Shalei Song

List of Publications by Citations

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	Wavelength selection and spectral discrimination for paddy rice, with laboratory measurements of hyperspectral leaf reflectance. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2011**, 66, 672-682	11.8	72
23	Estimation of rice leaf nitrogen contents based on hyperspectral LIDAR. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 44, 136-143	7.3	67
22	Double sodium layers observation over Beijing, China. *Geophysical Research Letters*, **2012**, 39,	4.9	33
21	Estimating Rice Leaf Nitrogen Concentration: Influence of Regression Algorithms Based on Passive and Active Leaf Reflectance. *Remote Sensing*, **2017**, 9, 951	5	32
20	Evaluation of hyperspectral LiDAR for monitoring rice leaf nitrogen by comparison with multispectral LiDAR and passive spectrometer. *Scientific Reports*, **2017**, 7, 40362	4.9	26
19	Multispectral LiDAR Point Cloud Classification: A Two-Step Approach. *Remote Sensing*, **2017**, 9, 373	5	25
18	Investigating the Potential of Using the Spatial and Spectral Information of Multispectral LiDAR for Object Classification. *Sensors*, **2015**, 15, 21989-2002	3.8	23
17	Improving Backscatter Intensity Calibration for Multispectral LiDAR. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 1421-1425	4.1	20
16	Analyzing the performance of fluorescence parameters in the monitoring of leaf nitrogen content of paddy rice. *Scientific Reports*, **2016**, 6, 28787	4.9	19
15	A new waveform decomposition method for multispectral LiDAR. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 149, 40-49	11.8	18
14	Signal simplification and cloud detection with an improved Douglas-Peucker algorithm for single-channel lidar. *Meteorology and Atmospheric Physics*, **2011**, 113, 89-97	2	14
13	Estimating the leaf nitrogen content of paddy rice by using the combined reflectance and laser-induced fluorescence spectra. *Optics Express*, **2016**, 24, 19354-65	3.3	11
12	Analyzing the Effect of Fluorescence Characteristics on Leaf Nitrogen Concentration Estimation. *Remote Sensing*, **2018**, 10, 1402	5	8
11	A Combined Rotational Raman–Rayleigh Lidar for Atmospheric Temperature Measurements Over 5–30 km With Self-Calibration. *IEEE Transactions on Geoscience and Remote Sensing*, **2016**, 54, 7055-7065	8.1	5
10	Land Cover Classification with Multispectral LiDAR Based on Multi-Scale Spatial and Spectral Feature Selection. *Remote Sensing*, **2021**, 13, 4118	5	5
9	Using HSI Color Space to Improve the Multispectral Lidar Classification Error Caused by Measurement Geometry. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 3567-3579	8.1	5
8	Application of Hyperspectral LiDAR on 3-D Chlorophyll-Nitrogen Mapping of Rohdea Japonica in Laboratory. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2021**, 1-1	4.7	5

7	Target Classification of Similar Spatial Characteristics in Complex Urban Areas by Using Multispectral LiDAR. *Remote Sensing*, **2022**, 14, 238	5	4
6	Novel Combined Spectral Indices Derived from Hyperspectral and Laser-Induced Fluorescence LiDAR Spectra for Leaf Nitrogen Contents Estimation of Rice. *Remote Sensing*, **2020**, 12, 185	5	3
5	Joint observation results of Na layer and ionosphere in Wuhan during the Total Solar Eclipse. *Science China Earth Sciences*, **2016**, 59, 418-424	4.6	2
4	Multichannel Interconnection Decomposition for Hyperspectral LiDAR Waveforms Detected From Over 500 m. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-14	8.1	2
3	The characterization of plant species using first-derivative fluorescence spectra. *Luminescence*, **2017**, 32, 348-352	2.5	1
2	The application of time decay characteristics of laser-induced fluorescence in the classification of vegetation. *Luminescence*, **2017**, 32, 17-21	2.5	
1	Corrections to A Combined Rotational Raman-Rayleigh Lidar for Atmospheric Temperature Measurements Over 5–30 km With Self-Calibration [Dec 16 7055-7065]. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 1222-1222	8.1	