

Jörg Blankenbach

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

455
citations

1039406

9
h-index

887659

17
g-index

39
all docs

39
docs citations

39
times ranked

500
citing authors

#	ARTICLE	IF	CITATIONS
1	Step Detection for ZUPT-Aided Inertial Pedestrian Navigation System Using Foot-Mounted Permanent Magnet. IEEE Sensors Journal, 2016, 16, 6766-6773.	2.4	92
2	An IMU/magnetometer-based Indoor positioning system using Kalman filtering. , 2013, , .		55
3	Position estimation using artificial generated magnetic fields. , 2010, , .		48
4	Indoor localization for pedestrians with real-time capability using multi-sensor smartphones. Geo-Spatial Information Science, 2019, 22, 73-88.	2.4	25
5	Towards a Decentralized Magnetic Indoor Positioning System. Sensors, 2015, 15, 30319-30339.	2.1	24
6	DeepLocBox: Reliable Fingerprinting-Based Indoor Area Localization. Sensors, 2021, 21, 2000.	2.1	19
7	A Scalable Architecture for Real-Time Stream Processing of Spatiotemporal IoT Stream Dataâ€™Performance Analysis on the Example of Map Matching. ISPRS International Journal of Geo-Information, 2018, 7, 238.	1.4	15
8	Three-dimensional CityGML building models in mobile augmented reality: a smartphone-based pose tracking system. International Journal of Digital Earth, 2021, 14, 32-51.	1.6	15
9	BIM â€™ Towards the entire lifecycle. International Journal of Sustainable Development and Planning, 2018, 13, 84-95.	0.3	12
10	CityGML goes mobile: application of large 3D CityGML models on smartphones. International Journal of Digital Earth, 2019, 12, 25-42.	1.6	11
11	IMU/magnetometer based 3D indoor positioning for wheeled platforms in NLoS scenarios. , 2016, , .		10
12	Enhancing the OGC WPS interface with GeoPipes support for real-time geoprocessing. International Journal of Digital Earth, 2018, 11, 48-63.	1.6	10
13	Adaptive Indoor Area Localization for Perpetual Crowdsourced Data Collection. Sensors, 2020, 20, 1443.	2.1	10
14	A Novel Camera-Based Measurement System for Roughness Determination of Concrete Surfaces. Materials, 2021, 14, 158.	1.3	10
15	Indoor localisation for wheeled platforms based on IMU and artificially generated magnetic field. , 2014, , .		9
16	GIM and BIM. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2020, 88, 33-42.	0.7	9
17	Multi-Task Neural Network for Position Estimation in Large-Scale Indoor Environments. IEEE Access, 2022, 10, 26024-26032.	2.6	9
18	Platform Architecture for Decentralized Positioning Systems. Sensors, 2017, 17, 957.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Pedestrian Localisation inside buildings based on multi-sensor smartphones. , 2018, , .		8
20	An evaluation of pose-normalization algorithms for point clouds introducing a novel histogram-based approach. Advanced Engineering Informatics, 2020, 46, 101132.	4.0	8
21	Building information systems based on precise indoor positioning. Journal of Location Based Services, 2011, 5, 22-37.	1.4	7
22	Enabling BIM for Property Management of Existing Buildings Based on Automated As-is Capturing. , 2019, , .		7
23	Towards a robust smartphone-based 2,5D pedestrian localization. , 2016, , .		6
24	A novel method for overcoming the impact of spatially varying ambient magnetic fields on a DC magnetic field-based tracking system. Journal of Location Based Services, 2016, 10, 3-15.	1.4	5
25	ZeeFi: Zero-Effort Floor Identification with Deep Learning for Indoor Localization. , 2019, , .		5
26	Evolutionary Optimization Strategy for Indoor Position Estimation Using Smartphones. Electronics (Switzerland), 2021, 10, 618.	1.8	5
27	GeoPipes Using GeoMQTT. Lecture Notes in Geoinformation and Cartography, 2016, , 383-398.	0.5	3
28	Towards Life Cycle Complete BIM. , 2017, , .		2
29	Quality Assessment of a Novel Camera-Based Measurement System for Roughness Determination of Concrete Surfacesâ€”Accuracy Evaluation and Validation. Sensors, 2022, 22, 4211.	2.1	2
30	Accurate 3D UWB radar super-resolution imaging for a bi-static antenna configuration. , 2015, , .		1
31	Building Surveying for As-Built Modeling. , 2018, , 393-411.		1
32	BIM und die Digitalisierung im Bauwesen. , 2020, , 777-797.		1
33	Topology Preserving Input Image for Convolutional Neural Network Based Indoor Localization. , 2021, , .		1
34	DeepLocBIM: Learning Indoor Area Localization Guided by Digital Building Models. IEEE Internet of Things Journal, 2022, 9, 15323-15335.	5.5	1
35	Building Information Modelin. Springer Handbooks, 2022, , 613-628.	0.3	1
36	Evaluation of a NoSQL Database for Storing Big Geospatial Raster Data. GI_Forum, 0, 1, 76-84.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Indoor-Positionierung. Springer Reference Naturwissenschaften, 2017, , 55-91.	0.2	0