

# Xiaoling Chen

## List of Publications by Year in descending order

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77  
papers

1,613  
citations

331259  
21  
h-index

329751  
37  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating the LSSVM and RBFNN models with three optimization algorithms to predict the soil liquefaction potential. <i>Engineering With Computers</i> , 2022, 38, 3611-3623.	3.5	33
2	Flood susceptibility mapping in an arid region of Pakistan through ensemble machine learning model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3041-3061.	1.9	24
3	Statistical characteristics, trends, and variability of rainfall in Shanxi province, China, during the period 1957–2019. <i>Theoretical and Applied Climatology</i> , 2022, 148, 955-966.	1.3	5
4	Agricultural non-point sources and their effects on chlorophyll-a in a eutrophic lake over three decades (1985–2020). <i>Environmental Science and Pollution Research</i> , 2022, 29, 46634-46648.	2.7	14
5	Optimization of Multi-Ecosystem Model Ensembles to Simulate Vegetation Growth at the Global Scale. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 962-978.	2.7	3
6	Spatiotemporal relationship between Himawari-8 hourly columnar aerosol optical depth (AOD) and ground-level PM2.5 mass concentration in mainland China. <i>Science of the Total Environment</i> , 2021, 765, 144241.	3.9	30
7	Predicting Tropical Monsoon Hydrology Using CFSR and CMADS Data over the Cau River Basin in Vietnam. <i>Water (Switzerland)</i> , 2021, 13, 1314.	1.2	8
8	Changes in Water Environment in Erhai Lake and Its Influencing Factors. <i>Water (Switzerland)</i> , 2021, 13, 1362.	1.2	10
9	Disentangling the roles of land-use-related drivers on vegetation greenness across China. <i>Environmental Research Letters</i> , 2021, 16, 124033.	2.2	7
10	Trend Analysis of Rainfall Time Series in Shanxi Province, Northern China (1957–2019). <i>Water (Switzerland)</i> , 2020, 12, 2335.	1.2	19
11	Assessment of CFSR and CMADS Weather Data for Capturing Extreme Hydrologic Events in the Fuhe River Basin of the Poyang Lake. <i>Journal of the American Water Resources Association</i> , 2020, 56, 917-934.	1.0	11
12	Operational Monitoring and Damage Assessment of Riverine Flood-2014 in the Lower Chenab Plain, Punjab, Pakistan, Using Remote Sensing and GIS Techniques. <i>Remote Sensing</i> , 2020, 12, 714.	1.8	30
13	Watershed-scale-based forecast method for leaf area index data based on the integration of time series MODIS products and meteorological data. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	2
14	The influence of wind speed on infrared temperature in impervious surface areas based on in situ measurement data. <i>GIScience and Remote Sensing</i> , 2019, 56, 843-863.	2.4	2
15	Has Government Water Protection Policy Taken Effect on Preventing Harmful Algal Blooms in Erhai Lake?. , 2019, , .		0
16	Numerical Study of Remote Sensed Dredging Impacts on the Suspended Sediment Transport in China's Largest Freshwater Lake. <i>Water (Switzerland)</i> , 2019, 11, 2449.	1.2	12
17	Classification of Forest Vegetation Type Using Fused NDVI Time Series Data Based on STNLFFM. , 2019, , .		3
18	Research on Real-Time Local Rainfall Prediction Based on MEMS Sensors. <i>Journal of Sensors</i> , 2018, 2018, 1-9.	0.6	45

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19	Estimation of Soil Moisture Index Using Multi-Temporal Sentinel-1 Images over Poyang Lake Ungauged Zone. <i>Remote Sensing</i> , 2018, 10, 12.	1.8	25
20	Dynamic Change in the Water-Level Fluctuation Zone of the Danjiangkou Reservoir and Its Influence on Water Quality. <i>Sustainability</i> , 2018, 10, 1025.	1.6	12
21	Evaluation of spatiotemporal differences in suspended sediment concentration derived from remote sensing and numerical simulation for coastal waters. <i>Journal of Coastal Conservation</i> , 2017, 21, 197-207.	0.7	3
22	Tracing sources of nitrate using water chemistry, land use and nitrogen isotopes in the Ganjiang River, China. <i>Isotopes in Environmental and Health Studies</i> , 2017, 53, 539-551.	0.5	11
23	High Resolution Aerosol Optical Depth Retrieval Using Gaofen-1 WFV Camera Data. <i>Remote Sensing</i> , 2017, 9, 89.	1.8	26
24	Remote Sensing of the Water Storage Dynamics of Large Lakes and Reservoirs in the Yangtze River Basin from 2000 to 2014. <i>Scientific Reports</i> , 2016, 6, 36405.	1.6	74
25	Water age prediction and its potential impacts on water quality using a hydrodynamic model for Poyang Lake, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13327-13341.	2.7	55
26	MODIS observations of water color of the largest 10 lakes in China between 2000 and 2012. <i>International Journal of Digital Earth</i> , 2016, 9, 788-805.	1.6	38
27	Retrieval of total suspended matter concentration from Gaofen-1 Wide Field Imager (WFI) multispectral imagery with the assistance of Terra MODIS in turbid water " case in Deep Bay. <i>International Journal of Remote Sensing</i> , 2016, 37, 3400-3413.	1.3	17
28	Microbial diversity in lake"river ecotone of Poyang Lake, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	29
29	Spatiotemporal data model for network time geographic analysis in the era of big data. <i>International Journal of Geographical Information Science</i> , 2016, 30, 1041-1071.	2.2	70
30	Influence of suspended particle size distribution on the variability of water optical properties of the Poyang Lake, China. , 2015, , .		0
31	Hydrodynamic and Inundation Modeling of China's Largest Freshwater Lake Aided by Remote Sensing Data. <i>Remote Sensing</i> , 2015, 7, 4858-4879.	1.8	30
32	Long-Term Distribution Patterns of Chlorophyll-a Concentration in China's Largest Freshwater Lake: MERIS Full-Resolution Observations with a Practical Approach. <i>Remote Sensing</i> , 2015, 7, 275-299.	1.8	77
33	Validation of hydrodynamic model by remote sensing data for China's largest freshwater lake. , 2015, , .		1
34	Optimizing Remote Sensing-Based Level"Area Modeling of Large Lake Wetlands: Case Study of Poyang Lake. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 471-479.	2.3	13
35	On the consistency of HJ-1A CCD1 and Terra/MODIS measurements for improved spatio-temporal monitoring of inland water: a case in Poyang Lake. <i>Remote Sensing Letters</i> , 2015, 6, 351-359.	0.6	10
36	Towards a practical remote-sensing model of suspended sediment concentrations in turbid waters using MERIS measurements. <i>International Journal of Remote Sensing</i> , 2015, 36, 3875-3889.	1.3	11

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37	An evaluation of the temporal stability of HJ-1 CCD data using a desert calibration site and Landsat 7 ETM+. <i>International Journal of Remote Sensing</i> , 2015, 36, 3733-3750.	1.3	6
38	Assimilation of remote sensing observations into a sediment transport model of China's largest freshwater lake: spatial and temporal effects. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18779-18792.	2.7	13
39	Assessment of Total Suspended Sediment Distribution under Varying Tidal Conditions in Deep Bay: Initial Results from HJ-1A/1B Satellite CCD Images. <i>Remote Sensing</i> , 2014, 6, 9911-9929.	1.8	24
40	MERIS observations of chlorophyll-a dynamics in Erhai Lake between 2003 and 2009. <i>International Journal of Remote Sensing</i> , 2014, 35, 8309-8322.	1.3	16
41	Modification and validation of a quasi-analytical algorithm for inherent optical properties in the turbid waters of Poyang Lake, China. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083643.	0.6	12
42	Numerical modeling of cohesive sediment transport in a tidal bay with current velocity assimilation. <i>Journal of Oceanography</i> , 2014, 70, 505-519.	0.7	1
43	Quantifying Contribution of Land Use Types to Nighttime Light Using an Unmixing Model. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1667-1671.	1.4	20
44	Validation of semi-analytical inversion models for inherent optical properties from ocean color in coastal Yellow Sea and East China Sea. <i>Journal of Oceanography</i> , 2013, 69, 713-725.	0.7	12
45	Potential of NPP-VIIRS Nighttime Light Imagery for Modeling the Regional Economy of China. <i>Remote Sensing</i> , 2013, 5, 3057-3081.	1.8	321
46	Detecting Zimbabwe's Decadal Economic Decline Using Nighttime Light Imagery. <i>Remote Sensing</i> , 2013, 5, 4551-4570.	1.8	50
47	Examining the Satellite-Detected Urban Land Use Spatial Patterns Using Multidimensional Fractal Dimension Indices. <i>Remote Sensing</i> , 2013, 5, 5152-5172.	1.8	21
48	Impact of training database on super resolution-based spectral unmixing. <i>Remote Sensing Letters</i> , 2012, 3, 647-655.	0.6	0
49	Development of dynamic three-dimensional coastal information system: a case study in Hong Kong. <i>Journal of Hydroinformatics</i> , 2012, 14, 815-828.	1.1	1
50	Satellites Capture the Drought Severity Around China's Largest Freshwater Lake. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1266-1271.	2.3	45
51	Assessment of total suspended sediment concentrations in Poyang Lake using HJ-1A/1B CCD imagery. <i>Chinese Journal of Oceanology and Limnology</i> , 2012, 30, 295-304.	0.7	29
52	Quantification of Extensional Uncertainty of Segmented Image Objects by Random Sets. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 2548-2557.	2.7	12
53	A super resolution approach for spectral unmixing of remote sensing images. <i>International Journal of Remote Sensing</i> , 2011, 32, 6091-6107.	1.3	9
54	Application of random sets to model uncertainties of natural entities extracted from remote sensing images. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010, 24, 713-723.	1.9	16

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55	Application of remote sensing and GIS in the study of environmental sensitivity to desertification: a case study in Basrah Province, southern part of Iraq. <i>Applied Geomatics</i> , 2010, 2, 101-112.	1.2	27
56	Atmospheric correction of HJ-1A/B CCD images over Chinese coastal waters using MODIS-Terra aerosol data. <i>Science China Technological Sciences</i> , 2010, 53, 191-195.	2.0	15
57	Atmospheric Correction of MERIS over Turbid Waters Using Aerosol Information from MODIS. , 2010, , .		0
58	Exploring some issues of sub-pixel mapping based on directly spatial attraction. , 2010, , .		0
59	Remotely sensed monitoring of snow cover based on AMSR-E passive microwave brightness temperature. , 2010, , .		0
60	Spatial interpolation of precipitation considering geographic and topographic influences - A case study in the Poyang Lake Watershed, china. , 2010, , .		6
61	Atmospheric correction of ocean color imagery over turbid coastal waters using active and passive remote sensing. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 124-128.	0.7	7
62	Remote Sensing and GIS-Based Flood Vulnerability Assessment in Jiangxi Province in China. , 2008, , .		1
63	Application of Geo-Spatial Information Technology in the Engineering Manage of Roller Compaction Construction. , 2008, , .		4
64	Quantifying NDVI Cross-Scale Relationship using Spatial Autocorrelation. , 2008, , .		0
65	Spatial Data Management and Analysis System for Flood Hazard Mitigation of Poyang Lake Watershed, China. <i>Annals of GIS</i> , 2007, 13, 10-17.	1.4	0
66	Aerosol optical properties over China Sea based on measurements by handheld sun photometer. , 2007, , .		0
67	An fast integrated searching strategy and application in multi-source massive image database for Disaster Mitigation and Relief. , 2007, , .		0
68	Wavelet image fusion based on the high order polynomial regression. , 2007, , .		1
69	Expert classification method based on patch-based neighborhood searching algorithm. <i>Geo-Spatial Information Science</i> , 2007, 10, 37-43.	2.4	10
70	Land degradation assessment with the aid of geo-information techniques. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 777-784.	1.2	22
71	Title is missing!. <i>Geo Journal</i> , 2002, 56, 177-183.	1.7	63
72	Correction of regular errors in the supervised classification results based on object-neighborhood searching. , 0, , .		0

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73	Assessment of soil quality using GIS & RS. , 0, , .		4
74	A WebGIS-based browser plug-in approach to share spatial information. , 0, , .		5
75	Use of normalized difference bareness index in quickly mapping bare areas from TM/ETM+. , 0, , .		72
76	Detection and evaluation of vegetation change and urbanization in the central China. , 0, , .		2
77	Riverine flood mapping and impact assessment using remote sensing technique: a case study of Chenab flood-2014 in Multan district, Punjab, Pakistan. Natural Hazards, 0, , 1.	1.6	6