Karl Rehrl

List of Publications by Year
in descending order

28	393	840119 11	839053 18
papers	citations	h-index	g-index

37	37	37	416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assisting Multimodal Travelers: Design and Prototypical Implementation of a Personal Travel Companion. IEEE Transactions on Intelligent Transportation Systems, 2007, 8, 31-42.	4.7	73
2	Pedestrian navigation with augmented reality, voice and digital map: final results from anin situfield study assessing performance and user experience. Journal of Location Based Services, 2014, 8, 75-96.	1.4	34
3	DigibusÂ©: results from the first self-driving shuttle trial on a public road in Austria. European Transport Research Review, 2018, 10, .	2.3	32
4	Comparing the Effectiveness of GPS-Enhanced Voice Guidance for Pedestrians with Metric- and Landmark-Based Instruction Sets. Lecture Notes in Computer Science, 2010, , 189-203.	1.0	25
5	A Conceptual Model for Analyzing Contribution Patterns in the Context of VGI. Lecture Notes in Geoinformation and Cartography, 2013, , 373-388.	0.5	24
6	Digging into the history of VGI data-sets: results from a worldwide study on OpenStreetMap mapping activity. Journal of Location Based Services, 2014, 8, 198-210.	1.4	23
7	Pedestrian Navigation with Augmented Reality, Voice and Digital Map: Results from a Field Study assessing Performance and User Experience. Lecture Notes in Geoinformation and Cartography, 2012, , 3-20.	0.5	21
8	A Framework for Data-Centric Analysis of Mapping Activity in the Context of Volunteered Geographic Information. ISPRS International Journal of Geo-Information, 2016, 5, 37.	1.4	21
9	Estimating Completeness of VGI Datasets by Analyzing Community Activity Over Time Periods. Lecture Notes in Geoinformation and Cartography, 2014, , 3-18.	0.5	15
10	An Analysis of Direction and Motion Concepts in Verbal Descriptions of Route Choices. Lecture Notes in Computer Science, 2009, , 471-488.	1.0	15
11	Motion pattern analysis enabling accurate travel mode detection from GPS data only. , 2013, , .		12
12	Evaluating Localization Accuracy of Automated Driving Systems. Sensors, 2021, 21, 5855.	2.1	12
13	Optimization and Evaluation of a High-Performance Open-Source Map-Matching Implementation. Lecture Notes in Geoinformation and Cartography, 2018, , 251-270.	0.5	9
14	Geoweb verbindet WWW und physische Welt. Hmd, 2010, 47, 6-18.	0.3	8
15	Action and interaction in volunteered geographic information: a workshop review. Journal of Location Based Services, 2013, 7, 291-311.	1.4	8
16	Deriving driver-centric travel information by mining delay patterns from single GPS trajectories. , 2014, , .		8
17	Collecting floating car data with smartphones: results from a field trial in Austria. Journal of Location Based Services, 2016, 10, 16-30.	1.4	7
18	Evaluating GPS sampling rates for pedestrian assistant systems. Journal of Location Based Services, 2016, 10, 212-239.	1.4	6

#	Article	IF	Citations
19	Why did a vehicle stop? A methodology for detection and classification of stops in vehicle trajectories. International Journal of Geographical Information Science, 2020, 34, 1953-1979.	2.2	6
20	Analyzing Travel Time Reliability from Sparse Probe Vehicle Data: A Case Study on the Effects of Spatial and Temporal Aggregation. Transportation Research Record, 2021, 2675, 832-849.	1.0	5
21	Big Data in der MobilitÃt â€“ FCD Modellregion Salzburg. Edition HMD, 2016, , 235-267.	0.1	5
22	Factors Influencing and Contributing to Perceived Safety of Passengers during Driverless Shuttle Rides. Future Transportation, 2021, 1, 657-671.	1.3	5
23	Generation of Meaningful Location References for Referencing Traffic Information to Road Networks Using Qualitative Spatial Concepts. Lecture Notes in Geoinformation and Cartography, 2017, , 173-191.	0.5	4
24	Virtual Risk Assessment for the Deployment of Autonomous Shuttles. Transportation Research Record, 2021, 2675, 131-140.	1.0	3
25	Using GPS Trajectories to Create a Dynamic Network of Significant Locations as an Abstraction of Road Maps. Lecture Notes in Computer Science, 2012, , 161-168.	1.0	3
26	Towards a standardized workflow for creating high-definition maps for highly automated shuttles. Journal of Location Based Services, 2022, 16, 119-151.	1.4	3
27	Recognizing Spatio-Temporal Traffic Patterns at Intersections Using Self-Organizing Maps. , 2018, , .		1
28	Which quality is a route? A methodology for assessing route quality using spatioâ€temporal metrics. Transactions in GIS, 2021, 25, 869-896.	1.0	0