Rahim Ali Abbaspour

List of Publications by Year
in descending order

61 papers	**1,163** citations	516710 **16** h-index	414414 **32** g-index
62 all docs	**62** docs citations	**62** times ranked	**1186** citing authors

#	Article	IF	Citations
1	Gaussian bare-bones water cycle algorithm for optimal reactive power dispatch in electrical power systems. Applied Soft Computing Journal, 2017, 57, 657-671.	7.2	146
2	An efficient chaotic water cycle algorithm for optimization tasks. Neural Computing and Applications, 2017, 28, 57-85.	5.6	129
3	Efficient boosted grey wolf optimizers for global search and kernel extreme learning machine training. Applied Soft Computing Journal, 2019, 81, 105521.	7.2	113
4	Flood susceptibility mapping using an improved analytic network process with statistical models. Geomatics, Natural Hazards and Risk, 2020, 11, 2282-2314.	4.3	79
5	GIS-based spatial modeling of snow avalanches using four novel ensemble models. Science of the Total Environment, 2020, 745, 141008.	8.0	48
6	Using combined AHP–genetic algorithm in artificial groundwater recharge site selection of Gareh Bygone Plain, Iran. Environmental Earth Sciences, 2014, 72, 1979-1992.	2.7	47
7	Raster-based outranking method: a new approach for municipal solid waste landfill (MSW) siting. Environmental Science and Pollution Research, 2015, 22, 12511-12524.	5.3	35
8	Assessment of Logical Consistency in OpenStreetMap Based on the Spatial Similarity Concept. Lecture Notes in Geoinformation and Cartography, 2015, , 19-36.	1.0	31
9	Using the mixture-tuned matched filtering method for lithological mapping with Landsat TM5 images. International Journal of Remote Sensing, 2013, 34, 8803-8816.	2.9	27
10	An assessment of spatial similarity degree between polylines on multi-scale, multi-source maps. Geocarto International, 2017, 32, 471-487.	3.5	27
11	A geometric-based approach for road matching on multi-scale datasets using a genetic algorithm. Cartography and Geographic Information Science, 2018, 45, 255-269.	3.0	26
12	Improving the Quality of Citizen Contributed Geodata through Their Historical Contributions: The Case of the Road Network in OpenStreetMap. ISPRS International Journal of Geo-Information, 2018, 7, 253.	2.9	21
13	AN ONTOLOGY-BASED TOURISM RECOMMENDER SYSTEM BASED ON SPREADING ACTIVATION MODEL. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 83-90.	0.2	21
14	Evaluation of Genetic Algorithms for tuning SVM parameters in multi-class problems. , 2010, , .		20
15	An algorithm for optimisation of a rain gauge network based on geostatistics and entropy concepts using GIS. Journal of Spatial Science, 2016, 61, 233-252.	1.5	20
16	An evolutionary solution for multimodal shortest path problem in metropolises. Computer Science and Information Systems, 2010, 7, 789-811.	1.0	18
17	A Cold Start Context-Aware Recommender System for Tour Planning Using Artificial Neural Network and Case Based Reasoning. Mobile Information Systems, 2017, 2017, 1-18.	0.6	16
18	A modeling approach to path dependent and non-path dependent urban allocation in a rapidly growing region. Sustainable Cities and Society, 2019, 44, 378-394.	10.4	15

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19	Determination of the physical domain for air quality monitoring stations using the ANP-OWA method in GIS. Environmental Monitoring and Assessment, 2019, 191, 299.	2.7	14
20	An evaluation of the efficiency of similarity functions in density-based clustering of spatial trajectories. Annals of GIS, 2019, 25, 313-327.	3.1	13
21	Itinerary Planning in Multimodal Urban Transportation Network. Journal of Applied Sciences, 2009, 9, 1898-1906.	0.3	13
22	A new descriptor for improving geometric-based matching of linear objects on multi-scale datasets. GIScience and Remote Sensing, 2017, 54, 836-861.	5.9	11
23	A Dempster-Shafer based approach to the detection of trajectory stop points. Computers, Environment and Urban Systems, 2018, 70, 189-196.	7.1	11
24	Enhanced Chaotic Grey Wolf Optimizer for Real-World Optimization Problems. Advances in Business Information Systems and Analytics Book Series, 2018, , 693-727.	0.4	11
25	EXPLOITATION OF MCDA TO LEARN THE RADIAL BASE NEURAL NETWORK (RBFNN) AIM PHYSICAL AND SOCIAL VULNERABILITY ANALYSIS VERSUS THE EARTHQUAKE (CASE STUDY: SANANDAJ CITY, IRAN). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W18, 1071-1078.	0.2	11
26	AUTOMATIC EXTRACTION OF IndoorGML CORE MODEL FROM OpenStreetMap. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 459-462.	0.2	11
27	Assessing the efficiency of shape-based functions and descriptors in multi-scale matching of linear objects. Geocarto International, 2018, 33, 879-892.	3.5	10
28	A CONTEXT-AWARE TOURISM RECOMMENDER SYSTEM BASED ON A SPREADING ACTIVATION METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 333-339.	0.2	10
29	GIS-based seismic vulnerability mapping: a comparison of artificial neural networks hybrid models. Geocarto International, 2022, 37, 4312-4335.	3.5	8
30	An optimization on machine learning algorithms for mapping snow avalanche susceptibility. Natural Hazards, 2022, 111, 79-114.	3.4	8
31	Spatio-Temporal Modeling of Seismic Provinces of Iran Using DBSCAN Algorithm. Pure and Applied Geophysics, 2017, 174, 1937-1952.	1.9	7
32	An evaluation of data completeness of VGI through geometric similarity assessment. International Journal of Image and Data Fusion, 2018, 9, 319-337.	1.7	7
33	Evaluation of the effects of uncertainty on the predictions of landslide occurrences using the Shannon entropy theory and Dempster–Shafer theory. Natural Hazards, 2020, 100, 49-67.	3.4	7
34	An assessment of the efficiency of spatial distances in linear object matching on multi-scale, multi-source maps. International Journal of Image and Data Fusion, 2018, 9, 95-114.	1.7	6
35	A Spatio-Temporal Entropy-based Framework for the Detection of Trajectories Similarity. Entropy, 2018, 20, 490.	2.2	6
36	PREDICTION OF PM2.5 CONCENTRATIONS USING TEMPERATURE INVERSION EFFECTS BASED ON AN ARTIFICIAL NEURAL NETWORK. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 73-77.	0.2	6

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37	An incremental algorithm for simultaneous construction of 2D Voronoi diagram and Delaunay triangulation based on a face-based data structure. Advances in Engineering Software, 2022, 169, 103129.	3.8	6
38	A method for similarity measurement in spatial trajectories. Spatial Information Research, 2017, 25, 491-500.	2.2	5
39	An Improvement on the Clustering of High-Resolution Satellite Images Using a Hybrid Algorithm. Journal of the Indian Society of Remote Sensing, 2017, 45, 579-590.	2.4	4
40	A Geometric Framework for Detection of Critical Points in a Trajectory Using Convex Hulls. ISPRS International Journal of Geo-Information, 2018, 7, 14.	2.9	4
41	Associating earthquakes with faults using cluster analysis optimized by a fuzzy particle swarm optimization algorithm for Iranian provinces. Soil Dynamics and Earthquake Engineering, 2021, 140, 106433.	3.8	3
42	Reliability extracted from the history file as an intrinsic indicator for assessing the quality of OpenStreetMap. Earth Science Informatics, 2021, 14, 1413-1432.	3.2	3
43	Estimation of empirical parameters in matching of linear vector datasets: an optimization approach. Modeling Earth Systems and Environment, 2017, 3, 1029-1043.	3.4	2
44	Non-path dependent urban growth potential mapping using a data-driven evidential belief function. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 555-573.	2.0	2
45	An assessment on the performance of the shape functions in clustering based on representative trajectories of dense areas. GIScience and Remote Sensing, 2021, 58, 1219-1249.	5.9	2
46	Multi-scale polygons matching using a new geographic context descriptor. Applied Geomatics, 0, , 1.	2.5	2
47	A Solution for Time-Dependent Multimodal Shortest Path Problem. Journal of Applied Sciences, 2009, 9, 3804-3812.	0.3	2
48	OBCHS: AN EFFECTIVE HARMONY SEARCH ALGORITHM WITH OPPOSITIONBASED CHAOS-ENHANCED INITIALIZATION FOR SOLVING UNCAPACITATED FACILITY LOCATION PROBLEMS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 307-311.	0.2	2
49	Toward Geospatial Collaborative Tourism Recommender Systems. Advances in Hospitality, Tourism and the Services Industry, 2018, , 212-248.	0.2	2
50	MATCHING OF URBAN PATHWAYS IN A MULTI-SCALE DATABASE USING FUZZY REASONING. Geodesy and Cartography, 2017, 43, 92-104.	0.5	1
51	ESTIMATING ORIGIN-DESTINATION MATRICES USING AN EFFICIENT MOTH FLAME-BASED SPATIAL CLUSTERING APPROACH. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 381-387.	0.2	1
52	PEDESTRIAN DEAD RECKONING USING SMARTPHONES SENSORS: AN EFFICIENT INDOOR POSITIONING SYSTEM IN COMPLEX BUILDINGS OF SMART CITIES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W18, 905-912.	0.2	1
53	Spatiotemporal VGI contributor reputation system based on implicit evaluation relations. Geocarto International, 2022, 37, 12014-12041.	3.5	1
54	An Optimization of Using the M8 Algorithm for Prediction of Major M7.0+â€‰Earthquakes in the Iranian Plateau. Pure and Applied Geophysics, 2019, 176, 119-131.	1.9	0

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55	An activityâ€based framework for detecting human movement patterns in an urban environment. Transactions in GIS, 2021, 25, 1825-1848.	2.3	0
56	A NEW UBIQUITOUS-BASED INDOOR POSITIONING SYSTEM WITH MINIMUM EXTRA HARDWARE USING SMART PHONES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 151-155.	0.2	0
57	AN IMPROVEMENT ON GEOMETRY-BASED METHODS FOR GENERATION OF NETWORK PATHS FROM POINTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 13-17.	0.2	0
58	A DIFFERENT WEB-BASED GEOCODING SERVICE USING FUZZY TECHNIQUES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 571-575.	0.2	0
59	Generation of a Data Model for Indoor Navigation Based on Volunteered Geospatial Information (VGI). Advances in Geospatial Technologies Book Series, 2017, , 243-270.	0.2	0
60	Assessment of Optimization Algorithms on Multi-scale Matching of Spatial Datasets Based on Geometric Properties. Journal of Geospatial Information Technology, 2018, 6, 105-124.	0.2	0
61	A COMPARISON OF EFFICIENCY OF THE OPTIMIZATION APPROACH FOR CLUSTERING OF TRAJECTORIES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W18, 737-740.	0.2	0