Wenli Huang

List of Publications by Year
in descending order

44 papers	970 citations	623734 14 h-index	552781 26 g-index
45 all docs	45 docs citations	45 times ranked	1301 citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and robust monitoring of flood events using Sentinel-1 and Landsat data on the Google Earth Engine. Remote Sensing of Environment, 2020, 240, 111664.	11.0	224
2	Automated Extraction of Surface Water Extent from Sentinel-1 Data. Remote Sensing, 2018, 10, 797.	4.0	150
3	Automated Quantification of Surface Water Inundation in Wetlands Using Optical Satellite Imagery. Remote Sensing, 2017, 9, 807.	4.0	91
4	Mapping biomass change after forest disturbance: Applying LiDAR footprint-derived models at key map scales. Remote Sensing of Environment, 2013, 134, 319-332.	11.0	71
5	An evaluation of Landsat, Sentinel-2, Sentinel-1 and MODIS data for crop type mapping. Science of Remote Sensing, 2021, 3, 100018.	4.8	48
6	Estimating Forest Stock Volume in Hunan Province, China, by Integrating In Situ Plot Data, Sentinel-2 Images, and Linear and Machine Learning Regression Models. Remote Sensing, 2020, 12, 186.	4.0	44
7	High-resolution mapping of aboveground biomass for forest carbon monitoring system in the Tri-State region of Maryland, Pennsylvania and Delaware, USA. Environmental Research Letters, 2019, 14, 095002.	5.2	38
8	Sensitivity of Multi-Source SAR Backscatter to Changes in Forest Aboveground Biomass. Remote Sensing, 2015, 7, 9587-9609.	4.0	31
9	Local discrepancies in continental scale biomass maps: a case study over forested and non-forested landscapes in Maryland, USA. Carbon Balance and Management, 2015, 10, 19.	3.2	31
10	Implications of allometric model selection for county-level biomass mapping. Carbon Balance and Management, 2017, 12, 18.	3.2	31
11	Mapping the Tohoku forearc: Implications for the mechanism of the 2011 East Japan earthquake (Mw) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	23
12	Retrieval of Forest Biomass From ALOS PALSAR Data Using a Lookup Table Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 875-886.	4.9	20
13	Biomass retrieval from L-band polarimetric UAVSAR backscatter and PRISM stereo imagery. Remote Sensing of Environment, 2017, 194, 331-346.	11.0	18
14	Estimating aboveground live understory vegetation carbon in the United States. Environmental Research Letters, 2017, 12, 125010.	5.2	17
15	Forest height mapping using inventory and multi-source satellite data over Hunan Province in southern China. Forest Ecosystems, 2022, 9, 100006.	3.1	15
16	County-scale biomass map comparison: a case study for Sonoma, California. Carbon Management, 2017, 8, 417-434.	2.4	12
17	Model-Based Analysis of the Influence of Forest Structures on the Scattering Phase Center at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3937-3946.	6.3	11
18	An Unsupervised Scattering Mechanism Classification Method for PolSAR Images. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1677-1681.	3.1	11

#	ARTICLE	IF	CITATIONS
19	High-resolution forest carbon modelling for climate mitigation planning over the RGGI region, USA. Environmental Research Letters, 2021, 16, 045014.	5.2	11
20	Aerial Image Mosaicking with the Aid of Vector Roads. Photogrammetric Engineering and Remote Sensing, 2012, 78, 1141-1150.	0.6	10
21	Identifying Urban Wetlands through Remote Sensing Scene Classification Using Deep Learning: A Case Study of Shenzhen, China. ISPRS International Journal of Geo-Information, 2022, 11, 131.	2.9	10
22	An Adaptive Thresholding Approach toward Rapid Flood Coverage Extraction from Sentinel-1 SAR Imagery. Remote Sensing, 2021, 13, 4899.	4.0	10
23	Remote Sensing Image Classification Using Deepâ€"Shallow Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3070-3083.	4.9	8
24	A decomposition-free scattering mechanism classification method for PolSAR images with Neumannâ€™s model. Remote Sensing Letters, 2013, 4, 1176-1184.	1.4	7
25	Automated extraction of inland surface water extent from Sentinel-1 data. , 2017, , .		6
26	Biomass retrieval based on UAVSAR polarimetric data. , 2010, , .		5
27	Sensor Compatibility for Biomass Change Estimation Using Remote Sensing Data Sets: Part of NASA's Carbon Monitoring System Initiative. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1511-1515.	3.1	5
28	Improved van Zyl Polarimetric Decomposition Lessening the Overestimation of Volume Scattering Power. Remote Sensing, 2014, 6, 6365-6385.	4.0	3
29	Mapping forest above-ground biomass and its changes from LVIS waveform data. , 2012, , .		2
30	Semi-automatic extraction of digital surface model using ALOS/PRISM data with ENVI. , 2012, , .		2
31	Adaptive polarimetric decomposition using incoherent ground scattering models without reflection symmetry assumption. Geo-Spatial Information Science, 2015, 18, 1-10.	5.3	2
32	Technique and methods for spatialization of socioeconomic data. , 2007, , .		1
33	Automatic farmland extraction from multi-temporal landsat TM data based on artificial neural network. , 2009, , .		1
34	Automatic Extraction of Flood Coverage Based on Dynamic Surface Water Extent and SAR Data. , 2020, , .		1
35	Extraction and evaluation of urban agriculture region based on RS and GIS: a case study in Beijing. Proceedings of SPIE, 2007, , .	0.8	0
36	The Research on Image Classification of Remote Sensing Based on an Improved Neural Network. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Classification of remotely sensed imagery using adjacent features based approach. , 2009, , .		0
38	Urban expansion simulation based on constrained Artificial Neural Network cellular automata model. , 2009, , .		0
39	Design and construction of Spatial Decision Support System database based on metadata. Proceedings of SPIE, 2009, , .	0.8	0
40	Biomass retrieval based on polarimetric target decomposition. , 2011, , .		0
41	Evaluation of different methods for forest regional biomass mapping from UAVSAR data. , 2012, , .		0
42	Sensitivity of multi-source SAR backscatter to changes of forest aboveground biomass. , 2013, , .		0
43	Contributors of the second edition. , 2020, , ix-xiii.		0
44	Mapping of Forest Height in Northwest Hunan, China Using Multi-Source Satellite Data. , 2021, , .		0