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Papers in Journals

1. S Sowlati, R Ali Abbaspour, A Chehreghan. Identifying transportation modes from trajectory dataset using boosting and deep learning methods in intelligent transportation systems. *Journal of Transportation Research*. ۲۰۲۳.
2. R Adabi, R Ali Abbaspour, A Chehreghan. An assessment on building blocks completion process in the Volunteered Geographic Information (VGI) for using in smart cities. *Scientific-Research Quarterly of Geographical Data (SEPEHR)*. ۲۰۲۲.
3. S Sowlati, RA Abbaspour, A Chehreghan. Feature Extraction from Trajectories for Transportation Mode Detection in Smart City using Machine Learning. *Quarterly Journal of Transportation Engineering*. ۲۰۲۲.
4. R Adabi, RA Abbaspour, Alireza Chehreghan. Assessment of the completeness of Volunteered Geographic Information focusing on building blocks data (Case Study: Tehran metropolis). *Engineering Journal of Geospatial Information Technology*. ۲۰۲۱.
5. A Moeini Roudbali, R Ali Abbaspour, Alireza Chehreghan. Matching of Polygon Objects by Optimizing Geometric Criteria. *Engineering Journal of Geospatial Information Technology*. ۲۰۲۱.
6. B Khalili, R Ali Abbaspour, A Chehreghan, A Method for Improvement of PDR method using Smartphones Considering Pedestrian Properties, *Earth Observation and Geomatics Engineering*, 2024.
7. A Chehreghan, E Saadatzadeh, RA Abbaspour, Infrastructure-free indoor navigation based on smartphone sensors in smart buildings, *Journal of Location Based Services*, 2023.
8. E Saadatzadeh, R Ali Abbaspour, A Chehreghan, An improvement in smartphone-based 3D indoor positioning using an effective map matching method, *Journal of Ambient Intelligence and Humanized Computing*, 2023.
9. R Ghasemi Nejad, R Ali Abbaspour, A Chehreghan, Spatiotemporal VGI contributor reputation system based on implicit evaluation relations, *Geocarto International*, 2022.
10. B Khalili, R Ali Abbaspour, A Chehreghan, N Vesali, A context-aware smartphone-based 3D indoor positioning using pedestrian dead reckoning, *Sensors*, 2022.
11. A Moayedi, R Ali Abbaspour, Alireza Chehreghan, P Mojtabaee, The credibility evaluation of the trajectory clustering results using a user-defined similarity, *Earth Observation and Geomatics Engineering*, 2021.
12. RA Abbaspour, Alireza Chehreghan, M Chamani, Multi-scale polygons matching using a new geographic context descriptor, *Applied Geomatics*, 2021.
13. P Shivanasab, RA Abbaspour, Alireza Chehreghan, An assessment on the performance of the shape functions in clustering based on representative trajectories of dense areas, *GIScience & Remote Sensing*, 2021.

14. N Teimoory , R Ali Abbaspour , Alireza Chehreghan,Reliability extracted from the history file as an intrinsic indicator for assessing the quality of OpenStreetMap,Earth Science Informatics,2021.
15. A Hosseinpoor Milaghardan , C Claramunt , Alireza Chehreghan,A dimension reduced clustering approach for the evaluation of trajectory similarities,Earth Observation and Geomatics Engineering,2021.
16. GIS-based Seismic Vulnerability Mapping: A Comparison of Artificial neural networks Hybrid Models,GeoCarto International,2021.
17. Amin Hosseinpour , Rahim Ali Abbaspour , Christophe Claramunt , Alireza Chehreghan,An Activity-Based Framework for Detecting Human Movement Patterns in an Urban Environment,Transactions in GIS,2021.
18. Amin Hosseinpour , Rahim Ali Abbaspour , Christophe Claramunt , Alireza Chehreghan,Inferring Geometric Similarities of Trajectories by an Abstract Trajectory Descriptor (ATD),Earth Observation and Geomatics Engineering,2020.
19. Ali Moayedi , Rahim Ali Abbaspour , Alireza Chehreghan,An Evaluation of the Efficiency of Similarity Functions in Density-based Clustering of Spatial Trajectories,Annals of GIS,2019.
20. Alireza Chehreghan ,& Rahim Ali Abbaspour,An Evaluation of Data Completeness of VGI through Geometric Similarity Assessment,International Journal of Image and Data Fusion,2018.
21. Alireza Chehreghan ,& Rahim Ali Abbaspour,A Geometric-based Approach for Road Matching on Multi-scale Datasets using a Genetic Algorithm,Cartography and Geographic Information Science (CaGIS),2018.
22. Alireza Chehreghan ,& Rahim Ali Abbaspour,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.
23. Rahim Ali Abbaspour , Alireza Chehreghan , Amer Karimi,Assessment the Efficiency of Shape-Based Functions and Descriptors in Multi-Scale Matching of Linear Objects,Geocarto International,2018.
24. Azadeh Nasiri , Rahim Ali Abbaspour , Alireza Chehreghan , Jamal Jokar Arsanjani,Improving the quality of citizen contributed geodata through their historical contributions: the case of road network in OpenStreetMap,ISPRS International Journal of Geo-Information,2018.
25. Ali Dehghani , Alireza Chehreghan , Rahim Ali Abbaspour,Matching of Urban Pathways in a Multi-scale Database using Fuzzy Reasoning,Geodesy and Cartography,2017.
26. Alireza Chehreghan ,& Rahim Ali Abbaspour,An Assessment of Spatial Similarity Degree between Polylines in Multi-Scale, Multi-Source Maps,Geocarto International,2017.
27. Alireza Chehreghan ,& Rahim Ali Abbaspour,An Improvement on the Clustering of High-resolution Satellite Images Using a Hybrid Algorithm,Journal of the Indian Society of Remote Sensing,2017.
28. Alireza Chehreghan ,& Rahim Ali Abbaspour,Estimation of Empirical Parameters in Matching of Linear Vector Datasets: an Optimization Approach,Modeling Earth Systems and Environment,2017.
29. Alireza Chehreghan ,& Rahim Ali Abbaspour,A New Descriptor for Improving Geometric-based Matching of Linear Objects on Multi-scale Datasets,GIScience & Remote Sensing,2017.
30. Rahim Ali Abbaspour , Mohammad Shaeri , Alireza Chehreghan,A Method for Similarity Measurement in Spatial Trajectories,Spatial Information Research,2017.
31. Sajad Hassani Pazoky , Mahmoodreza Delavar , Alireza Chehreghan.A Comparative Evaluation of Automatic Sampling Methods.American Journal of Engineering Research.۲۰۱۳.
32. Mohammadali Rajabi , Aliasghar Alesheykh , Alireza Chehreghan , Hassan Gazmeh.An Innovative Method for Forest Fire Risk Zoning Map Using Fuzzy Inference System and GIS.International Journal of Scientific & Technology Research.۲۰۱۳.
33. • Amin Hoseinpour Milaghardan , Mahmoodreza Delavar , Alireza Chehreghan,Uncertainty in Landslide Occurrence Prediction using Dempster-Shafer Theory,Modeling Earth Systems and Environment,2016.
34. Alireza Chehreghan , Mahmoodreza Delavar , Reza Zarei,An Intelligent Deployment Method of Geo-

sensor Networks in 3D Environment,Annals of GIS,2016.

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36. Hassan Gazmeh , Aliasghar Alesheykh , Mohammad Karimi , Alireza Chehreghan,Spatio-Temporal Forest Fire Spread Modeling Using Cellular Automata Honey Bee Foraging and GIS,Bulletin of Environment, Pharmacology and Life Sciences,2013.

37. Alireza Chehreghan , Mohammadali Rajabi , Sajad Hassani Pazoky,Developing a Novel Method for Optimum Site Selection Based on Fuzzy Genetic System and GIS,International Journal of Advanced Research in Computer Science and Software Engineering,2013.