Zhongqiu Sun

List of Publications by Year
in descending order

27 papers	354 citations	759233 12 h-index	839539 18 g-index
28 all docs	28 docs citations	28 times ranked	272 citing authors

#	Article	IF	Citations
1	Combining Multiangular, Polarimetric, and Hyperspectral Measurements to Estimate Leaf Nitrogen Concentration From Different Plant Species. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	3
2	Optical Properties of Snow Surfaces: Multiangular Photometric and Polarimetric Hyperspectral Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	3
3	Optimizing Two-Band Spectral Indices to Estimate Leaf Chlorophyll Content Using the Non-Polarized Reflectance Factors. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
4	A General Algorithm of Leaf Chlorophyll Content Estimation for a Wide Range of Plant Species. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	2
5	Reducing BRDF Effects on the Estimation of Leaf Biochemical Parameters Using the Nonpolarized Reflectance Factor in the Hemispheric Space. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	2
6	A multi-angular invariant spectral index for the estimation of leaf water content across a wide range of plant species in different growth stages. Remote Sensing of Environment, 2021, 253, 112230.	11.0	18
7	Estimation of leaf chlorophyll content with polarization measurements: Degree of linear polarization. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 242, 106787.	2.3	10
8	Improvement of Leaf Chlorophyll Content Estimation Using Spectral Indices From Nonpolarized Reflectance Factor in the Laboratory and Field. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3669-3682.	4.9	6
9	Optimal vegetation index for assessing leaf water potential using reflectance factors from the adaxial and abaxial surfaces. Computers and Electronics in Agriculture, 2020, 172, 105337.	7.7	6
10	Estimation of the leaf chlorophyll content using multiangular spectral reflectance factor. Plant, Cell and Environment, 2019, 42, 3152-3165.	5.7	35
11	Optical Properties of Reflected Light From Leaves: A Case Study From One Species. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4388-4406.	6.3	16
12	Photopolarimetric properties of leaf and vegetation covers over a wide range of measurement directions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 273-285.	2.3	22
13	Improved kernel-driven semi-empirical bidirectional reflectance factor models for characterizing the reflection of vegetation covers: Considering a specular kernel. Agricultural and Forest Meteorology, 2018, 260-261, 95-108.	4.8	7
14	Effect of Black Carbon Concentration on the Reflection Property of Snow: A Comparison With Model Results. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6823-6840.	6.3	6
15	An evaluation of the influence of measurement geometry on the uncertainties of photometric model results based on the laboratory measurements of particulate surfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 338-357.	2.3	2
16	Polarized reflectance factors of vegetation covers from laboratory and field: A comparison with modeled results. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1042-1065.	3.3	22
17	Polarized Remote Sensing: A Note on the Stokes Parameters Measurements From Natural and Man-Made Targets Using a Spectrometer. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4008-4021.	6.3	26
18	Bidirectional Polarized Reflectance Factors of Vegetation Covers: Influence on the BRF Models Results. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5687-5701.	6.3	9

#	Article	IF	Citations
19	Photopolarimetric properties of a manmade target over a wide range of measurement directions. Optics Express, 2017, 25, A85.	3.4	6
20	Effects of particle size on bidirectional reflectance factor measurements from particulate surfaces. Optics Express, 2016, 24, A612.	3.4	16
21	An assessment of the bidirectional reflectance models basing on laboratory experiment of natural particulate surfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 163, 102-119.	2.3	10
22	The reflectance and negative polarization of light scattered from snow surfaces with different grain size in backward direction. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 472-481.	2.3	15
23	Particle size effects on the reflectance and negative polarization of light backscattered from natural surface particulate medium: Soil and sand. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 1-12.	2.3	35
24	Laboratory Studies of Polarized Light Reflection From Sea Ice and Lake Ice in Visible and Near Infrared. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 170-173.	3.1	19
25	The effects of grain size on bidirectional polarized reflectance factor measurements of snow. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2372-2383.	2.3	36
26	Study on the hyperspectral polarized reflection characteristics of oil slicks on sea surfaces. Science Bulletin, 2011, 56, 1596-1602.	1.7	20
27	Effects of water salinity on the multi-angularpolarimetric properties of light reflected from smoothwater surfaces. Applied Optics, 0, , .	1.8	1