

Jiaping Wu

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

2,152
citations

25
h-index

44
g-index

90
ext. papers

2,754
ext. citations

4.8
avg. IF

5.14
L-index

#	Paper	IF	Citations
88	CTDA methodology 2022 , 57-100		
87	Studying physical laws 2022 , 385-406		
86	Modern geostatistics 2022 , 213-266		
85	Chronotopologic BME estimation 2022 , 345-383		
84	Spatiotemporal Mapping of Salt Marshes in the Intertidal Zone of China during 1985–2019. <i>Journal of Remote Sensing</i> , 2022 , 2022, 1-15		4
83	CTDA by dimensionality reduction 2022 , 407-429		
82	Chrono-geographic statistics 2022 , 101-148		
81	Syntheses of CTDA techniques with DIA models 2022 , 449-475		
80	Underestimated PAH accumulation potential of blue carbon vegetation: Evidence from sedimentary records of saltmarsh and mangrove in Yueqing Bay, China.. <i>Science of the Total Environment</i> , 2022 , 817, 152887	10.2	3
79	Bayesian maximum entropy interpolation of sea surface temperature data: A comparative assessment. <i>International Journal of Remote Sensing</i> , 2022 , 43, 148-166	3.1	1
78	Changes to the structure and function of microbial communities in <i>Spartina alterniflora</i> and <i>Kandelia obovata</i> sediments as a factor of stand age. <i>Applied Soil Ecology</i> , 2022 , 177, 104544	5	0
77	Distribution, accumulation and health risk assessment of trace elements in <i>Sargassum fusiforme</i> . <i>Marine Pollution Bulletin</i> , 2021 , 174, 113155	6.7	0
76	Spatiotemporal variation of the association between sea surface temperature and chlorophyll in global ocean during 2002–2019 based on a novel WCA-BME approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 105, 102620	7.3	1
75	Changes of the Macrobenthos Community with Non-native Mangrove Rehabilitation (<i>Kandelia obovata</i>) and Salt Marsh Invasion (<i>Spartina alterniflora</i>) in Ximen Island, Zhejiang, China. <i>Ocean Science Journal</i> , 2021 , 56, 395	1.1	3
74	Wetland changes and their impacts on livelihoods in Chiang Saen Valley, Chiang Rai Province, Thailand. <i>Regional Environmental Change</i> , 2021 , 21, 1	4.3	0
73	Artificial light source selection in seaweed production: growth of seaweed and biosynthesis of photosynthetic pigments and soluble protein. <i>PeerJ</i> , 2021 , 9, e11351	3.1	0
72	Seaweed farms provide refugia from ocean acidification. <i>Science of the Total Environment</i> , 2021 , 776, 145192	10.2	16

71	Stocks and losses of soil organic carbon from Chinese vegetated coastal habitats. <i>Global Change Biology</i> , 2021 , 27, 202-214	11.4	12
70	Areal Extent, Species Composition, and Spatial Distribution of Coastal Saltmarshes in China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 7085-7094	4.7	8
69	Effects of Ecological Restoration Using Non-Native Mangrove <i>Kandelia obovata</i> to Replace Invasive <i>Spartina alterniflora</i> on Intertidal Macrobenthos Community in Maoyan Island (Zhejiang, China). <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 788	2.4	2
68	An AHP-based regional COVID-19 vulnerability model and its application in China. <i>Modeling Earth Systems and Environment</i> , 2021 , 1-14	3.2	3
67	A Study of COVID-19 in the Wuhan, Beijing, Urumqi and Dalian Cities based on the Regional Disease Vulnerability Index. <i>Journal of Infection and Public Health</i> , 2021 ,	7.4	1
66	The contribution of ocean-based solutions to carbon reduction in China. <i>Science of the Total Environment</i> , 2021 , 797, 149168	10.2	10
65	Spatiotemporal BME characterization and mapping of sea surface chlorophyll in Chesapeake Bay (USA) using auxiliary sea surface temperature data. <i>Science of the Total Environment</i> , 2021 , 794, 148670	10.2	5
64	Effects of biochar particle size and concomitant nitrogen fertilization on soil microbial community structure during the maize seedling stage. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 13095-13104	5.1	8
63	Opportunities for blue carbon strategies in China. <i>Ocean and Coastal Management</i> , 2020 , 194, 105241	3.9	22
62	Space-time chlorophyll-a retrieval in optically complex waters that accounts for remote sensing and modeling uncertainties and improves remote estimation accuracy. <i>Water Research</i> , 2020 , 171, 115403	12.5	22
61	Spatial variability assessment of La and Nd concentrations in coastal China soils following 1000 years of land reclamation. <i>Journal of Soils and Sediments</i> , 2020 , 20, 1651-1661	3.4	1
60	Comparative infection modeling and control of COVID-19 transmission patterns in China, South Korea, Italy and Iran. <i>Science of the Total Environment</i> , 2020 , 747, 141447	10.2	32
59	Probabilistic logic analysis of the highly heterogeneous spatiotemporal HFRS incidence distribution in Heilongjiang province (China) during 2005-2013. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007091	4.8	15
58	Space-Time Characterization and Risk Assessment of Nutrient Pollutant Concentrations in China's Near Seas. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 4449-4463	3.3	4
57	The considerable environmental benefits of seaweed aquaculture in China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1203-1221	3.5	24
56	Remote sensing mapping of macroalgal farms by modifying thresholds in the classification tree. <i>Geocarto International</i> , 2019 , 34, 1098-1108	2.7	6
55	Warming Amplifies the Frequency of Harmful Algal Blooms with Eutrophication in Chinese Coastal Waters. <i>Environmental Science & Technology</i> , 2019 , 53, 13031-13041	10.3	33
54	Resource (Light and Nitrogen) and Density-Dependence of Seaweed Growth. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	5

53	Changes of Wiang Nong Lom and Nong Luang Wetlands in Chiang Saen Valley (Chiang Rai Province, Thailand) During the Period 1988-2017. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 4224-4238	4.7	3
52	Screening of seaweeds in the East China Sea as potential bio-monitors of heavy metals. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 16640-16651	5.1	22
51	Adequacy of TRMM satellite rainfall data in driving the SWAT modeling of Tiaoxi catchment (Taihu lake basin, China). <i>Journal of Hydrology</i> , 2018 , 556, 1139-1152	6	72
50	Object- and pixel-based classifications of macroalgae farming area with high spatial resolution imagery. <i>Geocarto International</i> , 2018 , 33, 1048-1063	2.7	15
49	Contribution of industrial density and socioeconomic status to the spatial distribution of thyroid cancer risk in Hangzhou, China. <i>Science of the Total Environment</i> , 2018 , 613-614, 679-686	10.2	8
48	Spatial Distribution of Cadmium and Zinc in Soils of Northern North Dakota. <i>Agronomy Journal</i> , 2018 , 110, 1666-1680	2.2	1
47	Spatiotemporal variation of the association between climate dynamics and HFRS outbreaks in Eastern China during 2005-2016 and its geographic determinants. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006554	4.8	22
46	Losses of salt marsh in China: Trends, threats and management. <i>Estuarine, Coastal and Shelf Science</i> , 2018 , 214, 98-109	2.9	57
45	Trade-offs and spatial dependency of rice production and environmental consequences at community level in Southeastern China. <i>Environmental Research Letters</i> , 2018 , 13, 024021	6.2	6
44	Nutrient removal from Chinese coastal waters by large-scale seaweed aquaculture. <i>Scientific Reports</i> , 2017 , 7, 46613	4.9	84
43	Improving Spatiotemporal Breast Cancer Assessment and Prediction in Hangzhou City, China. <i>Scientific Reports</i> , 2017 , 7, 3188	4.9	3
42	Can Seaweed Farming Play a Role in Climate Change Mitigation and Adaptation?. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	171
41	Spatiotemporal analysis and risk assessment of thyroid cancer in Hangzhou, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 2155-2168	3.5	13
40	A Geographic Analysis about the Spatiotemporal Pattern of Breast Cancer in Hangzhou from 2008 to 2012. <i>PLoS ONE</i> , 2016 , 11, e0147866	3.7	8
39	Soil Landscape Pattern Changes in Response to Rural Anthropogenic Activity across Tiaoxi Watershed, China. <i>PLoS ONE</i> , 2016 , 11, e0166224	3.7	8
38	Spatiotemporal Co-existence of Female Thyroid and Breast Cancers in Hangzhou, China. <i>Scientific Reports</i> , 2016 , 6, 28524	4.9	8
37	Status of heavy metals in soils following long-term river sediment application in plain river network region, southern China. <i>Journal of Soils and Sediments</i> , 2015 , 15, 2285-2292	3.4	10
36	Effects of aged and fresh biochars on soil acidity under different incubation conditions. <i>Soil and Tillage Research</i> , 2015 , 146, 133-138	6.5	66

35	Carbon mineralization following additions of fresh and aged biochar to an infertile soil. <i>Catena</i> , 2015 , 125, 183-189	5.8	35
34	Urban-rural disparity of breast cancer and socioeconomic risk factors in China. <i>PLoS ONE</i> , 2015 , 10, e0117572	3.7	30
33	Soil carbon mineralization following biochar addition associated with external nitrogen. <i>Chilean Journal of Agricultural Research</i> , 2015 , 75, 465-471	1.9	5
32	Effects of biochar on the acidity of a loamy clay soil under different incubation conditions. <i>Journal of Soils and Sediments</i> , 2015 , 15, 1919-1926	3.4	14
31	effects of natural flavonoids on photosynthetic activity and cell integrity in <i>Microcystis aeruginosa</i> . <i>Toxins</i> , 2015 , 7, 66-80	4.9	63
30	Monitoring the Invasion of <i>Spartina alterniflora</i> from 1993 to 2014 with Landsat TM and SPOT 6 Satellite Data in Yueqing Bay, China. <i>PLoS ONE</i> , 2015 , 10, e0135538	3.7	32
29	Effect of Long-Term Reclamation on Soil Properties on a Coastal Plain, Southeast China. <i>Journal of Coastal Research</i> , 2014 , 296, 661-669	0.6	16
28	Spatial variability of heavy metals in the coastal soils under long-term reclamation. <i>Estuarine, Coastal and Shelf Science</i> , 2014 , 151, 310-317	2.9	18
27	Thyroid cancer incidence in China between 2005 and 2009. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 1075-1082	3.5	15
26	Comparison and validation of SRTM and ASTER GDEM for a subtropical landscape in Southeastern China. <i>International Journal of Digital Earth</i> , 2014 , 7, 969-992	3.9	45
25	Spatial point pattern analysis of human settlements and geographical associations in eastern coastal China - a case study. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 2818-33	4.6	21
24	Estimating soil organic carbon stocks and spatial patterns with statistical and GIS-based methods. <i>PLoS ONE</i> , 2014 , 9, e97757	3.7	10
23	An online spatiotemporal prediction model for dengue fever epidemic in Kaohsiung (Taiwan). <i>Biometrical Journal</i> , 2014 , 56, 428-40	1.5	16
22	Stochastic Medical Reasoning and Environmental Health Exposure 2014 ,		5
21	Spatial analysis of phytoplankton patterns in relation to environmental factors across the southern Taihu basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1347-1357	3.5	14
20	Identifying determinants of urban growth from a multi-scale perspective: A case study of the urban agglomeration around Hangzhou Bay, China. <i>Applied Geography</i> , 2013 , 45, 193-202	4.4	90
19	Evaluating DEM source and resolution uncertainties in the Soil and Water Assessment Tool. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 209-221	3.5	67
18	Multi-scale spatial determinants of dissolved oxygen and nutrients in Qiantang River, China. <i>Regional Environmental Change</i> , 2013 , 13, 77-89	4.3	16

17	Local spatial modeling of paddy soil landscape patterns in response to urbanization across the urban agglomeration around Hangzhou Bay, China. <i>Applied Geography</i> , 2013 , 39, 158-171	4.4	38
16	Dynamics of soil sealing and soil landscape patterns under rapid urbanization. <i>Catena</i> , 2013 , 109, 1-12	5.8	44
15	Spatial determinants of hazardous chemicals in surface water of Qiantang River, China. <i>Ecological Indicators</i> , 2013 , 24, 375-381	5.8	57
14	Evaluation of MODIS surrogates for meteorological humidity data in east Africa. <i>International Journal of Remote Sensing</i> , 2013 , 34, 4669-4679	3.1	5
13	Geospatial assessment of agroecosystem health: development of an integrated index based on catastrophe theory. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 321-334	3.5	23
12	Water body delineation using index composition and HIS transformation. <i>International Journal of Remote Sensing</i> , 2012 , 33, 3402-3421	3.1	35
11	Spatiotemporal dynamics of soil erosion risk for Anji County, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 751-763	3.5	19
10	Temporal trend and source apportionment of water pollution in different functional zones of Qiantang River, China. <i>Water Research</i> , 2011 , 45, 1781-95	12.5	105
9	Spatio-temporal patterns and source apportionment of pollution in Qiantang River (China) using neural-based modeling and multivariate statistical techniques. <i>Physics and Chemistry of the Earth</i> , 2011 , 36, 379-386	3	53
8	Assessing land ecological security in Shanghai (China) based on catastrophe theory. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 737-746	3.5	77
7	Rural settlement expansion and paddy soil loss across an ex-urbanizing watershed in eastern coastal China during market transition. <i>Regional Environmental Change</i> , 2011 , 11, 651-662	4.3	63
6	Spatial variation and source apportionment of water pollution in Qiantang River (China) using statistical techniques. <i>Water Research</i> , 2010 , 44, 1562-72	12.5	179
5	Empirical estimation of total phosphorus concentration in the mainstream of the Qiantang River in China using Landsat TM data. <i>International Journal of Remote Sensing</i> , 2010 , 31, 2309-2324	3.1	73
4	Integrative fuzzy set pair model for land ecological security assessment: a case study of Xiaolangdi Reservoir Region, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 639-647	3.5	36
3	Natural resource capability of CRP lands as Grasslands in Southwest Kansas: A remote sensing and GIS perspective. <i>Geocarto International</i> , 1996 , 11, 23-28	2.7	10
2	Comparative Analysis of COVID-19 Transmission Patterns in Three Chinese Regions vs. South Korea, Italy and Iran		4
1	Mapping seagrass meadows in coastal China using GEE. <i>Geocarto International</i> , 1-16	2.7	1