Mohammad Karimi Firozjaei

List of Publications by Year
in descending order

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	A risk-based multi-criteria spatial decision analysis for solar power plant site selection in different climates: A case study in Iran. Renewable Energy, 2019, 143, 958-973.	4.3	126
2	An integrated GIS-based Ordered Weighted Averaging analysis for solar energy evaluation in Iran: Current conditions and future planning. Renewable Energy, 2019, 136, 1130-1146.	4.3	94
3	Monitoring and forecasting heat island intensity through multi-temporal image analysis and cellular automata-Markov chain modelling: A case of Babol city, Iran. Ecological Indicators, 2018, 91, 155-170.	2.6	89
4	Statistical analysis of surface urban heat island intensity variations: A case study of Babol city, Iran. GIScience and Remote Sensing, 2019, 56, 576-604.	2.4	70
5	A geographical direction-based approach for capturing the local variation of urban expansion in the application of CA-Markov model. Cities, 2019, 93, 120-135.	2.7	69
6	Surface anthropogenic heat islands in six megacities: An assessment based on a triple-source surface energy balance model. Remote Sensing of Environment, 2020, 242, 111751.	4.6	61
7	Normalizing land surface temperature for environmental parameters in mountainous and urban areas of a cold semi-arid climate. Science of the Total Environment, 2019, 650, 515-529.	3.9	55
8	A Remotely Sensed Assessment of Surface Ecological Change over the Gomishan Wetland, Iran. Remote Sensing, 2020, 12, 2989.	1.8	51
9	Modeling thermal comfort in different condition of mind using satellite images: An Ordered Weighted Averaging approach and a case study. Ecological Indicators, 2019, 104, 1-12.	2.6	45
10	A historical and future impact assessment of mining activities on surface biophysical characteristics change: A remote sensing-based approach. Ecological Indicators, 2021, 122, 107264.	2.6	45
11	Remotely Sensed Urban Surface Ecological Index (RSUSEI): An Analytical Framework for Assessing the Surface Ecological Status in Urban Environments. Remote Sensing, 2020, 12, 2029.	1.8	41
12	Automated Built-Up Extraction Index: A New Technique for Mapping Surface Built-Up Areas Using LANDSAT 8 OLI Imagery. Remote Sensing, 2019, 11, 1966.	1.8	40
13	Effect of environmental policies in combating aeolian desertification over Sejzy Plain of Iran. Aeolian Research, 2018, 35, 19-28.	1.1	39
14	A novel method to quantify urban surface ecological poorness zone: A case study of several European cities. Science of the Total Environment, 2021, 757, 143755.	3.9	39
15	Modeling outdoor thermal comfort using satellite imagery: A principle component analysis-based approach. Ecological Indicators, 2020, 117, 106555.	2.6	38
16	A new approach for modeling near surface temperature lapse rate based on normalized land surface temperature data. Remote Sensing of Environment, 2020, 242, 111746.	4.6	36
17	The site selection of wind energy power plant using GIS-multi-criteria evaluation from economic perspectives. Renewable and Sustainable Energy Reviews, 2022, 168, 112778.	8.2	34
18	A PCAâ€"OLS Model for Assessing the Impact of Surface Biophysical Parameters on Land Surface Temperature Variations. Remote Sensing, 2019, 11, 2094.	1.8	33

#	ARTICLE	IF	CITATIONS
19	Modelling surface heat island intensity according to differences of biophysical characteristics: A case study of Amol city, Iran. Ecological Indicators, 2020, 109, 105816.	2.6	33
20	Land Surface Ecological Status Composition Index (LSESCI): A novel remote sensing-based technique for modeling land surface ecological status. Ecological Indicators, 2021, 123, 107375.	2.6	31
21	Modeling the impact of the COVID-19 lockdowns on urban surface ecological status: A case study of Milan and Wuhan cities. Journal of Environmental Management, 2021, 286, 112236.	3.8	30
22	Modelling the intensity of surface urban heat island and predicting the emerging patterns: Landsat multi-temporal images and Tehran as case study. International Journal of Remote Sensing, 2020, 41, 7400-7426.	1.3	27
23	A New Integrated Approach for Municipal Landfill Siting Based on Urban Physical Growth Prediction: A Case Study Mashhad Metropolis in Iran. Remote Sensing, 2021, 13, 949.	1.8	26
24	Evaluating the Spectral Indices Efficiency to Quantify Daytime Surface Anthropogenic Heat Island Intensity: An Intercontinental Methodology. Remote Sensing, 2020, 12, 2854.	1.8	18
25	On the effect of geographical, topographic and climatic conditions on feed-in tariff optimization for solar photovoltaic electricity generation: A case study in Iran. Renewable Energy, 2020, 153, 430-439.	4.3	18
26	Spatial modeling of areas suitable for public libraries construction by integration of GIS and multi-attribute decision making: Case study Tehran, Iran. Library and Information Science Research, 2020, 42, 101017.	1.2	18
27	An evaluation of energy balance parameters, and the relations between topographical and biophysical characteristics using the mountainous surface energy balance algorithm for land (SEBAL). International Journal of Remote Sensing, 2019, 40, 5230-5260.	1.3	14
28	Impact assessment modeling of climatic conditions on spatial-temporal changes in surface biophysical properties driven by urban physical expansion using satellite images. Sustainable Cities and Society, 2022, 80, 103757.	5.1	14
29	Integrated Land Use and Urban Function Impacts on Land Surface Temperature: Implications on Urban Heat Mitigation in Berlin with Eight-Type Spaces. Sustainable Cities and Society, 2022, 83, 103944.	5.1	13
30	An urban growth simulation model based on integration of local weights and decision risk values. Transactions in GIS, 2020, 24, 1695-1721.	1.0	12
31	Impact of surface characteristics and their adjacency effects on urban land surface temperature in different seasonal conditions and latitudes. Building and Environment, 2022, 219, 109145.	3.0	12
32	Homogeneity Distance Classification Algorithm (HDCA): A Novel Algorithm for Satellite Image Classification. Remote Sensing, 2019, 11, 546.	1.8	11
33	Quantifying the effect of surface heterogeneity on soil moisture across regions and surface characteristic. Journal of Hydrology, 2021, 596, 126132.	2.3	9
34	Evaluation of Seasonal, Drought, and Wet Condition Effects on Performance of Satellite-Based Precipitation Data over Different Climatic Conditions in Iran. Remote Sensing, 2022, 14, 76.	1.8	8
35	Monitoring and predicting spatial-temporal changes heat island in Babol city due to urban sprawl and land use changes. Journal of Geospatial Information Technology, 2017, 5, 123-151.	0.2	6
36	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). Journal of Geospatial Information Technology, 2018, 6, 165-189.	0.2	5

#	Article	IF	Citations
37	Quantification of landscape metrics effects on downscaled urban land surface temperature accuracy of satellite imagery. Advances in Space Research, 2022, 70, 35-47.	1.2	4
38	Decision-level Integration Window Strategy in Satellite Imagery-derived Land Surface Temperature Disaggregation. Geocarto International, 0, , 1-17.	1.7	2
39	Propose a Variance-based Model for Normalizing Satellite Images Derived Land Surface Temperature Relative to Environmental Parameters. Journal of Geospatial Information Technology, 2019, 7, 83-112.	0.2	0
40	Developing a model for simulating urban expansion based on the concept of decision risk: A case study in Babol city. Journal of Geospatial Information Technology, 2019, 7, 115-135.	0.2	0