

Shalei Song

List of Publications by Year in descending order

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papers

608
citations

623188

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676716

22
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24
all docs

24
docs citations

24
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.9	87
2	Estimation of rice leaf nitrogen contents based on hyperspectral LIDAR. International Journal of Applied Earth Observation and Geoinformation, 2016, 44, 136-143.	1.4	84
3	Estimating Rice Leaf Nitrogen Concentration: Influence of Regression Algorithms Based on Passive and Active Leaf Reflectance. Remote Sensing, 2017, 9, 951.	1.8	49
4	Multispectral LiDAR Point Cloud Classification: A Two-Step Approach. Remote Sensing, 2017, 9, 373.	1.8	43
5	Investigating the Potential of Using the Spatial and Spectral Information of Multispectral LiDAR for Object Classification. Sensors, 2015, 15, 21989-22002.	2.1	41
6	Double sodium layers observation over Beijing, China. Geophysical Research Letters, 2012, 39, .	1.5	40
7	Evaluation of hyperspectral LiDAR for monitoring rice leaf nitrogen by comparison with multispectral LiDAR and passive spectrometer. Scientific Reports, 2017, 7, 40362.	1.6	36
8	Improving Backscatter Intensity Calibration for Multispectral LiDAR. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1421-1425.	1.4	33
9	A new waveform decomposition method for multispectral LiDAR. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 149, 40-49.	4.9	32
10	Target Classification of Similar Spatial Characteristics in Complex Urban Areas by Using Multispectral LiDAR. Remote Sensing, 2022, 14, 238.	1.8	28
11	Analyzing the performance of fluorescence parameters in the monitoring of leaf nitrogen content of paddy rice. Scientific Reports, 2016, 6, 28787.	1.6	23
12	Signal simplification and cloud detection with an improved Douglas-Peucker algorithm for single-channel lidar. Meteorology and Atmospheric Physics, 2011, 113, 89-97.	0.9	17
13	Land Cover Classification with Multispectral LiDAR Based on Multi-Scale Spatial and Spectral Feature Selection. Remote Sensing, 2021, 13, 4118.	1.8	16
14	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.	2.7	15
15	Estimating the leaf nitrogen content of paddy rice by using the combined reflectance and laser-induced fluorescence spectra. Optics Express, 2016, 24, 19354.	1.7	12
16	A Combined Rotational Raman-Rayleigh Lidar for Atmospheric Temperature Measurements Over 5-80 km With Self-Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7055-7065.	2.7	12
17	Analyzing the Effect of Fluorescence Characteristics on Leaf Nitrogen Concentration Estimation. Remote Sensing, 2018, 10, 1402.	1.8	11
18	Application of Hyperspectral LiDAR on 3-D Chlorophyll-Nitrogen Mapping of <i>Rohdea Japonica</i> in Laboratory. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9667-9679.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Multichannel Interconnection Decomposition for Hyperspectral LiDAR Waveforms Detected From Over 500 m. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	9
20	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.	1.8	5
21	Joint observation results of Na layer and ionosphere in Wuhan during the Total Solar Eclipse. Science China Earth Sciences, 2016, 59, 418-424.	2.3	4
22	The characterization of plant species using first-derivative fluorescence spectra. Luminescence, 2017, 32, 348-352.	1.5	1
23	The application of time decay characteristics of laser-induced fluorescence in the classification of vegetation. Luminescence, 2017, 32, 17-21.	1.5	0
24	Corrections to a Combined Rotational Raman-Rayleigh Lidar for Atmospheric Temperature Measurements Over 5-80 km With Self-Calibration [Dec 16 7055-7065]. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1222-1222.	2.7	0