

# Rahim Ali Abbaspour

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,163  
citations

586496

16  
h-index

466096

32  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	GIS-based seismic vulnerability mapping: a comparison of artificial neural networks hybrid models. Geocarto International, 2022, 37, 4312-4335.	1.7	8
2	An optimization on machine learning algorithms for mapping snow avalanche susceptibility. Natural Hazards, 2022, 111, 79-114.	1.6	8
3	Spatiotemporal VGI contributor reputation system based on implicit evaluation relations. Geocarto International, 2022, 37, 12014-12041.	1.7	1
4	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.	1.8	6
5	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.	1.9	3
6	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.	1.0	2
7	An activity-based framework for detecting human movement patterns in an urban environment. Transactions in GIS, 2021, 25, 1825-1848.	1.0	0
8	Reliability extracted from the history file as an intrinsic indicator for assessing the quality of OpenStreetMap. Earth Science Informatics, 2021, 14, 1413-1432.	1.6	3
9	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.	2.4	2
10	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.	1.6	7
11	GIS-based spatial modeling of snow avalanches using four novel ensemble models. Science of the Total Environment, 2020, 745, 141008.	3.9	48
12	Flood susceptibility mapping using an improved analytic network process with statistical models. Geomatics, Natural Hazards and Risk, 2020, 11, 2282-2314.	2.0	79
13	An Optimization of Using the M8 Algorithm for Prediction of Major M7.0+ Earthquakes in the Iranian Plateau. Pure and Applied Geophysics, 2019, 176, 119-131.	0.8	0
14	Determination of the physical domain for air quality monitoring stations using the ANP-OWA method in GIS. Environmental Monitoring and Assessment, 2019, 191, 299.	1.3	14
15	Efficient boosted grey wolf optimizers for global search and kernel extreme learning machine training. Applied Soft Computing Journal, 2019, 81, 105521.	4.1	113
16	An evaluation of the efficiency of similarity functions in density-based clustering of spatial trajectories. Annals of GIS, 2019, 25, 313-327.	1.4	13
17	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.	5.1	15
18	A Dempster-Shafer based approach to the detection of trajectory stop points. Computers, Environment and Urban Systems, 2018, 70, 189-196.	3.3	11

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19	An assessment of the efficiency of spatial distances in linear object matching on multi-scale, multi-source maps. <i>International Journal of Image and Data Fusion</i> , 2018, 9, 95-114.	0.8	6
20	Assessing the efficiency of shape-based functions and descriptors in multi-scale matching of linear objects. <i>Geocarto International</i> , 2018, 33, 879-892.	1.7	10
21	A geometric-based approach for road matching on multi-scale datasets using a genetic algorithm. <i>Cartography and Geographic Information Science</i> , 2018, 45, 255-269.	1.4	26
22	An evaluation of data completeness of VGI through geometric similarity assessment. <i>International Journal of Image and Data Fusion</i> , 2018, 9, 319-337.	0.8	7
23	A Spatio-Temporal Entropy-based Framework for the Detection of Trajectories Similarity. <i>Entropy</i> , 2018, 20, 490.	1.1	6
24	Improving the Quality of Citizen Contributed Geodata through Their Historical Contributions: The Case of the Road Network in OpenStreetMap. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 253.	1.4	21
25	A Geometric Framework for Detection of Critical Points in a Trajectory Using Convex Hulls. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 14.	1.4	4
26	Enhanced Chaotic Grey Wolf Optimizer for Real-World Optimization Problems. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2018, , 693-727.	0.3	11
27	Toward Geospatial Collaborative Tourism Recommender Systems. <i>Advances in Hospitality, Tourism and the Services Industry</i> , 2018, , 212-248.	0.2	2
28	Assessment of Optimization Algorithms on Multi-scale Matching of Spatial Datasets Based on Geometric Properties. <i>Journal of Geospatial Information Technology</i> , 2018, 6, 105-124.	0.2	0
29	An assessment of spatial similarity degree between polylines on multi-scale, multi-source maps. <i>Geocarto International</i> , 2017, 32, 471-487.	1.7	27
30	An efficient chaotic water cycle algorithm for optimization tasks. <i>Neural Computing and Applications</i> , 2017, 28, 57-85.	3.2	129
31	Gaussian bare-bones water cycle algorithm for optimal reactive power dispatch in electrical power systems. <i>Applied Soft Computing Journal</i> , 2017, 57, 657-671.	4.1	146
32	A method for similarity measurement in spatial trajectories. <i>Spatial Information Research</i> , 2017, 25, 491-500.	1.3	5
33	A new descriptor for improving geometric-based matching of linear objects on multi-scale datasets. <i>GIScience and Remote Sensing</i> , 2017, 54, 836-861.	2.4	11
34	Spatio-Temporal Modeling of Seismic Provinces of Iran Using DBSCAN Algorithm. <i>Pure and Applied Geophysics</i> , 2017, 174, 1937-1952.	0.8	7
35	MATCHING OF URBAN PATHWAYS IN A MULTI-SCALE DATABASE USING FUZZY REASONING. <i>Geodesy and Cartography</i> , 2017, 43, 92-104.	0.2	1
36	Estimation of empirical parameters in matching of linear vector datasets: an optimization approach. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 1029-1043.	1.9	2

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37	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.	1.2	4
38	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.	0.4	16
39	Generation of a Data Model for Indoor Navigation Based on Volunteered Geospatial Information (VGI). Advances in Geospatial Technologies Book Series, 2017, , 243-270.	0.1	0
40	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.	1.0	20
41	Raster-based outranking method: a new approach for municipal solid waste landfill (MSW) siting. Environmental Science and Pollution Research, 2015, 22, 12511-12524.	2.7	35
42	Assessment of Logical Consistency in OpenStreetMap Based on the Spatial Similarity Concept. Lecture Notes in Geoinformation and Cartography, 2015, , 19-36.	0.5	31
43	Using combined AHP&genetic algorithm in artificial groundwater recharge site selection of Gareh Bygone Plain, Iran. Environmental Earth Sciences, 2014, 72, 1979-1992.	1.3	47
44	Using the mixture-tuned matched filtering method for lithological mapping with Landsat TM5 images. International Journal of Remote Sensing, 2013, 34, 8803-8816.	1.3	27
45	Evaluation of Genetic Algorithms for tuning SVM parameters in multi-class problems. , 2010, , .		20
46	An evolutionary solution for multimodal shortest path problem in metropolises. Computer Science and Information Systems, 2010, 7, 789-811.	0.7	18
47	Itinerary Planning in Multimodal Urban Transportation Network. Journal of Applied Sciences, 2009, 9, 1898-1906.	0.1	13
48	A Solution for Time-Dependent Multimodal Shortest Path Problem. Journal of Applied Sciences, 2009, 9, 3804-3812.	0.1	2
49	Multi-scale polygons matching using a new geographic context descriptor. Applied Geomatics, 0, , 1.	1.2	2
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
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	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
60	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
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