

Teng Fei

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,299
citations

361296

20
h-index

377752

34
g-index

58
all docs

58
docs citations

58
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of nitrogen, phosphorus, and potassium contents in the leaves of different plants using laboratory-based visible and near-infrared reflectance spectroscopy: comparison of partial least-square regression and support vector machine regression methods. <i>International Journal of Remote Sensing</i> , 2013, 34, 2502-2518.	1.3	136
2	Comparison of multivariate methods for estimating soil total nitrogen with visible/near-infrared spectroscopy. <i>Plant and Soil</i> , 2013, 366, 363-375.	1.8	100
3	Monitoring Arsenic Contamination in Agricultural Soils with Reflectance Spectroscopy of Rice Plants. <i>Environmental Science & Technology</i> , 2014, 48, 6264-6272.	4.6	83
4	Towards feasibility of photovoltaic road for urban traffic-solar energy estimation using street view image. <i>Journal of Cleaner Production</i> , 2019, 228, 303-318.	4.6	57
5	Estimating Soil Organic Carbon of Cropland Soil at Different Levels of Soil Moisture Using VIS-NIR Spectroscopy. <i>Remote Sensing</i> , 2016, 8, 755.	1.8	55
6	Extracting human emotions at different places based on facial expressions and spatial clustering analysis. <i>Transactions in GIS</i> , 2019, 23, 450-480.	1.0	53
7	Predicting foliar biochemistry of tea (<i>Camellia sinensis</i>) using reflectance spectra measured at powder, leaf and canopy levels. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 78, 148-156.	4.9	52
8	Using remotely sensed suspended sediment concentration variation to improve management of Poyang Lake, China. <i>Lake and Reservoir Management</i> , 2013, 29, 47-60.	0.4	51
9	Absorption and backscattering coefficients and their relations to water constituents of Poyang Lake, China. <i>Applied Optics</i> , 2011, 50, 6358.	2.1	45
10	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.	1.8	45
11	Statistical model development and estimation of suspended particulate matter concentrations with Landsat 8 OLI images of Dongting Lake, China. <i>International Journal of Remote Sensing</i> , 2015, 36, 343-360.	1.3	42
12	An approach for developing Landsat-5 TM-based retrieval models of suspended particulate matter concentration with the assistance of MODIS. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 85, 84-92.	4.9	41
13	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.	1.4	39
14	Transferability of a Visible and Near-Infrared Model for Soil Organic Matter Estimation in Riparian Landscapes. <i>Remote Sensing</i> , 2014, 6, 4305-4322.	1.8	34
15	A body temperature model for lizards as estimated from the thermal environment. <i>Journal of Thermal Biology</i> , 2012, 37, 56-64.	1.1	28
16	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.	1.4	27
17	Small water bodies mapped from Sentinel-2 MSI (MultiSpectral Imager) imagery with higher accuracy. <i>International Journal of Remote Sensing</i> , 2020, 41, 7912-7930.	1.3	26
18	Improving Spectral Estimation of Soil Organic Carbon Content through Semi-Supervised Regression. <i>Remote Sensing</i> , 2017, 9, 29.	1.8	23

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19	Reflectance Spectroscopy of Biochemical Components as Indicators of Tea (&l&t;Camellia) Tj ETQq1 1 0.784314 rgBT /Overlock 107	0.3	22
20	Spectroscopic Diagnosis of Arsenic Contamination in Agricultural Soils. <i>Sensors</i> , 2017, 17, 1036.	2.1	20
21	Measuring the vibrancy of urban neighborhoods using mobile phone data with an improved PageRank algorithm. <i>Transactions in GIS</i> , 2019, 23, 241-258.	1.0	20
22	Estimation of Organic Carbon in Anthropogenic Soil by VIS-NIR Spectroscopy: Effect of Variable Selection. <i>Remote Sensing</i> , 2020, 12, 3394.	1.8	20
23	A regionalization method for clustering and partitioning based on trajectories from NLP perspective. <i>International Journal of Geographical Information Science</i> , 2019, 33, 2385-2405.	2.2	19
24	GIS-Based Emotional Computing: A Review of Quantitative Approaches to Measure the Emotion Layer of Humanâ€Environment Relationships. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 551.	1.4	19
25	Evaluation of Urban Vibrancy and Its Relationship with the Economic Landscape: A Case Study of Beijing. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 72.	1.4	19
26	A single-cell analysis of the molecular lineage of chordate embryogenesis. <i>Science Advances</i> , 2020, 6, .	4.7	18
27	Quantifying the bias in place emotion extracted from photos on social networking sites: A case study on a university campus. <i>Cities</i> , 2020, 102, 102719.	2.7	18
28	Tea cultivar classification and biochemical parameter estimation from hyperspectral imagery obtained by UAV. <i>PeerJ</i> , 2018, 6, e4858.	0.9	17
29	Road PV production estimation at city scale: A predictive model towards feasible assessing regional energy generation from solar roads. <i>Journal of Cleaner Production</i> , 2021, 321, 129010.	4.6	12
30	Emotional habitat: mapping the global geographic distribution of human emotion with physical environmental factors using a species distribution model. <i>International Journal of Geographical Information Science</i> , 2021, 35, 227-249.	2.2	11
31	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.	0.3	10
32	Rapid Identification and Prediction of Cadmium-Lead Cross-Stress of Different Stress Levels in Rice Canopy Based on Visible and Near-Infrared Spectroscopy. <i>Remote Sensing</i> , 2020, 12, 469.	1.8	10
33	Specific absorption and backscattering coefficients of the main water constituents in Poyang Lake, China. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4191-4206.	1.3	9
34	Incorporating nocturnal UAV side-view images with VIIRS data for accurate population estimation: a test at the urban administrative district scale. <i>International Journal of Remote Sensing</i> , 2019, 40, 8528-8546.	1.3	9
35	HIV-1 genetic transmission networks among people living with HIV/AIDS in Sichuan, China: a genomic and spatial epidemiological analysis. <i>The Lancet Regional Health - Western Pacific</i> , 2022, 18, 100318.	1.3	9
36	Small Water Body Detection and Water Quality Variations with Changing Human Activity Intensity in Wuhan. <i>Remote Sensing</i> , 2022, 14, 200.	1.8	9

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37	Uncovering patterns of ties among regions within metropolitan areas using data from mobile phones and online mass media. <i>Geo Journal</i> , 2019, 84, 685-701.	1.7	8
38	STICC: a multivariate spatial clustering method for repeated geographic pattern discovery with consideration of spatial contiguity. <i>International Journal of Geographical Information Science</i> , 2022, 36, 1518-1549.	2.2	8
39	Predicting micro thermal habitat of lizards in a dynamic thermal environment. <i>Ecological Modelling</i> , 2012, 231, 126-133.	1.2	7
40	Two hyperspectral indices for detecting cadmium and lead contamination from arice canopy spectrum. <i>Land Degradation and Development</i> , 2021, 32, 66-78.	1.8	7
41	A location-based social network system integrating mobile augmented reality and user generated content. , 2019, , .		6
42	Incorporation of intra-city human mobility into urban growth simulation: A case study in Beijing. <i>Journal of Chinese Geography</i> , 2022, 32, 892-912.	1.5	6
43	Estimating cadmium-lead concentrations in rice blades through fractional order derivatives of foliar spectra. <i>Biosystems Engineering</i> , 2022, 219, 177-188.	1.9	6
44	Diagnosis of heavy metal cross contamination in leaf of rice based on hyperspectral image: a greenhouse experiment. , 2018, , .		5
45	Who are happier? Spatio-temporal Analysis of Worldwide Human Emotion Based on Geo-Crowdsourcing Faces. , 2018, , .		5
46	Selection of the Optimal Spectral Resolution for the Cadmium-Lead Cross Contamination Diagnosing Based on the Hyperspectral Reflectance of Rice Canopy. <i>Sensors</i> , 2019, 19, 3889.	2.1	5
47	Understanding the spatial dimension of natural language by measuring the spatial semantic similarity of words through a scalable geospatial context window. <i>PLoS ONE</i> , 2020, 15, e0236347.	1.1	5
48	Assessment of underwater light climate for Lake Dahuchi using field spectral data and Landsat TM. <i>International Journal of Remote Sensing</i> , 2010, 31, 1625-1643.	1.3	4
49	Integrating algebraic multigrid method in spatial aggregation of massive trajectory data. <i>International Journal of Geographical Information Science</i> , 2018, 32, 2477-2496.	2.2	4
50	Reliability Demonstration Method for Competing Failure System. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2020, 27, 2050015.	0.4	4
51	Estimating Carex quality with laboratory-based hyperspectral measurements. <i>International Journal of Remote Sensing</i> , 2013, 34, 1866-1878.	1.3	3
52	Regional differences of hepatitis B discrimination in rural China. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 2257-2267.	1.4	3
53	Analyzing the association between emotions and socioeconomic characteristics of census tracts via user-generated content. <i>Transactions in GIS</i> , 2021, 25, 1049-1064.	1.0	3
54	Influencing Indicators and Spatial Variation of Diabetes Mellitus Prevalence in Shandong, China: A Framework for Using Data-Driven and Spatial Methods. <i>GeoHealth</i> , 2021, 5, e2020GH000320.	1.9	2

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55	Understanding lizard's microhabitat use based on a mechanistic model of behavioral thermoregulation. , 2008, , .		0
56	Potential of hyperspectral remote sensing on estimating foliar chemistry and predicting the quality of tea (<i>Camellia sinensis</i>). Proceedings of SPIE, 2008, , .	0.8	0
57	An In-Depth Analysis of Parking Patterns in a Typical Chinese Danwei via Customized Data Collection App. ISPRS International Journal of Geo-Information, 2021, 10, 567.	1.4	0