Phil Wilkes

List of Publications by Year
in descending order

25 papers	1,309 citations	471509 17 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	1838 citing authors

#	Article	IF	Citations
1	Volumetric overestimation of small branches in 3D reconstructions of <i>Fraxinus excelsior</i>. Silva Fennica, 2022, 56, .	1.3	20
2	Quantifying tropical forest structure through terrestrial and UAV laser scanning fusion in Australian rainforests. Remote Sensing of Environment, 2022, 271, 112912.	11.0	38
3	Comparing Remote Sensing and Field-Based Approaches to Estimate Ladder Fuels and Predict Wildfire Burn Severity. Frontiers in Forests and Global Change, 2022, 5, .	2.3	7
4	The mechanical stability of the worldâ€™s tallest broadleaf trees. Biotropica, 2021, 53, 110-120.	1.6	20
5	LiDAR-derived digital holograms for automotive head-up displays. Optics Express, 2021, 29, 13681.	3.4	13
6	Terrestrial laser scanning to reconstruct branch architecture from harvested branches. Methods in Ecology and Evolution, 2021, 12, 2487-2500.	5.2	10
7	Quantifying Tropical Forest Stand Structure Through Terrestrial and UAV Laser Scanning Fusion. , 2021, , .		2
8	Terrestrial laser scanning in forest ecology: Expanding the horizon. Remote Sensing of Environment, 2020, 251, 112102.	11.0	208
9	New 3D measurements of large redwood trees for biomass and structure. Scientific Reports, 2020, 10, 16721.	3.3	22
10	Quantifying urban forest structure with open-access remote sensing data sets. Urban Forestry and Urban Greening, 2020, 50, 126653.	5.3	31
11	The World's Tallest Tropical Tree in Three Dimensions. Frontiers in Forests and Global Change, 2019, 2, .	2.3	38
12	An architectural understanding of natural sway frequencies in trees. Journal of the Royal Society Interface, 2019, 16, 20190116.	3.4	32
13	Leaf and wood classification framework for terrestrial LiDAR point clouds. Methods in Ecology and Evolution, 2019, 10, 680-694.	5.2	98
14	Weighing trees with lasers: advances, challenges and opportunities. Interface Focus, 2018, 8, 20170048.	3.0	120
15	Estimating urban above ground biomass with multi-scale LiDAR. Carbon Balance and Management, 2018, 13, 10.	3.2	60
16	Data acquisition considerations for Terrestrial Laser Scanning of forest plots. Remote Sensing of Environment, 2017, 196, 140-153.	11.0	229
17	Validating canopy clumping retrieval methods using hemispherical photography in a simulated Eucalypt forest. Agricultural and Forest Meteorology, 2017, 247, 181-193.	4.8	16
18	Using discreteâ€return airborne laser scanning to quantify number of canopy strata across diverse forest types. Methods in Ecology and Evolution, 2016, 7, 700-712.	5.2	34

#	Article	IF	Citations
19	Quantifying the impact of woody material on leaf area index estimation from hemispherical photography using 3D canopy simulations. Agricultural and Forest Meteorology, 2016, 226-227, 1-12.	4.8	42
20	Understanding the Effects of ALS Pulse Density for Metric Retrieval across Diverse Forest Types. Photogrammetric Engineering and Remote Sensing, 2015, 81, 625-635.	0.6	29
21	Mapping Forest Canopy Height Across Large Areas by Upscaling ALS Estimates with Freely Available Satellite Data. Remote Sensing, 2015, 7, 12563-12587.	4.0	44
22	Understanding the variability in ground-based methods for retrieving canopy openness, gap fraction, and leaf area index in diverse forest systems. Agricultural and Forest Meteorology, 2015, 205, 83-95.	4.8	68
23	An improved theoretical model of canopy gap probability for Leaf Area Index estimation in woody ecosystems. Forest Ecology and Management, 2015, 358, 303-320.	3.2	37
24	Persistent reduced ecosystem respiration after insect disturbance in high elevation forests. Ecology Letters, 2013, 16, 731-737.	6.4	90
25	ATTRIBUTION AND CHARACTERISATION OF SCLEROPHYLL FORESTED LANDSCAPES OVER LARGE AREAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 673-676.	0.2	0