

Mohammad Karimi Firozjaei

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,316
citations

279701

23
h-index

345118

36
g-index

41
all docs

41
docs citations

41
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact assessment modeling of climatic conditions on spatial-temporal changes in surface biophysical properties driven by urban physical expansion using satellite images. <i>Sustainable Cities and Society</i> , 2022, 80, 103757.	5.1	14
2	Evaluation of Seasonal, Drought, and Wet Condition Effects on Performance of Satellite-Based Precipitation Data over Different Climatic Conditions in Iran. <i>Remote Sensing</i> , 2022, 14, 76.	1.8	8
3	Quantification of landscape metrics effects on downscaled urban land surface temperature accuracy of satellite imagery. <i>Advances in Space Research</i> , 2022, 70, 35-47.	1.2	4
4	Integrated Land Use and Urban Function Impacts on Land Surface Temperature: Implications on Urban Heat Mitigation in Berlin with Eight-Type Spaces. <i>Sustainable Cities and Society</i> , 2022, 83, 103944.	5.1	13
5	Impact of surface characteristics and their adjacency effects on urban land surface temperature in different seasonal conditions and latitudes. <i>Building and Environment</i> , 2022, 219, 109145.	3.0	12
6	The site selection of wind energy power plant using GIS-multi-criteria evaluation from economic perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112778.	8.2	34
7	A novel method to quantify urban surface ecological poorness zone: A case study of several European cities. <i>Science of the Total Environment</i> , 2021, 757, 143755.	3.9	39
8	A New Integrated Approach for Municipal Landfill Siting Based on Urban Physical Growth Prediction: A Case Study Mashhad Metropolis in Iran. <i>Remote Sensing</i> , 2021, 13, 949.	1.8	26
9	A historical and future impact assessment of mining activities on surface biophysical characteristics change: A remote sensing-based approach. <i>Ecological Indicators</i> , 2021, 122, 107264.	2.6	45
10	Land Surface Ecological Status Composition Index (LSESCI): A novel remote sensing-based technique for modeling land surface ecological status. <i>Ecological Indicators</i> , 2021, 123, 107375.	2.6	31
11	Quantifying the effect of surface heterogeneity on soil moisture across regions and surface characteristic. <i>Journal of Hydrology</i> , 2021, 596, 126132.	2.3	9
12	Modeling the impact of the COVID-19 lockdowns on urban surface ecological status: A case study of Milan and Wuhan cities. <i>Journal of Environmental Management</i> , 2021, 286, 112236.	3.8	30
13	Modelling surface heat island intensity according to differences of biophysical characteristics: A case study of Amol city, Iran. <i>Ecological Indicators</i> , 2020, 109, 105816.	2.6	33
14	An urban growth simulation model based on integration of local weights and decision risk values. <i>Transactions in GIS</i> , 2020, 24, 1695-1721.	1.0	12
15	Evaluating the Spectral Indices Efficiency to Quantify Daytime Surface Anthropogenic Heat Island Intensity: An Intercontinental Methodology. <i>Remote Sensing</i> , 2020, 12, 2854.	1.8	18
16	A Remotely Sensed Assessment of Surface Ecological Change over the Gomishan Wetland, Iran. <i>Remote Sensing</i> , 2020, 12, 2989.	1.8	51
17	Modeling outdoor thermal comfort using satellite imagery: A principle component analysis-based approach. <i>Ecological Indicators</i> , 2020, 117, 106555.	2.6	38
18	A new approach for modeling near surface temperature lapse rate based on normalized land surface temperature data. <i>Remote Sensing of Environment</i> , 2020, 242, 111746.	4.6	36

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19	Remotely Sensed Urban Surface Ecological Index (RSUSEI): An Analytical Framework for Assessing the Surface Ecological Status in Urban Environments. <i>Remote Sensing</i> , 2020, 12, 2029.	1.8	41
20	Modelling the intensity of surface urban heat island and predicting the emerging patterns: Landsat multi-temporal images and Tehran as case study. <i>International Journal of Remote Sensing</i> , 2020, 41, 7400-7426.	1.3	27
21	On the effect of geographical, topographic and climatic conditions on feed-in tariff optimization for solar photovoltaic electricity generation: A case study in Iran. <i>Renewable Energy</i> , 2020, 153, 430-439.	4.3	18
22	Spatial modeling of areas suitable for public libraries construction by integration of GIS and multi-attribute decision making: Case study Tehran, Iran. <i>Library and Information Science Research</i> , 2020, 42, 101017.	1.2	18
23	Surface anthropogenic heat islands in six megacities: An assessment based on a triple-source surface energy balance model. <i>Remote Sensing of Environment</i> , 2020, 242, 111751.	4.6	61
24	A PCA-OLS Model for Assessing the Impact of Surface Biophysical Parameters on Land Surface Temperature Variations. <i>Remote Sensing</i> , 2019, 11, 2094.	1.8	33
25	Automated Built-Up Extraction Index: A New Technique for Mapping Surface Built-Up Areas Using LANDSAT 8 OLI Imagery. <i>Remote Sensing</i> , 2019, 11, 1966.	1.8	40
26	A risk-based multi-criteria spatial decision analysis for solar power plant site selection in different climates: A case study in Iran. <i>Renewable Energy</i> , 2019, 143, 958-973.	4.3	126
27	A geographical direction-based approach for capturing the local variation of urban expansion in the application of CA-Markov model. <i>Cities</i> , 2019, 93, 120-135.	2.7	69
28	Modeling thermal comfort in different condition of mind using satellite images: An Ordered Weighted Averaging approach and a case study. <i>Ecological Indicators</i> , 2019, 104, 1-12.	2.6	45
29	Homogeneity Distance Classification Algorithm (HDCA): A Novel Algorithm for Satellite Image Classification. <i>Remote Sensing</i> , 2019, 11, 546.	1.8	11
30	An evaluation of energy balance parameters, and the relations between topographical and biophysical characteristics using the mountainous surface energy balance algorithm for land (SEBAL). <i>International Journal of Remote Sensing</i> , 2019, 40, 5230-5260.	1.3	14
31	Normalizing land surface temperature for environmental parameters in mountainous and urban areas of a cold semi-arid climate. <i>Science of the Total Environment</i> , 2019, 650, 515-529.	3.9	55
32	Statistical analysis of surface urban heat island intensity variations: A case study of Babol city, Iran. <i>GIScience and Remote Sensing</i> , 2019, 56, 576-604.	2.4	70
33	An integrated GIS-based Ordered Weighted Averaging analysis for solar energy evaluation in Iran: Current conditions and future planning. <i>Renewable Energy</i> , 2019, 136, 1130-1146.	4.3	94
34	Propose a Variance-based Model for Normalizing Satellite Images Derived Land Surface Temperature Relative to Environmental Parameters. <i>Journal of Geospatial Information Technology</i> , 2019, 7, 83-112.	0.2	0
35	Developing a model for simulating urban expansion based on the concept of decision risk: A case study in Babol city. <i>Journal of Geospatial Information Technology</i> , 2019, 7, 115-135.	0.2	0
36	Monitoring and forecasting heat island intensity through multi-temporal image analysis and cellular automata-Markov chain modelling: A case of Babol city, Iran. <i>Ecological Indicators</i> , 2018, 91, 155-170.	2.6	89

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37	Effect of environmental policies in combating aeolian desertification over Sejzy Plain of Iran. <i>Aeolian Research</i> , 2018, 35, 19-28.	1.1	39
38	Investigating the relationship between heat island intensity and biophysical characteristics differences between built-up and non-built-up regions (Case Study: Cities in East Mazandaran). <i>Journal of Geospatial Information Technology</i> , 2018, 6, 165-189.	0.2	5
39	Monitoring and predicting spatial-temporal changes heat island in Babol city due to urban sprawl and land use changes. <i>Journal of Geospatial Information Technology</i> , 2017, 5, 123-151.	0.2	6
40	Decision-level Integration Window Strategy in Satellite Imagery-derived Land Surface Temperature Disaggregation. <i>Geocarto International</i> , 0, , 1-17.	1.7	2