

# Alexander F Shenkin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

1,035  
citations

19  
h-index

30  
g-index

63  
ext. papers

1,440  
ext. citations

5.3  
avg, IF

4  
L-index

#	Paper	IF	Citations
53	Quantifying tropical forest structure through terrestrial and UAV laser scanning fusion in Australian rainforests. <i>Remote Sensing of Environment</i> , <b>2022</b> , 271, 112912	13.2	2
52	Quantifying Tropical Forest Stand Structure Through Terrestrial and UAV Laser Scanning Fusion <b>2021</b> ,		1
51	Predicting tropical tree mortality with leaf spectroscopy. <i>Biotropica</i> , <b>2021</b> , 53, 581-595	2.3	1
50	Understanding crown shyness from a 3-D perspective. <i>Annals of Botany</i> , <b>2021</b> , 128, 725-736	4.1	3
49	Individual tree detection and crown segmentation based on metabolic theory from airborne laser scanning data. <i>Journal of Applied Remote Sensing</i> , <b>2021</b> , 15,	1.4	1
48	Modern pollen rain predicts shifts in plant trait composition but not plant diversity along the Andes-Amazon elevational gradient. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e12925	3.1	1
47	The mechanical stability of the world's tallest broadleaf trees. <i>Biotropica</i> , <b>2021</b> , 53, 110-120	2.3	7
46	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , <b>2021</b> , 252, 112122	13.2	15
45	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , <b>2021</b> , 253, 108889	6.2	12
44	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. <i>Frontiers in Forests and Global Change</i> , <b>2020</b> , 3,	3.7	3
43	A Research Agenda for Microclimate Ecology in Human-Modified Tropical Forests. <i>Frontiers in Forests and Global Change</i> , <b>2020</b> , 2,	3.7	12
42	Three dimensional mapping of forest canopy equivalent water thickness using dual-wavelength terrestrial laser scanning. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 276-277, 107627	5.8	8
41	The World's Tallest Tropical Tree in Three Dimensions. <i>Frontiers in Forests and Global Change</i> , <b>2019</b> , 2,	3.7	19
40	A New Architectural Perspective on Wind Damage in a Natural Forest. <i>Frontiers in Forests and Global Change</i> , <b>2019</b> , 1,	3.7	13
39	An architectural understanding of natural sway frequencies in trees. <i>Journal of the Royal Society Interface</i> , <b>2019</b> , 16, 20190116	4.1	17
38	Can timber provision from Amazonian production forests be sustainable?. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 064014	6.2	33
37	Estimating architecture-based metabolic scaling exponents of tropical trees using terrestrial LiDAR and 3D modelling. <i>Forest Ecology and Management</i> , <b>2019</b> , 439, 132-145	3.9	18

36	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	12
35	Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1810	6.2	10
34	Time for a Plant Structural Economics Spectrum. <i>Frontiers in Forests and Global Change</i> , <b>2019</b> , 2,	3.7	25
33	Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. <i>Science Advances</i> , <b>2019</b> , 5, eaaw8114	14.3	29
32	Finite element analysis of trees in the wind based on terrestrial laser scanning data. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 265, 137-144	5.8	35
31	New perspectives on the ecology of tree structure and tree communities through terrestrial laser scanning. <i>Interface Focus</i> , <b>2018</b> , 8, 20170052	3.9	44
30	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andes-Amazon elevation gradient. <i>Journal of Ecology</i> , <b>2018</b> , 106, 1683-1699	6	8
29	Tropical forest leaves may darken in response to climate change. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1918-1924	12.3	16
28	Interactive effects of tree size, crown exposure and logging on drought-induced mortality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	9
27	Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. <i>Trees - Structure and Function</i> , <b>2018</b> , 32, 1219-1231	2.6	51
26	Predicting trait-environment relationships for venation networks along an Andes-Amazon elevation gradient. <i>Ecology</i> , <b>2017</b> , 98, 1239-1255	4.6	20
25	Altitude effect on leaf wax carbon isotopic composition in humid tropical forests. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 206, 1-17	5.5	36
24	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , <b>2017</b> , 20, 730-740	10	62
23	Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 2952-2965	3.7	10
22	Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 1357-1373	6.1	29
21	Tropical forest light regimes in a human-modified landscape. <i>Ecosphere</i> , <b>2017</b> , 8, e02002	3.1	17
20	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. <i>New Phytologist</i> , <b>2017</b> , 214, 973-988	9.8	40
19	Variation in leaf wettability traits along a tropical montane elevation gradient. <i>New Phytologist</i> , <b>2017</b> , 214, 989-1001	9.8	35

18	Plant Structure-Function Relationships and Woody Tissue Respiration: Upscaling to Forests from Laser-Derived Measurements. <i>Advances in Photosynthesis and Respiration</i> , <b>2017</b> , 89-105	1.7	8
17	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> , <b>2016</b> , 6, 5674-89	2.8	18
16	Production of leaf wax n-alkanes across a tropical forest elevation transect. <i>Organic Geochemistry</i> , <b>2016</b> , 100, 89-100	3.1	49
15	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. <i>Geochimica Et Cosmochimica Acta</i> , <b>2016</b> , 182, 155-172	5.5	68
14	Carbon recovery dynamics following disturbance by selective logging in Amazonian forests. <i>ELife</i> , <b>2016</b> , 5,	8.9	35
13	Rapid tree carbon stock recovery in managed Amazonian forests. <i>Current Biology</i> , <b>2015</b> , 25, R787-8	6.3	73
12	Trans-boundary infrastructure, access connectivity, and household land use in a tri-national frontier in the Southwestern Amazon. <i>Journal of Land Use Science</i> , <b>2015</b> , 10, 342-368	2.7	4
11	Effects of road infrastructure on forest value across a tri-national Amazonian frontier. <i>Biological Conservation</i> , <b>2015</b> , 191, 674-681	6.2	9
10	Fates of trees damaged by logging in Amazonian Bolivia. <i>Forest Ecology and Management</i> , <b>2015</b> , 357, 50-59	3.9	25
9	The Tropical managed Forests Observatory: a research network addressing the future of tropical logged forests. <i>Applied Vegetation Science</i> , <b>2015</b> , 18, 171-174	3.3	40
8	Rapid tree carbon stock recovery in managed Amazonian forests. <i>Current Biology</i> , <b>2015</b> , 25, 2738	6.3	6
7	Trade-offs among forest value components in community forests of southwestern Amazonia. <i>Ecology and Society</i> , <b>2014</b> , 19,	4.1	14
6	Global Integration and Local Connectivity: Trans-boundary Highway Paving and Rural-Urban Ties in the Southwestern Amazon. <i>Journal of Latin American Geography</i> , <b>2014</b> , 13, 205-239	0.9	5
5	Private and communal lands? The ramifications of ambiguous resource tenure and regional integration in Northern Bolivia. <i>International Journal of the Commons</i> , <b>2014</b> , 8, 179	2.2	3
4	Infrastructure Upgrades and Rural-Urban Connectivity: Distance Disparities in a Tri-National Frontier in the Amazon. <i>Professional Geographer</i> , <b>2013</b> , 65, 103-115	1.7	5
3	Connectivity and Resilience: A Multidimensional Analysis of Infrastructure Impacts in the Southwestern Amazon. <i>Social Indicators Research</i> , <b>2012</b> , 106, 259-285	2.7	16
2	The mechanical stability of the world's tallest broadleaf trees		1
1	Spatial pattern analysis of forest trees based on the vectorial mark. <i>Journal of Forestry Research</i> , 1	2	

