35	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. Frontiers in Forests and Global Change, 2020, 3, .	1.0	19
36	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

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37	Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2952-2965.	1.3	17
38	Effects of road infrastructure on forest value across a tri-national Amazonian frontier. Biological Conservation, 2015, 191, 674-681.	1.9	16
39	Trade-offs among forest value components in community forests of southwestern Amazonia. Ecology and Society, 2014, 19, .	1.0	14
40	Interactive effects of tree size, crown exposure and logging on drought-induced mortality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20180189.	1.8	14
41	Three dimensional mapping of forest canopy equivalent water thickness using dual-wavelength terrestrial laser scanning. Agricultural and Forest Meteorology, 2019, 276-277, 107627.	1.9	13
42	Plant Structure-Function Relationships and Woody Tissue Respiration: Upscaling to Forests from Laser-Derived Measurements. Advances in Photosynthesis and Respiration, 2017, , 89-105.	1.0	12
43	Understanding crown shyness from a 3-D perspective. Annals of Botany, 2021, 128, 725-736.	1.4	11
44	Terrestrial laser scanning to reconstruct branch architecture from harvested branches. Methods in Ecology and Evolution, 2021, 12, 2487-2500.	2.2	10
45	Functional susceptibility of tropical forests to climate change. Nature Ecology and Evolution, 2022, 6, 878-889.	3.4	8
46	Infrastructure Upgrades and Ruralâ€“Urban Connectivity: Distance Disparities in a Tri-National Frontier in the Amazon. Professional Geographer, 2013, 65, 103-115.	1.0	7
47	Global Integration and Local Connectivity: Trans-boundary Highway Paving and Rural-Urban Ties in the Southwestern Amazon. Journal of Latin American Geography, 2014, 13, 205-239.	0.0	6
48	Rapid tree carbon stock recovery in managed Amazonian forests. Current Biology, 2015, 25, 2738.	1.8	6
49	Trans-boundary infrastructure, access connectivity, and household land use in a tri-national frontier in the Southwestern Amazon. Journal of Land Use Science, 2015, 10, 342-368.	1.0	5
50	Modern pollen rain predicts shifts in plant trait composition but not plant diversity along the Andesâ€“Amazon elevational gradient. Journal of Vegetation Science, 2021, 32, e12925.	1.1	5
51	Private and communal lands? The ramifications of ambiguous resource tenure and regional integration in Northern Bolivia. International Journal of the Commons, 2014, 8, 179.	0.6	5
52	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
53	Individual tree detection and crown segmentation based on metabolic theory from airborne laser scanning data. Journal of Applied Remote Sensing, 2021, 15, .	0.6	3
54	Predicting tropical tree mortality with leaf spectroscopy. Biotropica, 2021, 53, 581-595.	0.8	3

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55	Quantifying Tropical Forest Stand Structure Through Terrestrial and UAV Laser Scanning Fusion. , 2021, , .		2
56	Spatial pattern analysis of forest trees based on the vectorial mark. Journal of Forestry Research, 2022, 33, 1301-1315.	1.7	1