Hossein Shafizadeh-Moghadam

List of Publications by Year
in descending order

26 papers	1,233 citations	394421 19 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1101 citing authors

#	Article	IF	Citations
1	Novel forecasting approaches using combination of machine learning and statistical models for flood susceptibility mapping. Journal of Environmental Management, 2018, 217, 1-11.	7.8	231
2	Coupling machine learning, tree-based and statistical models with cellular automata to simulate urban growth. Computers, Environment and Urban Systems, 2017, 64, 297-308.	7.1	102
3	Flash-flood susceptibility mapping based on XGBoost, random forest and boosted regression trees. Geocarto International, 2022, 37, 5479-5496.	3.5	100
4	Spatiotemporal variability of urban growth factors: A global and local perspective on the megacity of Mumbai. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 187-198.	2.8	90
5	A neural network and landscape metrics to propose a flexible urban growth boundary: A case study. Ecological Indicators, 2018, 93, 952-965.	6.3	77
6	Analyzing long-term spatio-temporal patterns of land surface temperature in response to rapid urbanization in the mega-city of Tehran. Land Use Policy, 2018, 71, 459-469.	5.6	62
7	Exploring the driving forces and digital mapping of soil organic carbon using remote sensing and soil texture. Catena, 2019, 182, 104141.	5.0	59
8	Google Earth Engine for large-scale land use and land cover mapping: an object-based classification approach using spectral, textural and topographical factors. GIScience and Remote Sensing, 2021, 58, 914-928.	5.9	57
9	Integration of genetic algorithm and multiple kernel support vector regression for modeling urban growth. Computers, Environment and Urban Systems, 2017, 65, 28-40.	7.1	51
10	Sensitivity analysis and accuracy assessment of the land transformation model using cellular automata. GIScience and Remote Sensing, 2017, 54, 639-656.	5.9	48
11	Big data in Geohazard; pattern mining and large scale analysis of landslides in Iran. Earth Science Informatics, 2019, 12, 1-17.	3.2	41
12	Modeling the spatial variation of urban land surface temperature in relation to environmental and anthropogenic factors: a case study of Tehran, Iran. GIScience and Remote Sensing, 2020, 57, 483-496.	5.9	40
13	Integrating a Forward Feature Selection algorithm, Random Forest, and Cellular Automata to extrapolate urban growth in the Tehran-Karaj Region of Iran. Computers, Environment and Urban Systems, 2021, 87, 101595.	7.1	38
14	Improving spatial accuracy of urban growth simulation models using ensemble forecasting approaches. Computers, Environment and Urban Systems, 2019, 76, 91-100.	7.1	33
15	Transition index maps for urban growth simulation: application of artificial neural networks, weight of evidence and fuzzy multi-criteria evaluation. Environmental Monitoring and Assessment, 2017, 189, 300.	2.7	31
16	GlobeLand30 maps show four times larger gross than net land change from 2000 to 2010 in Asia. International Journal of Applied Earth Observation and Geoinformation, 2019, 78, 240-248.	2.8	31
17	Performance analysis of radial basis function networks and multi-layer perceptron networks in modeling urban change: a case study. International Journal of Geographical Information Science, 2015, 29, 606-623.	4.8	28
18	Synergetic use of multi-temporal Sentinel-1, Sentinel-2, NDVI, and topographic factors for estimating soil organic carbon. Catena, 2022, 212, 106077.	5.0	28

#	Article	IF	Citations
19	Spatiotemporal nexus between the pattern of land degradation and land cover dynamics in Iran. Land Degradation and Development, 2018, 29, 2854-2863.	3.9	26
20	Modelling climate change effects on Zagros forests in Iran using individual and ensemble forecasting approaches. Theoretical and Applied Climatology, 2019, 137, 1015-1025.	2.8	21
21	Influence of drought duration and severity on drought recovery period for different land cover types: evaluation using MODIS-based indices. Ecological Indicators, 2022, 141, 109146.	6.3	16
22	An efficient built-up land expansion model using a modified U-Net. International Journal of Digital Earth, 2022, 15, 148-163.	3.9	9
23	Evaluation of ECMWF mid-range ensemble forecasts of precipitation for the Karun River basin. Theoretical and Applied Climatology, 2020, 141, 61-70.	2.8	6
24	On the spatiotemporal generalization of machine learning and ensemble models for simulating builtâ€up land expansion. Transactions in GIS, 2022, 26, 1080-1097.	2.3	5
25	Multiple-depth modeling of soil organic carbon using visibleâ€“near infrared spectroscopy. Geocarto International, 2022, 37, 1393-1407.	3.5	2
26	A probabilistic space-time prism to explore changes in white Stork habitat use in Iran. Ecological Indicators, 2017, 78, 156-166.	6.3	1