

Junjie Wang

List of Publications by Year in descending order

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44
papers

1,995
citations

201674

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243625

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44
all docs

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docs citations

44
times ranked

1852
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible and near-infrared reflectance spectroscopy—An alternative for monitoring soil contamination by heavy metals. <i>Journal of Hazardous Materials</i> , 2014, 265, 166-176.	12.4	265
2	Concurrent monitoring of vessels and water turbidity enhances the strength of evidence in remotely sensed dredging impact assessment. <i>Water Research</i> , 2007, 41, 3271-3280.	11.3	119
3	Estimating Soil Organic Carbon Using VIS/NIR Spectroscopy with SVMR and SPA Methods. <i>Remote Sensing</i> , 2014, 6, 2699-2717.	4.0	119
4	Estimating heavy metal concentrations in suburban soils with reflectance spectroscopy. <i>Geoderma</i> , 2019, 336, 59-67.	5.1	102
5	Comparison of multivariate methods for estimating soil total nitrogen with visible/near-infrared spectroscopy. <i>Plant and Soil</i> , 2013, 366, 363-375.	3.7	100
6	Rapid urbanization and policy variation greatly drive ecological quality evolution in Guangdong-Hong Kong-Macau Greater Bay Area of China: A remote sensing perspective. <i>Ecological Indicators</i> , 2020, 115, 106373.	6.3	94
7	Spatiotemporal evolution of urban agglomerations in four major bay areas of US, China and Japan from 1987 to 2017: Evidence from remote sensing images. <i>Science of the Total Environment</i> , 2019, 671, 232-247.	8.0	80
8	Geo-detection of factors controlling spatial patterns of heavy metals in urban topsoil using multi-source data. <i>Science of the Total Environment</i> , 2018, 643, 451-459.	8.0	72
9	Feasibility of estimating heavy metal concentrations in <i>Phragmites australis</i> using laboratory-based hyperspectral data—A case study along Le'an River, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010, 12, S166-S170.	2.8	65
10	Soil Organic Carbon Content Estimation with Laboratory-Based Visible—Near-Infrared Reflectance Spectroscopy: Feature Selection. <i>Applied Spectroscopy</i> , 2014, 68, 831-837.	2.2	56
11	Improving Land Use/Land Cover Classification by Integrating Pixel Unmixing and Decision Tree Methods. <i>Remote Sensing</i> , 2017, 9, 1222.	4.0	56
12	Using remotely sensed suspended sediment concentration variation to improve management of Poyang Lake, China. <i>Lake and Reservoir Management</i> , 2013, 29, 47-60.	1.3	51
13	Improving satellite retrieval of oceanic particulate organic carbon concentrations using machine learning methods. <i>Remote Sensing of Environment</i> , 2021, 256, 112316.	11.0	49
14	The Influence of Spectral Pretreatment on the Selection of Representative Calibration Samples for Soil Organic Matter Estimation Using Vis-NIR Reflectance Spectroscopy. <i>Remote Sensing</i> , 2019, 11, 450.	4.0	45
15	Comparison of Machine Learning Techniques in Inferring Phytoplankton Size Classes. <i>Remote Sensing</i> , 2018, 10, 191.	4.0	44
16	Comparison of MODIS-based models for retrieving suspended particulate matter concentrations in Poyang Lake, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 24, 63-72.	2.8	39
17	Exploring Annual Urban Expansions in the Guangdong-Hong Kong-Macau Greater Bay Area: Spatiotemporal Features and Driving Factors in 1986—2017. <i>Remote Sensing</i> , 2020, 12, 2615.	4.0	39
18	Assessing toxic metal chromium in the soil in coal mining areas via proximal sensing: Prerequisites for land rehabilitation and sustainable development. <i>Geoderma</i> , 2022, 405, 115399.	5.1	39

#	ARTICLE	IF	CITATIONS
19	A Wavelet-Based Area Parameter for Indirectly Estimating Copper Concentration in Carex Leaves from Canopy Reflectance. <i>Remote Sensing</i> , 2015, 7, 15340-15360.	4.0	38
20	Estimating Soil Organic Carbon Content with Visible–Near-Infrared (Vis-NIR) Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 712-722.	2.2	36
21	A Bilevel Scale-Sets Model for Hierarchical Representation of Large Remote Sensing Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 7366-7377.	6.3	35
22	Transferability of a Visible and Near-Infrared Model for Soil Organic Matter Estimation in Riparian Landscapes. <i>Remote Sensing</i> , 2014, 6, 4305-4322.	4.0	34
23	Wavelet-based coupling of leaf and canopy reflectance spectra to improve the estimation accuracy of foliar nitrogen concentration. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 306-315.	4.8	33
24	Detecting Spatiotemporal Features and Rationalities of Urban Expansions within the Guangdong–Hong Kong–Macau Greater Bay Area of China from 1987 to 2017 Using Time-Series Landsat Images and Socioeconomic Data. <i>Remote Sensing</i> , 2019, 11, 2215.	4.0	33
25	Evaluating Different Methods for Grass Nutrient Estimation from Canopy Hyperspectral Reflectance. <i>Remote Sensing</i> , 2015, 7, 5901-5917.	4.0	31
26	Application of Spectrally Derived Soil Type as Ancillary Data to Improve the Estimation of Soil Organic Carbon by Using the Chinese Soil Vis-NIR Spectral Library. <i>Remote Sensing</i> , 2018, 10, 1747.	4.0	31
27	Digital mapping of zinc in urban topsoil using multisource geospatial data and random forest. <i>Science of the Total Environment</i> , 2021, 792, 148455.	8.0	28
28	Assessing mangrove leaf traits under different pest and disease severity with hyperspectral imaging spectroscopy. <i>Ecological Indicators</i> , 2021, 129, 107901.	6.3	28
29	Rapid Urbanization Induced Extensive Forest Loss to Urban Land in the Guangdong-Hong Kong-Macau Greater Bay Area, China. <i>Chinese Geographical Science</i> , 2021, 31, 93-108.	3.0	28
30	Developing MODIS-based retrieval models of suspended particulate matter concentration in Dongting Lake, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 32, 46-53.	2.8	27
31	Successive projections algorithm-based three-band vegetation index for foliar phosphorus estimation. <i>Ecological Indicators</i> , 2016, 67, 12-20.	6.3	27
32	Improving Spectral Estimation of Soil Organic Carbon Content through Semi-Supervised Regression. <i>Remote Sensing</i> , 2017, 9, 29.	4.0	23
33	Continuous Wavelet Analysis of Leaf Reflectance Improves Classification Accuracy of Mangrove Species. <i>Remote Sensing</i> , 2019, 11, 254.	4.0	20
34	Estimation of Organic Carbon in Anthropogenic Soil by VIS-NIR Spectroscopy: Effect of Variable Selection. <i>Remote Sensing</i> , 2020, 12, 3394.	4.0	20
35	Mapping lead concentrations in urban topsoil using proximal and remote sensing data and hybrid statistical approaches. <i>Environmental Pollution</i> , 2021, 272, 116041.	7.5	18
36	Mapping leaf chlorophyll content of mangrove forests with Sentinel-2 images of four periods. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102387.	2.8	16

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37	The integration of species information and soil properties for hyperspectral estimation of leaf biochemical parameters in mangrove forest. <i>Ecological Indicators</i> , 2020, 115, 106467.	6.3	12
38	Prediction of total nitrogen in cropland soil at different levels of soil moisture with Vis/NIR spectroscopy. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2014, 64, 267-281.	0.6	10
39	An agent-based study on the airborne transmission risk of infectious disease in a fever clinic during COVID-19 pandemic. <i>Building and Environment</i> , 2022, 218, 109118.	6.9	10
40	Specific absorption and backscattering coefficients of the main water constituents in Poyang Lake, China. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4191-4206.	2.7	9
41	A MODIS-Based Retrieval Model of Suspended Particulate Matter Concentration for the Two Largest Freshwater Lakes in China. <i>Sustainability</i> , 2016, 8, 832.	3.2	7
42	Estimating <i>Carex</i> quality with laboratory-based hyperspectral measurements. <i>International Journal of Remote Sensing</i> , 2013, 34, 1866-1878.	2.9	3
43	Understanding the Impact of Vertical Canopy Position on Leaf Spectra and Traits in an Evergreen Broadleaved Forest. <i>Remote Sensing</i> , 2021, 13, 5057.	4.0	2
44	The Assessment of More Suitable Image Spatial Resolutions for Offshore Aquaculture Areas Automatic Monitoring Based on Coupled NDWI and Mask R-CNN. <i>Remote Sensing</i> , 2022, 14, 3079.	4.0	2