Zhou Shi

List of Publications by Year
in descending order

183	8,099	46984 47	66879 78
papers	citations	h-index	g-index

198	198	198	5533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A global spectral library to characterize the world's soil. Earth-Science Reviews, 2016, 155, 198-230.	4.0	546
2	Current status, spatial features, health risks, and potential driving factors of soil heavy metal pollution in China at province level. Environmental Pollution, 2020, 266, 114961.	3.7	257
3	Estimating soil salinity from remote sensing and terrain data in southern Xinjiang Province, China. Geoderma, 2019, 337, 1309-1319.	2.3	200
4	Current and future assessments of soil erosion by water on the Tibetan Plateau based on RUSLE and CMIP5 climate models. Science of the Total Environment, 2018, 635, 673-686.	3.9	184
5	Assessment and mapping of environmental quality in agricultural soils of Zhejiang Province, China. Journal of Environmental Sciences, 2007, 19, 50-54.	3.2	167
6	Digital mapping of GlobalSoilMap soil properties at a broad scale: A review. Geoderma, 2022, 409, 115567.	2.3	167
7	Delineation of site-specific management zones using fuzzy clustering analysis in a coastal saline land. Computers and Electronics in Agriculture, 2007, 56, 174-186.	3.7	163
8	Mapping high resolution National Soil Information Grids of China. Science Bulletin, 2022, 67, 328-340.	4.3	161
9	Development of a national VNIR soil-spectral library for soil classification and prediction of organic matter concentrations. Science China Earth Sciences, 2014, 57, 1671-1680.	2.3	143
10	Prediction of soil organic matter using a spatially constrained local partial least squares regression and the <scp>C</scp>hinese visâ€“<scp>NIR</scp> spectral library. European Journal of Soil Science, 2015, 66, 679-687.	1.8	138
11	Land use and climate change effects on soil organic carbon in North and Northeast China. Science of the Total Environment, 2019, 647, 1230-1238.	3.9	138
12	Accounting for the effects of water and the environment on proximally sensed visâ€“<scp>NIR</scp> soil spectra and their calibrations. European Journal of Soil Science, 2015, 66, 555-565.	1.8	133
13	Identification of the potential risk areas for soil heavy metal pollution based on the source-sink theory. Journal of Hazardous Materials, 2020, 393, 122424.	6.5	133
14	Modelling bioaccumulation of heavy metals in soil-crop ecosystems and identifying its controlling factors using machine learning. Environmental Pollution, 2020, 262, 114308.	3.7	126
15	A spatial data mining algorithm for downscaling TMPA 3B43 V7 data over the Qinghaiâ€“Tibet Plateau with the effects of systematic anomalies removed. Remote Sensing of Environment, 2017, 200, 378-395.	4.6	124
16	A high-resolution map of soil pH in China made by hybrid modelling of sparse soil data and environmental covariates and its implications for pollution. Science of the Total Environment, 2019, 655, 273-283.	3.9	124
17	Assimilating satellite imagery and visibleâ€“near infrared spectroscopy to model and map soil loss by water erosion in Australia. Environmental Modelling and Software, 2016, 77, 156-167.	1.9	106
18	A methodological framework for identifying potential sources of soil heavy metal pollution based on machine learning: A case study in the Yangtze Delta, China. Environmental Pollution, 2019, 250, 601-609.	3.7	101

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19	Application of portable XRF and VNIR sensors for rapid assessment of soil heavy metal pollution. PLoS ONE, 2017, 12, e0172438.	1.1	94
20	Evaluation of Machine Learning Approaches to Predict Soil Organic Matter and pH Using vis-NIR Spectra. Sensors, 2019, 19, 263.	2.1	91
21	Identifying heavy metal pollution hot spots in soil-rice systems: A case study in South of Yangtze River Delta, China. Science of the Total Environment, 2019, 658, 614-625.	3.9	90
22	Quantitative Estimation of Soil Salinity Using UAV-Borne Hyperspectral and Satellite Multispectral Images. Remote Sensing, 2019, 11, 736.	1.8	87
23	In Situ Measurements of Organic Carbon in Soil Profiles Using vis-NIR Spectroscopy on the Qinghaiâ€“Tibet Plateau. Environmental Science & Technology, 2015, 49, 4980-4987.	4.6	81
24	National digital soil map of organic matter in topsoil and its associated uncertainty in 1980's China. Geoderma, 2019, 335, 47-56.	2.3	80
25	Multiâ€sensor fusion for the determination of several soil properties in the Yangtze River Delta, China. European Journal of Soil Science, 2019, 70, 162-173.	1.8	79
26	Multi-algorithm comparison for predicting soil salinity. Geoderma, 2020, 365, 114211.	2.3	79
27	Assessment of the potential health risks of heavy metals in soils in a coastal industrial region of the Yangtze River Delta. Environmental Science and Pollution Research, 2017, 24, 19816-19826.	2.7	78
28	Mapping the three-dimensional variation of soil salinity in a rice-paddy soil. Geoderma, 2013, 195-196, 31-41.	2.3	76
29	AIMERG: a new Asian precipitation dataset (0.1Â°/half-hourly, 2000â€“2015) by calibrating the GPM-era IMERG at a daily scale using APHRODITE. Earth System Science Data, 2020, 12, 1525-1544.	3.7	75
30	Modelling and mapping soil erosion potential in China. Journal of Integrative Agriculture, 2019, 18, 251-264.	1.7	73
31	Simultaneous measurement of multiple soil properties through proximal sensor data fusion: A case study. Geoderma, 2019, 341, 111-128.	2.3	73
32	Geo-detection of factors controlling spatial patterns of heavy metals in urban topsoil using multi-source data. Science of the Total Environment, 2018, 643, 451-459.	3.9	72
33	Prediction of soil attributes using the Chinese soil spectral library and standardized spectra recorded at field conditions. Soil and Tillage Research, 2016, 155, 492-500.	2.6	71
34	Estimating forest soil organic carbon content using vis-NIR spectroscopy: Implications for large-scale soil carbon spectroscopic assessment. Geoderma, 2019, 348, 37-44.	2.3	70
35	Analyzing spatial patterns of urban carbon metabolism and its response to change of urban size: A case of the Yangtze River Delta, China. Ecological Indicators, 2019, 104, 615-625.	2.6	69
36	High-resolution three-dimensional mapping of soil organic carbon in China: Effects of SoilGrids products on national modeling. Science of the Total Environment, 2019, 685, 480-489.	3.9	66

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37	Spatial-temporal distribution of carbon emissions by daily travel and its response to urban form: A case study of Hangzhou, China. Journal of Cleaner Production, 2020, 257, 120797.	4.6	64
38	Baseline estimates of soil organic carbon by proximal sensing: Comparing design-based, model-assisted and model-based inference. Geoderma, 2016, 265, 152-163.	2.3	62
39	In Situ Measurement of Some Soil Properties in Paddy Soil Using Visible and Near-Infrared Spectroscopy. PLoS ONE, 2014, 9, e105708.	1.1	62
40	Assessment of important soil properties related to Chinese Soil Taxonomy based on visâ€“NIR reflectance spectroscopy. Computers and Electronics in Agriculture, 2018, 144, 1-8.	3.7	58
41	Revealing the scale-specific controls of soil organic matter at large scale in Northeast and North China Plain. Geoderma, 2016, 271, 71-79.	2.3	57
42	X-ray fluorescence and visible near infrared sensor fusion for predicting soil chromium content. Geoderma, 2019, 352, 61-69.	2.3	57
43	Assessment of soil properties in situ using a prototype portable MIR spectrometer in two agricultural fields. Biosystems Engineering, 2016, 152, 14-27.	1.9	54
44	Estimating spatially downscaled rainfall by regression kriging using TRMM precipitation and elevation in Zhejiang Province, southeast China. International Journal of Remote Sensing, 2014, 35, 7775-7794.	1.3	53
45	Assessment of temporal and spatial variability of soil salinity in a coastal saline field. Environmental Geology, 2005, 48, 171-178.	1.2	51
46	Mapping soil salinity in the Yangtze delta: REML and universal kriging (E-BLUP) revisited. Geoderma, 2015, 237-238, 71-77.	2.3	51
47	Proximal and remote sensing techniques for mapping of soil contamination with heavy metals. Applied Spectroscopy Reviews, 2018, 53, 783-805.	3.4	51
48	Quantifying the spatial patterns of urban carbon metabolism: A case study of Hangzhou, China. Ecological Indicators, 2018, 95, 474-484.	2.6	50
49	Improved estimates of organic carbon using proximally sensed visâ€“<scp>NIR</scp> spectra corrected by piecewise direct standardization. European Journal of Soil Science, 2015, 66, 670-678.	1.8	49
50	Road Extraction from Very-High-Resolution Remote Sensing Images via a Nested SE-Deeplab Model. Remote Sensing, 2020, 12, 2985.	1.8	49
51	Distinct controls over the temporal dynamics of soil carbon fractions after land use change. Global Change Biology, 2020, 26, 4614-4625.	4.2	48
52	Updating a national soil classification with spectroscopic predictions and digital soil mapping. Catena, 2018, 164, 125-134.	2.2	47
53	Estimation Methods for Soil Mercury Content Using Hyperspectral Remote Sensing. Sustainability, 2018, 10, 2474.	1.6	46
54	Assessment of potentially toxic element pollution in soils and related health risks in 271 cities across China. Environmental Pollution, 2021, 270, 116196.	3.7	46

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55	Detection of Coastal Saline Land Uses with Multi-Temporal Landsat Images in Shangyu City, China. Environmental Management, 2002, 30, 142-150.	1.2	45
56	Quantifying Land Use Change in Zhejiang Coastal Region, China Using Multi-Temporal Landsat TM/ETM+ Images. Pedosphere, 2007, 17, 712-720.	2.1	44
57	Integrating Remote Sensing and Landscape Characteristics to Estimate Soil Salinity Using Machine Learning Methods: A Case Study from Southern Xinjiang, China. Remote Sensing, 2020, 12, 4118.	1.8	44
58	Three-dimensional digital soil mapping of multiple soil properties at a field-scale using regression kriging. Geoderma, 2020, 366, 114253.	2.3	44
59	Predicting total dissolved salts and soluble ion concentrations in agricultural soils using portable visible near-infrared and mid-infrared spectrometers. Biosystems Engineering, 2016, 152, 94-103.	1.9	43
60	Heavy Metal Pollution Delineation Based on Uncertainty in a Coastal Industrial City in the Yangtze River Delta, China. International Journal of Environmental Research and Public Health, 2018, 15, 710.	1.2	42
61	Determination of potential management zones from soil electrical conductivity, yield and crop data. Journal of Zhejiang University: Science B, 2008, 9, 68-76.	1.3	41
62	Downscaling annual precipitation with <scp>TMPA</scp> and land surface characteristics in China. International Journal of Climatology, 2017, 37, 5107-5119.	1.5	41
63	Spatio-temporal variation and source changes of potentially toxic elements in soil on a typical plain of the Yangtze River Delta, China (2002â€“2012). Journal of Environmental Management, 2020, 271, 110943.	3.8	41
64	Using Nighttime Light Data and POI Big Data to Detect the Urban Centers of Hangzhou. Remote Sensing, 2019, 11, 1821.	1.8	40
65	Quantitative Evaluations and Error Source Analysis of Fengyun-2-Based and GPM-Based Precipitation Products over Mainland China in Summer, 2018. Remote Sensing, 2019, 11, 2992.	1.8	40
66	Revealing the scale- and location-specific controlling factors of soil organic carbon in Tibet. Geoderma, 2021, 382, 114713.	2.3	39
67	VIRS based detection in combination with machine learning for mapping soil pollution. Environmental Pollution, 2021, 268, 115845.	3.7	38
68	Organic carbon prediction in soil cores using VNIR and MIR techniques in an alpine landscape. Scientific Reports, 2017, 7, 2144.	1.6	37
69	Spatial and temporal precipitation patterns characterized by TRMM TMPA over the Qinghai-Tibetan plateau and surroundings. International Journal of Remote Sensing, 2018, 39, 3891-3907.	1.3	37
70	Monitoring soil organic carbon in alpine soils using in situ visâ€NIR spectroscopy and a multilayer perceptron. Land Degradation and Development, 2020, 31, 1026-1038.	1.8	37
71	Composite assessment of human health risk from potentially toxic elements through multiple exposure routes: A case study in farmland in an important industrial city in East China. Journal of Geochemical Exploration, 2020, 210, 106443.	1.5	37
72	Comprehensive Evaluation of Tobacco Ecological Suitability of Henan Province Based on GIS. Agricultural Sciences in China, 2010, 9, 583-592.	0.6	36

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73	Application of digital soil mapping methods for identifying salinity management classes based on a study on coastal central China. Soil Use and Management, 2013, 29, 445-456.	2.6	36
74	Data fusion for the measurement of potentially toxic elements in soil using portable spectrometers. Environmental Pollution, 2020, 263, 114649.	3.7	36
75	The assessment of soil erosion risk, sediment yield and their controlling factors on a large scale: Example of Morocco. Journal of African Earth Sciences, 2018, 147, 281-299.	0.9	35
76	Baseline map of soil organic carbon in Tibet and its uncertainty in the 1980s. Geoderma, 2019, 334, 124-133.	2.3	35
77	Integrating a Hybrid Back Propagation Neural Network and Particle Swarm Optimization for Estimating Soil Heavy Metal Contents Using Hyperspectral Data. Sustainability, 2019, 11, 419.	1.6	35
78	A comprehensive framework for assessing the impact of potential agricultural pollution on grain security and human health in economically developed areas. Environmental Pollution, 2020, 263, 114653.	3.7	35
79	Improved Prediction and Reduction of Sampling Density for Soil Salinity by Different Geostatistical Methods. Agricultural Sciences in China, 2007, 6, 832-841.	0.6	34
80	Experimental and theoretical study of the ground-state<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>M</mml:mi></mml:math>1 transition in Ag-like tungsten. Physical Review A, 2012, 86, .	1.0	34
81	Characterising dryland salinity in three dimensions. Science of the Total Environment, 2019, 682, 190-199.	3.9	34
82	Significant loss of soil inorganic carbon at the continental scale. National Science Review, 2022, 9, nwab120.	4.6	34
83	Delineation of Site-Specific Management Zones Based on Temporal and Spatial Variability of Soil Electrical Conductivity. Pedosphere, 2007, 17, 156-164.	2.1	33
84	Assessing Reclamation Levels of Coastal Saline Lands with Integrated Stepwise Discriminant Analysis and Laboratory Hyperspectral Data. Pedosphere, 2006, 16, 154-160.	2.1	32
85	Forbidden-line spectroscopy of the ground-state configuration of Cd-like W. Physical Review A, 2014, 90, .	1.0	32
86	Evaluating validation strategies on the performance of soil property prediction from regional to continental spectral data. Geoderma, 2021, 400, 115159.	2.3	32
87	Decomposed Driving Factors of Carbon Emissions and Scenario Analyses of Low-Carbon Transformation in 2020 and 2030 for Zhejiang Province. Energies, 2017, 10, 1747.	1.6	31
88	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. Remote Sensing, 2018, 10, 1747.	1.8	31
89	Fine-Resolution Mapping of Soil Total Nitrogen across China Based on Weighted Model Averaging. Remote Sensing, 2020, 12, 85.	1.8	31
90	Identifying localized and scale-specific multivariate controls of soil organic matter variations using multiple wavelet coherence. Science of the Total Environment, 2018, 643, 548-558.	3.9	30

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91	Source Identification and Apportionment of Trace Elements in Soils in the Yangtze River Delta, China. International Journal of Environmental Research and Public Health, 2018, 15, 1240.	1.2	30
92	Improvement of Spatial Modeling of Cr, Pb, Cd, As and Ni in Soil Based on Portable X-ray Fluorescence (PXRF) and Geostatistics: A Case Study in East China. International Journal of Environmental Research and Public Health, 2019, 16, 2694.	1.2	30
93	Diffuse reflectance spectroscopy for estimating soil properties: A technology for the 21st century. European Journal of Soil Science, 2022, 73, .	1.8	30
94	Mapping Spatial Variability of Soil Salinity in a Coastal Paddy Field Based on Electromagnetic Sensors. PLoS ONE, 2015, 10, e0127996.	1.1	27
95	Improving Rainfall Erosivity Estimates Using Merged TRMM and Gauge Data. Remote Sensing, 2017, 9, 1134.	1.8	27
96	Decoupling environmental impact from economic growth to achieve Sustainable Development Goals in China. Journal of Environmental Management, 2022, 312, 114978.	3.8	27
97	Diagnosis of cadmium contamination in urban and suburban soils using visible-to-near-infrared spectroscopy. Environmental Pollution, 2021, 291, 118128.	3.7	26
98	Deep transfer learning of global spectra for local soil carbon monitoring. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 190-200.	4.9	26
99	Integrating multi-source data to improve water erosion mapping in Tibet, China. Catena, 2018, 169, 31-45.	2.2	25
100	Rapid Determination of Soil Class Based on Visible-Near Infrared, Mid-Infrared Spectroscopy and Data Fusion. Remote Sensing, 2020, 12, 1512.	1.8	25
101	In silico analysis of molecular mechanisms of legume lectinâ€induced apoptosis in cancer cells. Cell Proliferation, 2013, 46, 86-96.	2.4	24
102	Stoichiometry of soil carbon, nitrogen, and phosphorus in farmland soils in southern China: Spatial pattern and related dominates. Catena, 2022, 217, 106468.	2.2	24
103	Title is missing!. Precision Agriculture, 2000, 2, 347-357.	3.1	23
104	Modeling of Cotton Yields in the Amu Darya River Floodplains of Uzbekistan Integrating Multitemporal Remote Sensing and Minimum Field Data. Agronomy Journal, 2007, 99, 1317-1326.	0.9	23
105	A Layered Perovskite EuBaCo₂O_{5+Î´} for Intermediateâ€Temperature Solid Oxide Fuel Cell Cathode. Fuel Cells, 2014, 14, 979-990.	1.5	23
106	Potential of VIS-NIR-SWIR Spectroscopy from the Chinese Soil Spectral Library for Assessment of Nitrogen Fertilization Rates in the Paddy-Rice Region, China. Remote Sensing, 2015, 7, 7029-7043.	1.8	23
107	Soil bacterial abundance and diversity better explained and predicted with spectro-transfer functions. Soil Biology and Biochemistry, 2019, 129, 29-38.	4.2	23
108	Novel framework for modelling the cadmium balance and accumulation in farmland soil in Zhejiang Province, East China: Sensitivity analysis, parameter optimisation, and forecast for 2050. Journal of Cleaner Production, 2021, 279, 123674.	4.6	23

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109	Definition of Management Zones for Enhancing Cultivated Land Conservation Using Combined Spatial Data. Environmental Management, 2013, 52, 792-806.	1.2	22
110	Integrating Remote Sensing and Proximal Sensors for the Detection of Soil Moisture and Salinity Variability in Coastal Areas. Journal of Integrative Agriculture, 2013, 12, 723-731.	1.7	21
111	Rapid determination of soil classes in soil profiles using visâ€“NIR spectroscopy and multiple objectives mixed support vector classification. European Journal of Soil Science, 2019, 70, 42-53.	1.8	21
112	Updated information on soil salinity in a typical oasis agroecosystem and desert-oasis ecotone: Case study conducted along the Tarim River, China. Science of the Total Environment, 2020, 716, 135387.	3.9	21
113	Interactive effects of elevation and land use on soil bacterial communities in the Tibetan Plateau. Pedosphere, 2020, 30, 817-831.	2.1	21
114	An integrated assessment methodology for management of potentially contaminated sites based on public data. Science of the Total Environment, 2021, 783, 146913.	3.9	21
115	Fusion of visible-to-near-infrared and mid-infrared spectroscopy to estimate soil organic carbon. Soil and Tillage Research, 2022, 217, 105284.	2.6	21
116	Improving TMPA 3B43 V7 Data Sets Using Land-Surface Characteristics and Ground Observations on the Qinghaiâ€“Tibet Plateau. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 178-182.	1.4	20
117	Identification and risk prediction of potentially contaminated sites in the Yangtze River Delta. Science of the Total Environment, 2022, 815, 151982.	3.9	20
118	A framework for determining the total salt content of soil profiles using time-series Sentinel-2 images and a random forest-temporal convolution network. Geoderma, 2022, 409, 115656.	2.3	20
119	Characterizing anisotropic scale-specific variations in soil salinity from a reclaimed marshland in China. Catena, 2015, 131, 64-73.	2.2	19
120	Temporal changes in the spatial distributions of some soil properties on a temperate grassland site. Soil Use and Management, 2002, 18, 353-362.	2.6	19
121	VIS-NIR reflectance spectroscopy of the organic matter in several types of soils. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2012, 31, 277-282.	0.2	19
122	Dynamics of Vegetation Greenness and Its Response to Climate Change in Xinjiang over the Past Two Decades. Remote Sensing, 2021, 13, 4063.	1.8	19
123	Pollution Assessment and Source Apportionment of Soil Heavy Metals in a Coastal Industrial City, Zhejiang, Southeastern China. International Journal of Environmental Research and Public Health, 2022, 19, 3335.	1.2	19
124	Predicting annual PM2.5 in mainland China from 2014 to 2020 using multi temporal satellite product: An improved deep learning approach with spatial generalization ability. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 187, 141-158.	4.9	19
125	High-resolution prediction of the spatial distribution of PM2.5 concentrations in China using a long short-term memory model. Journal of Cleaner Production, 2021, 297, 126493.	4.6	18
126	Soil organic carbon storage, distribution, and influencing factors at different depths in the dryland farming regions of Northeast and North China. Catena, 2022, 210, 105934.	2.2	18

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127	A robust method to estimate foliar phosphorus of rubber trees with hyperspectral reflectance. Industrial Crops and Products, 2018, 126, 1-12.	2.5	17
128	A new approach for obtaining precipitation estimates with a finer spatial resolution on a daily scale based on TMPA V7 data over the Tibetan Plateau. International Journal of Remote Sensing, 2019, 40, 8465-8483.	1.3	17
129	Estimating spatial and temporal variation in ocean surface pCO2 in the Gulf of Mexico using remote sensing and machine learning techniques. Science of the Total Environment, 2020, 745, 140965.	3.9	17
130	Supplemental sampling for digital soil mapping based on prediction uncertainty from both the feature domain and the spatial domain. Geoderma, 2016, 284, 73-84.	2.3	16
131	Improved Mapping of Potentially Toxic Elements in Soil via Integration of Multiple Data Sources and Various Geostatistical Methods. Remote Sensing, 2020, 12, 3775.	1.8	16
132	Climate change-induced greening on the Tibetan Plateau modulated by mountainous characteristics. Environmental Research Letters, 2021, 16, 064064.	2.2	16
133	Title is missing!. Precision Agriculture, 2003, 4, 69-86.	3.1	15
134	Extraction of Agricultural Fields via DASFNet with Dual Attention Mechanism and Multi-scale Feature Fusion in South Xinjiang, China. Remote Sensing, 2022, 14, 2253.	1.8	15
135	Comprehensive source identification and apportionment analysis of five heavy metals in soils in Wenzhou City, China. Environmental Geochemistry and Health, 2022, 44, 579-602.	1.8	14
136	Predicting Bioaccumulation of Potentially Toxic Element in Soilâ€“Rice Systems Using Multi-Source Data and Machine Learning Methods: A Case Study of an Industrial City in Southeast China. Land, 2021, 10, 558.	1.2	14
137	Climate-induced shifts in composition and protection regulate temperature sensitivity of carbon decomposition through soil profile. Soil Biology and Biochemistry, 2022, 172, 108743.	4.2	14
138	River bed identification for checkâ€dam engineering using SPOTâ€5 image in the HongShiMao watershed of the Loess Plateau, China. International Journal of Remote Sensing, 2009, 30, 1853-1865.	1.3	13
139	Identification of novel kinase inhibitors by targeting a kinaseâ€related apoptotic proteinâ€“protein interaction network in HeLa cells. Cell Proliferation, 2014, 47, 219-230.	2.4	13
140	Identifying scale-specific controls of soil organic matter distribution in mountain areas using anisotropy analysis and discrete wavelet transform. Catena, 2018, 160, 1-9.	2.2	13
141	Potential of Multitemporal ERS-2 SAR Imagery for Land Use Mapping in Coastal Zone of Shangyu City, China. Journal of Coastal Research, 2008, 241, 170-176.	0.1	12
142	Younger carbon dominates global soil carbon efflux. Global Change Biology, 2022, 28, 5587-5599.	4.2	12
143	Genetic algorithm-based decision tree classifier for remote sensing mapping with SPOT-5 data in the HongShiMao watershed of the loess plateau, China. Neural Computing and Applications, 2007, 16, 513-517.	3.2	11
144	Optimised Spatial Sampling Scheme for Soil Electriclal Conductivity Based on Variance Quad-Tree (VQT) Method. Agricultural Sciences in China, 2007, 6, 1463-1471.	0.6	10

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145	Current Status and Temporal Trend of Potentially Toxic Elements Pollution in Agricultural Soil in the Yangtze River Delta Region: A Meta-Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 1033.	1.2	10
146	Application of artificial neural network approach and remotely sensed imagery for regional eco-environmental quality evaluation. Environmental Monitoring and Assessment, 2007, 128, 217-229.	1.3	9
147	An Integrated Approach to Explore the Relationship Among Economic, Construction Land Use, and Ecology Subsystems in Zhejiang Province, China. Sustainability, 2016, 8, 498.	1.6	9
148	Life cycle assessment and fertilization scheme optimization of paddy field crops in South China. Journal of Cleaner Production, 2021, 325, 129339.	4.6	9
149	Digital Mapping of Soil Organic Carbon with Machine Learning in Dryland of Northeast and North Plain China. Remote Sensing, 2022, 14, 2504.	1.8	9
150	Assessment of three gridded satellite-based precipitation products and their performance variabilities during typhoons over Zhejiang, southeastern China. Journal of Hydrology, 2022, 610, 127985.	2.3	9
151	Preliminary risk assessment of regional industrial enterprise sites based on big data. Science of the Total Environment, 2022, 838, 156609.	3.9	9
152	Temporal changes in the spatial distributions of some soil properties on a temperate grassland site. Soil Use and Management, 2002, 18, 353-362.	2.6	8
153	Characterization of field scale soil variability using remotely and proximally sensed data and response surface method. Stochastic Environmental Research and Risk Assessment, 2016, 30, 859-869.	1.9	8
154	Spatial and Temporal Variations in the Rainy Season Onset over the Qinghaiâ€“Tibet Plateau. Water (Switzerland), 2019, 11, 1960.	1.2	8
155	Effectiveness of different approaches for in situ measurements of organic carbon using visible and near infrared spectrometry in the Poyang Lake basin area. Land Degradation and Development, 2021, 32, 1301-1311.	1.8	8
156	Estimation and Mapping of Soil Properties Based on Multi-Source Data Fusion. Remote Sensing, 2021, 13, 978.	1.8	8
157	Genetic structure of silver pomfret (Pampus argenteus (Euphrasen, 1788)) in the Arabian Sea, Bay of Bengal, and South China Sea as indicated by mitochondrial COI gene sequences. Journal of Applied Ichthyology, 2013, 29, 733-737.	0.3	8
158	A Methodological Framework to Retrospectively Obtain Downscaled Precipitation Estimates over the Tibetan Plateau. Remote Sensing, 2018, 10, 1974.	1.8	7
159	Drivers of water erosion-induced lateral soil carbon loss on the Tibetan Plateau. Catena, 2022, 211, 105970.	2.2	7
160	Sea Surface Salinity Estimation and Spatial-Temporal Heterogeneity Analysis in the Gulf of Mexico. Remote Sensing, 2021, 13, 881.	1.8	6
161	A Super Typhoon Disturbs Organic Contamination in Agricultural Soils. Environmental Science and Technology Letters, 2021, 8, 237-243.	3.9	6
162	Strategies for efficient estimation of soil organic content at the local scale based on a national spectral database. Land Degradation and Development, 2022, 33, 1649-1661.	1.8	6

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163	Improving remote sensing of salinity on topsoil with crop residues using novel indices of optical and microwave bands. Geoderma, 2022, 422, 115935.	2.3	6
164	Measurement and simulation of biâ€directional reflectance on three zonal soils in the southâ€east of China. New Zealand Journal of Agricultural Research, 2007, 50, 1177-1185.	0.9	5
165	Evaluating reclamation levels of coastal saline soil using laboratory hyperspectral data. Eurasian Soil Science, 2007, 40, 1095-1101.	0.5	5
166	Farmland productivity and its application in spatial zoning of agricultural production: a case study in Zhejiang province, China. Environmental Earth Sciences, 2016, 75, 1.	1.3	5
167	Role of Environment Variables in Spatial Distribution of Soil C, N, P Ecological Stoichiometry in the Typical Black Soil Region of Northeast China. Sustainability, 2022, 14, 2636.	1.6	5
168	Precipitation change between 1960 and 2006 in the Qiantang River basin, eastern China. Climate Research, 2016, 67, 257-269.	0.4	4
169	Estimating soil bacterial abundance and diversity in the Southeast Qinghai-Tibet Plateau. Geoderma, 2022, 416, 115807.	2.3	4
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