Fenzhen Su

List of Publications by Year in descending order

48 papers	1,047 citations	567144 15 h-index	434063 31 g-index
52 all docs	52 docs citations	52 times ranked	1175 citing authors

#	Article	IF	Citations
1	COVID-19: Challenges to GIS with Big Data. Geography and Sustainability, 2020, 1, 77-87.	1.9	349
2	Machine learning-based detection of soil salinity in an arid desert region, Northwest China: A comparison between Landsat-8 OLI and Sentinel-2 MSI. Science of the Total Environment, 2020, 707, 136092.	3.9	130
3	Changes in coastline and coastal reclamation in the three most developed areas of China, 1980â€“2018. Ocean and Coastal Management, 2021, 204, 105542.	2.0	52
4	A data-mining approach to determine the spatio-temporal relationship between environmental factors and fish distribution. Ecological Modelling, 2004, 174, 421-431.	1.2	42
5	Impacts of Urbanization on the Ecosystem Services in the Guangdong-Hong Kong-Macao Greater Bay Area, China. Remote Sensing, 2020, 12, 3269.	1.8	39
6	Rapid greening response of Chinaâ€™s 2020 spring vegetation to COVID-19 restrictions: Implications for climate change. Science Advances, 2021, 7, .	4.7	32
7	An Improved DINEOF Algorithm for Filling Missing Values in Spatio-Temporal Sea Surface Temperature Data. PLoS ONE, 2016, 11, e0155928.	1.1	32
8	Spatial and temporal variability of thermal stress to Chinaâ€™s coral reefs in South China Sea. Chinese Geographical Science, 2015, 25, 159-173.	1.2	26
9	Evaluation of submerged mangrove recognition index using multi-tidal remote sensing data. Ecological Indicators, 2020, 113, 106196.	2.6	21
10	Ecological carrying capacity and sustainability assessment for coastal zones: A novel framework based on spatial scene and three-dimensional ecological footprint model. Ecological Modelling, 2022, 466, 109881.	1.2	21
11	Scale effects of the continental coastline of China. Journal of Chinese Geography, 2011, 21, 1101-1111.	1.5	20
12	Mining Coastal Land Use Sequential Pattern and Its Land Use Associations Based on Association Rule Mining. Remote Sensing, 2017, 9, 116.	1.8	19
13	A temporal accessibility model for assessing the ability of search and rescue in Nansha Islands, South China Sea. Ocean and Coastal Management, 2014, 95, 46-52.	2.0	18
14	Construction land sprawl and reclamation in the Johor River Estuary of Malaysia since 1973. Ocean and Coastal Management, 2019, 171, 87-95.	2.0	16
15	An evolving assessment model for environmental carrying capacity: A case study of coral reef islands. Journal of Environmental Management, 2019, 233, 543-552.	3.8	16
16	Web-based spatiotemporal visualization of marine environment data. Chinese Journal of Oceanology and Limnology, 2010, 28, 1086-1094.	0.7	15
17	Clustering Coastal Land Use Sequence Patterns along the Seaâ€“Land Direction: A Case Study in the Coastal Zone of Bohai Bay and the Yellow River Delta, China. Remote Sensing, 2019, 11, 2024.	1.8	15
18	Spatialâ€“Temporal Evolution and Analysis of the Driving Force of Oil Palm Patterns in Malaysia from 2000 to 2018. ISPRS International Journal of Geo-Information, 2020, 9, 280.	1.4	14

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19	Variations in ecosystem services in response to paddy expansion in the Sanjiang Plain, Northeast China. International Journal of Agricultural Sustainability, 2019, 17, 158-171.	1.3	13
20	Automatic Extraction of Offshore Platforms in Single SAR Images Based on a Dual-Step-Modified Model. Sensors, 2019, 19, 231.	2.1	13
21	Reconstruction of Satellite-Derived Sea Surface Temperature Data Based on an Improved DINEOF Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4181-4188.	2.3	12
22	Global Fisheries Responses to Culture, Policy and COVID-19 from 2017 to 2020. Remote Sensing, 2021, 13, 4507.	1.8	12
23	Ecosystem service changes in response to mainland coastline movements in China: Process, pattern, and trade-off. Ecological Indicators, 2020, 116, 106337.	2.6	10
24	Regional hard coral distribution within geomorphic and reef flat ecological zones determined by satellite imagery of the Xisha Islands, South China Sea. Chinese Journal of Oceanology and Limnology, 2017, 35, 501-514.	0.7	9
25	Offshore Platform Extraction Using RadarSat-2 SAR Imagery: A Two-Parameter CFAR Method Based on Maximum Entropy. Entropy, 2019, 21, 556.	1.1	9
26	The geographical characteristics of Nansha Islands in the South China Sea. Journal of Chinese Geography, 2018, 28, 957-972.	1.5	8
27	Impact of Port Construction on the Spatial Pattern of Land Use in Coastal Zones Based on CLDI and LUT Models: A Case Study of Qingdao and Yantai. Remote Sensing, 2021, 13, 3110.	1.8	8
28	Land Use Optimization for Coastal Urban Agglomerations Based on Economic and Ecological Gravitational Linkages and Accessibility. Land, 2022, 11, 1003.	1.2	8
29	An index-based spatial evaluation model of exploitative intensity: A case study of coastal zone in Vietnam. Journal of Chinese Geography, 2018, 28, 291-305.	1.5	7
30	Ecosystem Services Changes on Farmland in Response to Urbanization in the Guangdongâ€“Hong Kongâ€“Macao Greater Bay Area of China. Land, 2021, 10, 501.	1.2	7
31	A model of sea surface temperature front detection based on a threshold interval. Acta Oceanologica Sinica, 2014, 33, 65-71.	0.4	6
32	Spatially Modeling the Synergistic Impacts of Global Warming and Sea-Level Rise on Coral Reefs in the South China Sea. Remote Sensing, 2021, 13, 2626.	1.8	6
33	Application of a sea surface temperature front composite algorithm in the Bohai, Yellow, and East China Seas. Chinese Journal of Oceanology and Limnology, 2016, 34, 597-607.	0.7	5
34	Applications of Deep Learning-Based Super-Resolution for Sea Surface Temperature Reconstruction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 887-896.	2.3	5
35	Using Landsat Data to Detect Change in Live to Recently (<6 Months) Dead Coral Cover in the Western Xisha Islands, South China Sea. Sustainability, 2020, 12, 5237.	1.6	4
36	Offshore Hydrocarbon Exploitation Observations from VIIRS NTL Images: Analyzing the Intensity Changes and Development Trends in the South China Sea from 2012 to 2019. Remote Sensing, 2021, 13, 946.	1.8	4

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37	A physical Impulse-based approach to evaluate the exploitative intensity of Bayâ€"A case study of Daya Bay in China. Ocean and Coastal Management, 2012, 69, 151-159.	2.0	3
38	Optical and SAR image registration based on improved nonsubsampled wavelet transform for sea islands. Acta Oceanologica Sinica, 2014, 33, 86-95.	0.4	3
39	Spatial Pattern of Construction Land Distribution in Bays along the Coast of Vietnam. ISPRS International Journal of Geo-Information, 2020, 9, 707.	1.4	3
40	Application of the Model of Universal Gravity to Oceanic Front Detection Near the Kuroshio Front. Geo-information Science, 2013, 15, 187.	0.1	3
41	Reconstructing High-Precision Coral Reef Geomorphology from Active Remote Sensing Datasets: A Robust Spatial Variability Modified Ordinary Kriging Method. Remote Sensing, 2022, 14, 253.	1.8	3
42	Morphological Precision Assessment of Reconstructed Surface Models for a Coral Atoll Lagoon. Sustainability, 2018, 10, 2749.	1.6	2
43	Mining the association rules between port shoreline and land utilization intensity: a case study in the coastal zone of Kuala Lumpur, Malaysia. Geocarto International, 2022, 37, 2913-2930.	1.7	2
44	Can the Structure Similarity of Training Patches Affect the Sea Surface Temperature Deep Learning Super-Resolution?. Remote Sensing, 2021, 13, 3568.	1.8	2
45	A Dynamic Axis-Area Analysis Method of Bay Use Change. , 2008, , .		1
46	Development of a comprehensive assessment model for coral reef island carrying capacity(CORE-CC). Scientific Reports, 2021, 11, 3917.	1.6	1
47	Geo-intelligence for Pandemic Prevention and Control. Advances in Geographical and Environmental Sciences, 2021, , 83-94.	0.4	0
48	Expansion of Construction Land in the Coastal Areas: A Case Study of the Guangdong - Hong Kong - Macao Greater Bay Area, China. , 2021, , .		0