

Hao Tang

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,470
citations

279798

23
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377865

34
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docs citations

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times ranked

2517
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural network guided interpolation for mapping canopy height of China's forests by integrating GEDI and ICESat-2 data. <i>Remote Sensing of Environment</i> , 2022, 269, 112844.	11.0	68
2	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. <i>Remote Sensing of Environment</i> , 2022, 270, 112845.	11.0	108
3	Global evaluation of the Ecosystem Demography model (ED v3.0). <i>Geoscientific Model Development</i> , 2022, 15, 1971-1994.	3.6	7
4	Large loss and rapid recovery of vegetation cover and aboveground biomass over forest areas in Australia during 2019–2020. <i>Remote Sensing of Environment</i> , 2022, 278, 113087.	11.0	26
5	Mapping global forest canopy height through integration of GEDI and Landsat data. <i>Remote Sensing of Environment</i> , 2021, 253, 112165.	11.0	436
6	High-resolution forest carbon mapping for climate mitigation baselines over the RGGI region, USA. <i>Environmental Research Letters</i> , 2021, 16, 035011.	5.2	12
7	High-resolution forest carbon modelling for climate mitigation planning over the RGGI region, USA. <i>Environmental Research Letters</i> , 2021, 16, 045014.	5.2	11
8	Context and future directions for integrating forest carbon into sub-national climate mitigation planning in the RGGI region of the U.S.. <i>Environmental Research Letters</i> , 2021, 16, 063001.	5.2	6
9	Vapor Pressure Deficit and Sunlight Explain Seasonality of Leaf Phenology and Photosynthesis Across Amazonian Evergreen Broadleaved Forest. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006893.	4.9	31
10	Annual Maps of Forests in Australia from Analyses of Microwave and Optical Images with FAO Forest Definition. <i>Journal of Remote Sensing</i> , 2021, 2021, .	6.7	3
11	The NASA AfriSAR campaign: Airborne SAR and lidar measurements of tropical forest structure and biomass in support of current and future space missions. <i>Remote Sensing of Environment</i> , 2021, 264, 112533.	11.0	33
12	Challenges to aboveground biomass prediction from waveform lidar. <i>Environmental Research Letters</i> , 2021, 16, 125013.	5.2	9
13	Evaluating the potential of full-waveform lidar for mapping pan-tropical tree species richness. <i>Global Ecology and Biogeography</i> , 2020, 29, 1799-1816.	5.8	31
14	Detecting Change in Forest Structure with Simulated GEDI Lidar Waveforms: A Case Study of the Hemlock Woolly Adelgid (HWA; <i>Adelges tsugae</i>) Infestation. <i>Remote Sensing</i> , 2020, 12, 1304.	4.0	25
15	The Global Ecosystem Dynamics Investigation: High-resolution laser ranging of the Earth's forests and topography. <i>Science of Remote Sensing</i> , 2020, 1, 100002.	4.8	429
16	Exploring the relation between remotely sensed vertical canopy structure and tree species diversity in Gabon. <i>Environmental Research Letters</i> , 2019, 14, 094013.	5.2	20
17	From small-scale forest structure to Amazon-wide carbon estimates. <i>Nature Communications</i> , 2019, 10, 5088.	12.8	25
18	High-resolution mapping of aboveground biomass for forest carbon monitoring system in the Tri-State region of Maryland, Pennsylvania and Delaware, USA. <i>Environmental Research Letters</i> , 2019, 14, 095002.	5.2	38

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19	Definition and measurement of tree cover: A comparative analysis of field-, lidar- and landsat-based tree cover estimations in the Sierra national forests, USA. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 258-268.	4.8	24
20	Characterizing global forest canopy cover distribution using spaceborne lidar. <i>Remote Sensing of Environment</i> , 2019, 231, 111262.	11.0	79
21	The GEDI Simulator: A Large-footprint Waveform Lidar Simulator for Calibration and Validation of Spaceborne Missions. <i>Earth and Space Science</i> , 2019, 6, 294-310.	2.6	140
22	Beyond MRV: high-resolution forest carbon modeling for climate mitigation planning over Maryland, USA. <i>Environmental Research Letters</i> , 2019, 14, 045013.	5.2	34
23	Improved forest height estimation by fusion of simulated GEDI Lidar data and TanDEM-X InSAR data. <i>Remote Sensing of Environment</i> , 2019, 221, 621-634.	11.0	74
24	Distinguishing vegetation types with airborne waveform lidar data in a tropical forest-savanna mosaic: A case study in Lopé National Park, Gabon. <i>Remote Sensing of Environment</i> , 2018, 216, 626-634.	11.0	34
25	Light-driven growth in Amazon evergreen forests explained by seasonal variations of vertical canopy structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2640-2644.	7.1	99
26	Characterizing leaf area index (LAI) and vertical foliage profile (VFP) over the United States. <i>Biogeosciences</i> , 2016, 13, 239-252.	3.3	23
27	Voxel-Based Spatial Filtering Method for Canopy Height Retrieval from Airborne Single-Photon Lidar. <i>Remote Sensing</i> , 2016, 8, 771.	4.0	39
28	A Lidar-Radar Framework to Assess the Impact of Vertical Forest Structure on Interferometric Coherence. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 5830-5841.	4.9	13
29	Rapid, High-Resolution Forest Structure and Terrain Mapping over Large Areas using Single Photon Lidar. <i>Scientific Reports</i> , 2016, 6, 28277.	3.3	109
30	Local discrepancies in continental scale biomass maps: a case study over forested and non-forested landscapes in Maryland, USA. <i>Carbon Balance and Management</i> , 2015, 10, 19.	3.2	31
31	Deriving and validating Leaf Area Index (LAI) at multiple spatial scales through lidar remote sensing: A case study in Sierra National Forest, CA. <i>Remote Sensing of Environment</i> , 2014, 143, 131-141.	11.0	145
32	Large-scale retrieval of leaf area index and vertical foliage profile from the spaceborne waveform lidar (GLAS/ICESat). <i>Remote Sensing of Environment</i> , 2014, 154, 8-18.	11.0	66
33	A comparison of foliage profiles in the Sierra National Forest obtained with a full-waveform under-canopy EVI lidar system with the foliage profiles obtained with an airborne full-waveform LVIS lidar system. <i>Remote Sensing of Environment</i> , 2013, 136, 330-341.	11.0	30
34	Retrieval of vertical LAI profiles over tropical rain forests using waveform lidar at La Selva, Costa Rica. <i>Remote Sensing of Environment</i> , 2012, 124, 242-250.	11.0	202
35	ACCURACY ASSESSMENT OF LANDSAT-DERIVED CONTINUOUS FIELDS OF TREE COVER PRODUCTS USING AIRBORNE LIDAR DATA IN THE EASTERN UNITED STATES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-7/W4, 241-246.	0.2	7