

Yiyun Chen

List of Publications by Year in descending order

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91
papers

4,050
citations

101496

36
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128225

60
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92
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92
docs citations

92
times ranked

2957
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning system compared with expert endoscopists in predicting early gastric cancer and its invasion depth and differentiation status (with videos). <i>Gastrointestinal Endoscopy</i> , 2022, 95, 92-104.e3.	0.5	31
2	Influences of Environmental Variables and Their Interactions on Chinese Farmland Soil Organic Carbon Density and Its Dynamics. <i>Land</i> , 2022, 11, 208.	1.2	8
3	Spatiotemporal dynamics of rice-crayfish field in Mid-China and its socioeconomic benefits on rural revitalisation. <i>Applied Geography</i> , 2022, 139, 102636.	1.7	19
4	Comparing Two Different Development Methods of External Parameter Orthogonalization for Estimating Organic Carbon from Field-Moist Intact Soils by Reflectance Spectroscopy. <i>Remote Sensing</i> , 2022, 14, 1303.	1.8	6
5	Positive impacts of farmland fragmentation on agricultural production efficiency in Qilu Lake watershed: Implications for appropriate scale management. <i>Land Use Policy</i> , 2022, 117, 106108.	2.5	36
6	Accessibility of Park Green Space in Wuhan, China: Implications for Spatial Equity in the Post-COVID-19 Era. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5440.	1.2	27
7	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
8	Multi-Crop Classification Using Feature Selection-Coupled Machine Learning Classifiers Based on Spectral, Textural and Environmental Features. <i>Remote Sensing</i> , 2022, 14, 3153.	1.8	8
9	Automated and real-time validation of gastroesophageal varices under esophagogastroduodenoscopy using a deep convolutional neural network: a multicenter retrospective study (with video). <i>Gastrointestinal Endoscopy</i> , 2021, 93, 422-432.e3.	0.5	14
10	A deep learning-based system for identifying differentiation status and delineating the margins of early gastric cancer in magnifying narrow-band imaging endoscopy. <i>Endoscopy</i> , 2021, 53, 469-477.	1.0	56
11	Geographical detector-based stratified regression kriging strategy for mapping soil organic carbon with high spatial heterogeneity. <i>Catena</i> , 2021, 196, 104953.	2.2	27
12	Decoding the Street-Based Spatiality of Urban Gyms: Implications for Healthy City Planning. <i>Land</i> , 2021, 10, 175.	1.2	4
13	Causal Analysis of Ecological Impairment in Land Ecosystem on a Regional Scale: Applied to a Mining City Daye, China. <i>Land</i> , 2021, 10, 530.	1.2	4
14	Exploring influence factors in mapping soil organic carbon on low-relief agricultural lands using time series of remote sensing data. <i>Soil and Tillage Research</i> , 2021, 210, 104982.	2.6	28
15	Mapping soil organic carbon stock by hyperspectral and time-series multispectral remote sensing images in low-relief agricultural areas. <i>Geoderma</i> , 2021, 398, 115118.	2.3	59
16	Diagnosis of cadmium contamination in urban and suburban soils using visible-to-near-infrared spectroscopy. <i>Environmental Pollution</i> , 2021, 291, 118128.	3.7	26
17	Regional Land Eco-Security Evaluation for the Mining City of Daye in China Using the GIS-Based Grey TOPSIS Method. <i>Land</i> , 2021, 10, 118.	1.2	16
18	Mapping field-scale soil organic carbon with unmanned aircraft system-acquired time series multispectral images. <i>Soil and Tillage Research</i> , 2020, 196, 104477.	2.6	47

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19	Use of Visible and Near-Infrared Reflectance Spectroscopy Models to Determine Soil Erodibility Factor (K) in an Ecologically Restored Watershed. <i>Remote Sensing</i> , 2020, 12, 3103.	1.8	5
20	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
21	Establishment of an integrated decision-making method for planning the ecological restoration of terrestrial ecosystems. <i>Science of the Total Environment</i> , 2020, 741, 139852.	3.9	19
22	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
23	Multi-Structure Joint Decision-Making Approach for Land Use Classification of High-Resolution Remote Sensing Images Based on CNNs. <i>IEEE Access</i> , 2020, 8, 42848-42863.	2.6	14
24	Spatial-temporal dynamics of grain yield and the potential driving factors at the county level in China. <i>Journal of Cleaner Production</i> , 2020, 255, 120312.	4.6	37
25	Cropland use sustainability in Chengde Urban Agglomeration, China: Evaluation framework, driving factors and development paths. <i>Journal of Cleaner Production</i> , 2020, 256, 120692.	4.6	32
26	Identifying the influencing factors controlling the spatial variation of heavy metals in suburban soil using spatial regression models. <i>Science of the Total Environment</i> , 2020, 717, 137212.	3.9	57
27	Comparing laboratory and airborne hyperspectral data for the estimation and mapping of topsoil organic carbon: Feature selection coupled with random forest. <i>Soil and Tillage Research</i> , 2020, 199, 104589.	2.6	66
28	A spatial bayesian-network approach as a decision-making tool for ecological-risk prevention in land ecosystems. <i>Ecological Modelling</i> , 2020, 419, 108929.	1.2	18
29	Exploring the potential of airborne hyperspectral image for estimating topsoil organic carbon: Effects of fractional-order derivative and optimal band combination algorithm. <i>Geoderma</i> , 2020, 365, 114228.	2.3	58
30	A deep learning method for delineating early gastric cancer resection margin under chromoendoscopy and white light endoscopy. <i>Gastric Cancer</i> , 2020, 23, 884-892.	2.7	30
31	Cadmium concentration estimation in peri-urban agricultural soils: Using reflectance spectroscopy, soil auxiliary information, or a combination of both?. <i>Geoderma</i> , 2019, 354, 113875.	2.3	45
32	Prediction of Soil Organic Carbon based on Landsat 8 Monthly NDVI Data for the Jiangnan Plain in Hubei Province, China. <i>Remote Sensing</i> , 2019, 11, 1683.	1.8	70
33	Estimating soil organic carbon density in plains using landscape metric-based regression Kriging model. <i>Soil and Tillage Research</i> , 2019, 195, 104381.	2.6	35
34	Volume-Enhanced Raman Scattering Detection of Viruses. <i>Small</i> , 2019, 15, e1805516.	5.2	150
35	Diagnosing cropland's allowable range and spatial allocation in China's typical mountainous plateau area: An evaluation framework based on ecological carrying capacity. <i>Science of the Total Environment</i> , 2019, 685, 1255-1268.	3.9	32
36	Exploring the Influence of Spatial Resolution on the Digital Mapping of Soil Organic Carbon by Airborne Hyperspectral VNIR Imaging. <i>Remote Sensing</i> , 2019, 11, 1032.	1.8	16

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37	Combining Environmental Factors and Lab VNIR Spectral Data to Predict SOM by Geospatial Techniques. <i>Chinese Geographical Science</i> , 2019, 29, 258-269.	1.2	7
38	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
39	Randomised controlled trial of WISENSE, a real-time quality improving system for monitoring blind spots during esophagogastroduodenoscopy. <i>Gut</i> , 2019, 68, 2161-2169.	6.1	221
40	Monitoring Land Subsidence in Wuhan City (China) using the SBAS-InSAR Method with Radarsat-2 Imagery Data. <i>Sensors</i> , 2019, 19, 743.	2.1	66
41	Estimating heavy metal concentrations in suburban soils with reflectance spectroscopy. <i>Geoderma</i> , 2019, 336, 59-67.	2.3	102
42	Prediction of soil organic carbon stock by laboratory spectral data and airborne hyperspectral images. <i>Geoderma</i> , 2019, 337, 32-41.	2.3	71
43	Combination of fractional order derivative and memory-based learning algorithm to improve the estimation accuracy of soil organic matter by visible and near-infrared spectroscopy. <i>Catena</i> , 2019, 174, 104-116.	2.2	81
44	Application of fractional-order derivative in the quantitative estimation of soil organic matter content through visible and near-infrared spectroscopy. <i>Geoderma</i> , 2019, 337, 758-769.	2.3	120
45	Estimating lead and zinc concentrations in peri-urban agricultural soils through reflectance spectroscopy: Effects of fractional-order derivative and random forest. <i>Science of the Total Environment</i> , 2019, 651, 1969-1982.	3.9	67
46	Proximal and remote sensing techniques for mapping of soil contamination with heavy metals. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 783-805.	3.4	51
47	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.	1.9	33
48	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.	1.8	31
49	Prediction of Soil Organic Matter by VIS-NIR Spectroscopy Using Normalized Soil Moisture Index as a Proxy of Soil Moisture. <i>Remote Sensing</i> , 2018, 10, 28.	1.8	41
50	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.	3.9	72
51	Transferability of Vis-NIR models for Soil Organic Carbon Estimation between Two Study Areas by using Spiking. <i>Soil Science Society of America Journal</i> , 2018, 82, 1231-1242.	1.2	23
52	Rapid identification of soil organic matter level via visible and near-infrared spectroscopy: Effects of two-dimensional correlation coefficient and extreme learning machine. <i>Science of the Total Environment</i> , 2018, 644, 1232-1243.	3.9	85
53	Combining Fractional Order Derivative and Spectral Variable Selection for Organic Matter Estimation of Homogeneous Soil Samples by VIS-NIR Spectroscopy. <i>Remote Sensing</i> , 2018, 10, 479.	1.8	65
54	Exploring the Sensitivity of Sampling Density in Digital Mapping of Soil Organic Carbon and Its Application in Soil Sampling. <i>Remote Sensing</i> , 2018, 10, 888.	1.8	18

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55	A Tale of North and South: Balanced and Sustainable Development of Primary Education in Ningxia, China. <i>Sustainability</i> , 2018, 10, 559.	1.6	6
56	On the spatial relationship between ecosystem services and urbanization: A case study in Wuhan, China. <i>Science of the Total Environment</i> , 2018, 637-638, 780-790.	3.9	224
57	Risk assessment of land ecology on a regional scale: Application of the relative risk model to the mining city of Daye, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 550-574.	1.7	15
58	Comparisons of spatial and non-spatial models for predicting soil carbon content based on visible and near-infrared spectral technology. <i>Geoderma</i> , 2017, 285, 280-292.	2.3	44
59	Construction of the Calibration Set through Multivariate Analysis in Visible and Near-Infrared Prediction Model for Estimating Soil Organic Matter. <i>Remote Sensing</i> , 2017, 9, 201.	1.8	10
60	Spectroscopic Diagnosis of Arsenic Contamination in Agricultural Soils. <i>Sensors</i> , 2017, 17, 1036.	2.1	20
61	Exploring the Role of the Spatial Characteristics of Visible and Near-Infrared Reflectance in Predicting Soil Organic Carbon Density. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 308.	1.4	8
62	How Leisure Venues Are and Why? A Geospatial Perspective in Wuhan, Central China. <i>Sustainability</i> , 2017, 9, 1865.	1.6	14
63	Improving Spectral Estimation of Soil Organic Carbon Content through Semi-Supervised Regression. <i>Remote Sensing</i> , 2017, 9, 29.	1.8	23
64	An Improved Density-Based Time Series Clustering Method Based on Image Resampling: A Case Study of Surface Deformation Pattern Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 118.	1.4	1
65	An Adaptive Density-Based Time Series Clustering Algorithm: A Case Study on Rainfall Patterns. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 205.	1.4	2
66	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
67	Improving the prediction of arsenic contents in agricultural soils by combining the reflectance spectroscopy of soils and rice plants. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 52, 95-103.	1.4	53
68	Estimation of arsenic in agricultural soils using hyperspectral vegetation indices of rice. <i>Journal of Hazardous Materials</i> , 2016, 308, 243-252.	6.5	84
69	Prediction of the spatial distribution of high-rise residential buildings by the use of a geographic field based autologistic regression model. <i>Journal of Housing and the Built Environment</i> , 2015, 30, 487-508.	0.9	11
70	Comparing geospatial techniques to predict SOC stocks. <i>Soil and Tillage Research</i> , 2015, 148, 46-58.	2.6	65
71	Response to "Visible and near-infrared reflectance spectroscopy is of limited practical use to monitor soil contamination by heavy metals" by Philippe C. Baveye. <i>Journal of Hazardous Materials</i> , 2015, 285, 207.	6.5	1
72	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

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73	Thematic maps for land consolidation planning in Hubei Province, China. <i>Journal of Maps</i> , 2014, 10, 26-34.	1.0	11
74	Prediction of low heavy metal concentrations in agricultural soils using visible and near-infrared reflectance spectroscopy. <i>Geoderma</i> , 2014, 216, 1-9.	2.3	159
75	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.	6.5	265
76	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
77	Monitoring Arsenic Contamination in Agricultural Soils with Reflectance Spectroscopy of Rice Plants. <i>Environmental Science & Technology</i> , 2014, 48, 6264-6272.	4.6	83
78	Estimating Soil Organic Carbon Using VIS/NIR Spectroscopy with SVMR and SPA Methods. <i>Remote Sensing</i> , 2014, 6, 2699-2717.	1.8	119
79	Soil Organic Carbon Content Estimation with Laboratory-Based Visible—Near-Infrared Reflectance Spectroscopy: Feature Selection. <i>Applied Spectroscopy</i> , 2014, 68, 831-837.	1.2	56
80	Estimating Soil Organic Carbon Content with Visible—Near-Infrared (Vis-NIR) Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 712-722.	1.2	36
81	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
82	Adaptive spatial clustering in the presence of obstacles and facilitators. <i>Computers and Geosciences</i> , 2013, 56, 104-118.	2.0	14
83	Simulating the Conversion of Rural Settlements to Town Land Based on Multi-Agent Systems and Cellular Automata. <i>PLoS ONE</i> , 2013, 8, e79300.	1.1	22
84	Feasibility of Estimating Cu Contamination in Floodplain Soils using VNIR Spectroscopy—A Case Study in the Le'an River Floodplain, China. <i>Soil and Sediment Contamination</i> , 2012, 21, 951-969.	1.1	14
85	Estimation of total iron content in floodplain soils using VNIR spectroscopy—a case study in the Le'an River floodplain, China. <i>International Journal of Remote Sensing</i> , 2012, 33, 5954-5972.	1.3	14
86	A density-based spatial clustering algorithm considering both spatial proximity and attribute similarity. <i>Computers and Geosciences</i> , 2012, 46, 296-309.	2.0	75
87	A knowledge-based approach for assessing the quality of Landsat water body mapping product. , 2012, , .		1
88	Mapping of Cu and Pb Contaminations in Soil Using Combined Geochemistry, Topography, and Remote Sensing: A Case Study in the Le'an River Floodplain, China. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 1874-1886.	1.2	23
89	Rural land use spatial allocation in the semiarid loess hilly area in China: Using a Particle Swarm Optimization model equipped with multi-objective optimization techniques. <i>Science China Earth Sciences</i> , 2012, 55, 1166-1177.	2.3	39
90	Potential Supply of Cultivated Land under the Land Consolidation of Rural Residential Areas Based on GIS. , 2010, , .		1

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91	Feasibility of estimating heavy metal concentrations in water column using hyperspectral data and partial least squares regression. , 2009, , .		0