Miguel Torres-Ruiz

List of Publications by Year
in descending order

68 papers	329 citations	933447 10 h-index	940533 16 g-index
76 all docs	76 docs citations	76 times ranked	342 citing authors

#	Article	IF	Citations
1	A recommender system to generate museum itineraries applying augmented reality and social-sensor mining techniques. Virtual Reality, 2020, 24, 175-189.	6.1	33
2	IEEE Access Special Section Editorial: Urban Computing and Well-Being in Smart Cities: Services, Applications, Policymaking Considerations. IEEE Access, 2020, 8, 72340-72346.	4.2	25
3	A cross-domain framework for designing healthcare mobile applications mining social networks to generate recommendations of training and nutrition planning. Telematics and Informatics, 2018, 35, 837-853.	5.8	23
4	A Mobile Information System Based on Crowd-Sensed and Official Crime Data for Finding Safe Routes: A Case Study of Mexico City. Mobile Information Systems, 2016, 2016, 1-11.	0.6	20
5	An ontology-based approach for representing the interaction process between user profile and its context for collaborative learning environments. Computers in Human Behavior, 2015, 51, 1387-1394.	8.5	18
6	Traffic Congestion Analysis Based on a Web-GIS and Data Mining of Traffic Events from Twitter. Sensors, 2021, 21, 2964.	3.8	18
7	Ontology-Driven Description of Spatial Data for Their Semantic Processing. Lecture Notes in Computer Science, 2005, , 242-249.	1.3	18
8	GEONTO-MET: an approach to conceptualizing the geographic domain. International Journal of Geographical Information Science, 2011, 25, 1633-1657.	4.8	13
9	A collaborative learning approach for geographic information retrieval based on social networks. Computers in Human Behavior, 2015, 51, 829-842.	8.5	13
10	Knowledge-Based Sentiment Analysis and Visualization on Social Networks. New Generation Computing, 2021, 39, 199-229.	3.3	11
11	Geocoding Tweets Approach Based on Conceptual Representations in the Context of the Knowledge Society. International Journal on Semantic Web and Information Systems, 2016, 12, 44-61.	5.1	10
12	Innovative Mobile Information Systems: Insights from Gulf Cooperation Countries and All Over the World. Mobile Information Systems, 2016, 2016, 1-5.	0.6	10
13	DIS-C: conceptual distance in ontologies, a graph-based approach. Knowledge and Information Systems, 2019, 59, 33-65.	3.2	10
14	A Collaborative Framework for Sensing Abnormal Heart Rate Based on a Recommender System: Semantic Recommender System for Healthcare. Journal of Medical and Biological Engineering, 2018, 38, 1026-1045.	1.8	9
15	Environmental Noise Sensing Approach Based on Volunteered Geographic Information and Spatio-Temporal Analysis with Machine Learning. Lecture Notes in Computer Science, 2016, , 95-110.	1.3	8
16	Geomorphometric Analysis of Raster Image Data to detect Terrain Ruggedness and Drainage Density. Lecture Notes in Computer Science, 2003, , 643-650.	1.3	8
17	Innovative services and applications of wireless sensor networks: Research challenges and opportunities. International Journal of Distributed Sensor Networks, 2018, 14, 155014771877297.	2.2	7
18	Geospatial Modeling of Road Traffic Using a Semi-Supervised Regression Algorithm. IEEE Access, 2019, 7, 177376-177386.	4.2	7

#	Article	IF	Citations
19	An ontology-driven approach for the extraction and description of geographic objects contained in raster spatial data. Expert Systems With Applications, 2012, 39, 9008-9020.	7.6	4
20	Geospatial recommender system for the location of health services. , 2014, , .		4
21	Simultaneous Segmentation-Recognition-Vectorization of Meaningful Geographical Objects in Geo-Images. Lecture Notes in Computer Science, 2003, , 635-642.	1.3	4
22	Geospatial information integration based on the conceptualization of geographic domain. , 2008, , .		3
23	Towards a Semantic Representation of Raster Spatial Data. Lecture Notes in Computer Science, 2009, , 63-82.	1.3	3
24	Semantic Recommender System for Touristic Context Based on Linked Data. Lecture Notes in Geoinformation and Cartography, 2015, , 77-89.	1.0	3
25	Qualitative spatial reasoning methodology to determine the particular domain of a set of geographic objects. Computers in Human Behavior, 2016, 59, 115-133.	8.5	2
26	Towards a microscopic model for analyzing the pedestrian mobility in an urban infrastructure. Journal of Science and Technology Policy Management, 2018, 9, 170-188.	2.8	2
27	On the usage of sorting networks to control greenhouse climatic factors. International Journal of Distributed Sensor Networks, 2018, 14, 155014771875687.	2.2	2
28	Civic participation in smart cities. , 2019, , 31-46.		2
29	Challenges and Opportunities in the Digital Transformation of the Higher Education Institutions: The Case of Mexico. , 2019, , 137-149.		2
30	Knowledge-Based Method to Recognize Objects in Geo-Images. Lecture Notes in Computer Science, 2004, , 718-725.	1.3	2
31	Skeleton-Based Algorithm for Increasing Spectral Resolution in Digital Elevation Model. Lecture Notes in Computer Science, 2004, , 550-557.	1.3	2
32	Geospatial Information Integration Approach Based on Geographic Context Ontologies. Lecture Notes in Geoinformation and Cartography, 2009, , 177-191.	1.0	2
33	CLASSIFICATION OF TRAFFIC RELATED SHORT TEXTS TO ANALYSE ROAD PROBLEMS IN URBAN AREAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W3, 91-97.	0.2	2
34	Comparación semántica de conjuntos de datos geográficos conceptualizados pormedio de ontologías. Computacion Y Sistemas, 2013, 17, 569-581.	0.3	2
35	Classification of Traffic Events Notified in Social Networks' Texts. , 2018, , 6973-6984.		2
36	Classification of Traffic Events Notified in Social Networks' Texts. Advances in Multimedia and Interactive Technologies Book Series, 2019, , 342-355.	0.2	2

#	Article	IF	Citations
37	When Twitter Becomes a Data Source for Geospatial Analysis. Research in Computing Science, 2019, 148, 357-374.	0.1	2
38	Intelligent segmentation of color geo-images. , 0, , .		1
39	Geospatial Recommender System for the Location of Health Services. , 2014, , .		1
40	IEEE Access Special Section Editorial: Future Generation Smart Cities Researchâ€"Part II: Services, Applications, Case Studies, and Policymaking Considerations For Well-Being. IEEE Access, 2021, 9, 27298-27303.	4.2	1
41	Automatic Geomorphometric Analysis for Digital Elevation Models. Lecture Notes in Computer Science, 2005, , 374-381.	1.3	1
42	Incorporating Semantics into GIS Applications. Lecture Notes in Computer Science, 2006, , 698-705.	1.3	1
43	Retrieving Geospatial Information into a Web-Mapping Application Using Geospatial Ontologies. Lecture Notes in Computer Science, 2007, , 267-277.	1.3	1
44	Towards a Methodology to Conceptualize the Geographic Domain. Lecture Notes in Computer Science, 2008, , 111-122.	1.3	1
45	Extraction and Specialization of Geo-spatial Objects in Geo-images Using Semantic Compression Algorithm. Lecture Notes in Computer Science, 2008, , 573-584.	1.3	1
46	Semantic Supervised Clustering Approach to Classify Land Cover in Remotely Sensed Images. Communications in Computer and Information Science, 2010, , 68-77.	0.5	1
47	Classification of Traffic Events in Mexico City Using Machine Learning and Volunteered Geographic Information. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2019, , 141-162.	0.2	1
48	Innovation on User-Generated Content for Environmental Noise Monitoring and Analysis in the Context of Smart Cities. , 2019, , 490-519.		1
49	Obtaining Semantic Descriptions Based on Conceptual Schemas Embedded into a Geographic Context. , 2007, , 209-222.		1
50	Designing Spatial Analyzer Module in a distributed geographical environment. , 0, , .		0
51	Managing Resolution in Digital Elevation Models Using Image Processing Techniques. Lecture Notes in Computer Science, 2005, , 316-324.	1.3	0
52	Geographic-Aware Architecture for the Interoperability of Ubiquitous Components. , 2008, , .		0
53	Geocoding of microblogs based on ontologies. , 2014, , .		0
54	Environmental GIS to identify municipalities with high potential of biogas production in Mexico. , 2016, , .		0

#	Article	IF	Citations
55	Prologused to Represent and Reason Qualitatively Over a Space Domain. International Journal of Artificial Intelligence & Applications, 2017, 8, 01-09.	0.5	0
56	Definition of public safety policies based on the characterization of criminal events using volunteered geographic information, case study. , 2019, , 241-262.		0
57	Virtual reality and sensors for the next generation medical systems. , 2020, , 279-303.		0
58	An Application of Deep Neural Network for Robbery Evidence Using Face Recognition Approach. Springer Proceedings in Complexity, 2021, , 23-36.	0.3	0
59	Knowledge-Based System for Color Maps Recognition. Lecture Notes in Computer Science, 2005, , 297-303.	1.3	0
60	Semantic Similarity Applied to Geomorphometric Analysis of Digital Elevation Model. Lecture Notes in Geoinformation and Cartography, 2009, , 149-163.	1.0	0
61	RRMâ€"A Referenced Routing Model to Generate a Semantic Service of Navigation in Mobile Devices. Lecture Notes in Geoinformation and Cartography, 2015, , 43-58.	1.0	0
62	Mexico City Traffic Analysis Based on Social Computing and Machine Learning. Springer Proceedings in Complexity, 2019, , 287-304.	0.3	0
63	Augmented Reality with Swift in ARkit and Their Applications to Teach Geometry. Communications in Computer and Information Science, 2019, , 192-202.	0.5	0
64	Swift UI and Their Integration to MapKit Technology as a Framework for Representing Spatial Information in Mobile Applications. Communications in Computer and Information Science, 2020, , 80-91.	0.5	0
65	Security Incident Classification Applied to Automated Decisions Using Machine Learning. Communications in Computer and Information Science, 2021, , 23-34.	0.5	0
66	Representing the Semantic Content of Topological Relations into Spatial Databases. , 2007, , 223-233.		0
67	Analysis of Parkinsonâ€™s disease based on mobile application. , 2021, , 97-119.		0
68	Remote Healthcare Program in Mexico in the Context of the COVID-19 Pandemic. Healthcare Informatics Research, 2022, 28, 152-159.	1.9	0