

Shalei Song

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.

24
papers

400
citations

11
h-index

19
g-index

24
ext. papers

500
ext. citations

5.4
avg, IF

3.31
L-index

#	Paper	IF	Citations
24	Target Classification of Similar Spatial Characteristics in Complex Urban Areas by Using Multispectral LiDAR. <i>Remote Sensing</i> , 2022 , 14, 238	5	4
23	Land Cover Classification with Multispectral LiDAR Based on Multi-Scale Spatial and Spectral Feature Selection. <i>Remote Sensing</i> , 2021 , 13, 4118	5	5
22	Using HSI Color Space to Improve the Multispectral Lidar Classification Error Caused by Measurement Geometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 3567-3579	8.1	5
21	Application of Hyperspectral LiDAR on 3-D Chlorophyll-Nitrogen Mapping of <i>Rohdea Japonica</i> in Laboratory. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	5
20	Multichannel Interconnection Decomposition for Hyperspectral LiDAR Waveforms Detected From Over 500 m. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	2
19	Novel Combined Spectral Indices Derived from Hyperspectral and Laser-Induced Fluorescence LiDAR Spectra for Leaf Nitrogen Contents Estimation of Rice. <i>Remote Sensing</i> , 2020 , 12, 185	5	3
18	A new waveform decomposition method for multispectral LiDAR. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 149, 40-49	11.8	18
17	Analyzing the Effect of Fluorescence Characteristics on Leaf Nitrogen Concentration Estimation. <i>Remote Sensing</i> , 2018 , 10, 1402	5	8
16	The application of time decay characteristics of laser-induced fluorescence in the classification of vegetation. <i>Luminescence</i> , 2017 , 32, 17-21	2.5	
15	Evaluation of hyperspectral LiDAR for monitoring rice leaf nitrogen by comparison with multispectral LiDAR and passive spectrometer. <i>Scientific Reports</i> , 2017 , 7, 40362	4.9	26
14	Corrections to A Combined Rotational Raman-Rayleigh Lidar for Atmospheric Temperature Measurements Over 580 km With Self-Calibration [Dec 16 7055-7065]. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1222-1222	8.1	
13	The characterization of plant species using first-derivative fluorescence spectra. <i>Luminescence</i> , 2017 , 32, 348-352	2.5	1
12	Multispectral LiDAR Point Cloud Classification: A Two-Step Approach. <i>Remote Sensing</i> , 2017 , 9, 373	5	25
11	Estimating Rice Leaf Nitrogen Concentration: Influence of Regression Algorithms Based on Passive and Active Leaf Reflectance. <i>Remote Sensing</i> , 2017 , 9, 951	5	32
10	Estimation of rice leaf nitrogen contents based on hyperspectral LIDAR. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016 , 44, 136-143	7.3	67
9	A Combined Rotational Raman-Rayleigh Lidar for Atmospheric Temperature Measurements Over 580 km With Self-Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 7055-7065	8.1	5
8	Joint observation results of Na layer and ionosphere in Wuhan during the Total Solar Eclipse. <i>Science China Earth Sciences</i> , 2016 , 59, 418-424	4.6	2

7	Estimating the leaf nitrogen content of paddy rice by using the combined reflectance and laser-induced fluorescence spectra. <i>Optics Express</i> , 2016 , 24, 19354-65	3.3	11
6	Analyzing the performance of fluorescence parameters in the monitoring of leaf nitrogen content of paddy rice. <i>Scientific Reports</i> , 2016 , 6, 28787	4.9	19
5	Investigating the Potential of Using the Spatial and Spectral Information of Multispectral LiDAR for Object Classification. <i>Sensors</i> , 2015 , 15, 21989-2002	3.8	23
4	Improving Backscatter Intensity Calibration for Multispectral LiDAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 1421-1425	4.1	20
3	Double sodium layers observation over Beijing, China. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	33
2	Wavelength selection and spectral discrimination for paddy rice, with laboratory measurements of hyperspectral leaf reflectance. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2011 , 66, 672-682	11.8	72
1	Signal simplification and cloud detection with an improved Douglas-Peucker algorithm for single-channel lidar. <i>Meteorology and Atmospheric Physics</i> , 2011 , 113, 89-97	2	14