Peter Brida

List of Publications by Year
in descending order

55 papers	442 citations	933447 10 h-index	940533 16 g-index
56 all docs	56 docs citations	56 times ranked	357 citing authors

#	Article	IF	Citations
1	On the Accuracy of Weighted Proximity Based Localization in Wireless Sensor Networks. , 2007, , 423-432.		43
2	Pedestrian Dead Reckoning with Particle Filter for handheld smartphone. , 2016, , .		34
3	Opinions on Sustainability of Smart Cities in the Context of Energy Challenges Posed by Cryptocurrency Mining. Sustainability, 2020, 12, 169.	3.2	26
4	Performance Comparison of Similarity Measurements for Database Correlation Localization Method. Lecture Notes in Computer Science, 2011, , 452-461.	1.3	25
5	Proposal of User Adaptive Modular Localization System for Ubiquitous Positioning. Lecture Notes in Computer Science, 2012, , 391-400.	1.3	24
6	A Novel Enhanced Positioning Trilateration Algorithm Implemented for Medical Implant In-Body Localization. International Journal of Antennas and Propagation, 2013, 2013, 1-10.	1.2	22
7	A Modular Localization System as a Positioning Service for Road Transport. Sensors, 2014, 14, 20274-20296.	3.8	21
8	Wi-Fi Fingerprint Radio Map Creation by Using Interpolation. Procedia Engineering, 2017, 192, 753-758.	1.2	20
9	A Novel AoA Positioning Solution for Wireless Ad Hoc Networks Based on Six-Port Technology. IFIP Advances in Information and Communication Technology, 2009, , 208-219.	0.7	17
10	Trends and Prospects of Techniques for Haze Removal From Degraded Images: A Survey. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 762-782.	4.9	17
11	Impact of the number of access points in indoor fingerprinting localization. , 2010, , .		15
12	The Accuracy of RSS Based Positioning in GSM Networks. , 2006, , .		11
13	A new Complex Angle of Arrival location method for ad hoc networks. , 2010, , .		11
14	Impact of Radio Fingerprints Processing on Localization Accuracy of Fingerprinting Algorithms. Elektronika Ir Elektrotechnika, 2012, 123, .	0.8	11
15	Impact of optimization algorithms on hybrid indoor positioning based on GSM and Wiâ€Fi signals. Concurrency Computation Practice and Experience, 2017, 29, e3911.	2.2	10
16	Localization in Real GSM Network with Fingerprinting Utilization. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 699-709.	0.3	10
17	Using GSM signals for fingerprint-based indoor positioning system. , 2014, , .		9
18	Algorithm for Dynamic Fingerprinting Radio Map Creation Using IMU Measurements. Sensors, 2021, 21, 2283.	3.8	9

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19	Modular Localization System for Intelligent Transport. Studies in Computational Intelligence, 2014, , 115-124.	0.9	8
20	Performance investigation of WifiLOC positioning system. , 2011, , .		7
21	Challenges introduced by heterogeneous devices for Wiâ€Fiâ€"based indoor localization. Concurrency Computation Practice and Experience, 2020, 32, e5198.	2.2	6
22	Smart Sensor Technologies for IoT. Sensors, 2021, 21, 5890.	3.8	6
23	Indoor Positioning System Designed for User Adaptive Systems. Studies in Computational Intelligence, 2011, , 237-245.	0.9	6
24	Ubiquitous smartphone based localization with door crossing detection. Engineering Applications of Artificial Intelligence, 2018, 75, 88-93.	8.1	5
25	Novel Criterion to Evaluate QoS of Localization Based Services. Lecture Notes in Computer Science, 2012, , 381-390.	1.3	5
26	Quality-Driven Schemes Enhancing Resilience of Wireless Networks under Weather Disruptions. Computer Communications and Networks, 2020, , 299-326.	0.8	5
27	Performance Investigation of the RBF Localization Algorithm. Advances in Electrical and Electronic Engineering, 2013, 11, .	0.3	4
28	Using of GSM and Wi-Fi Signals for Indoor Positioning Based on Fingerprinting Algorithms. Advances in Electrical and Electronic Engineering, 2015, 13, .	0.3	4
29	Proposal for a Localization System for an IoT Ecosystem. Electronics (Switzerland), 2021, 10, 3016.	3.1	4
30	Optimization of the RBF localization algorithm using Kalman filter. , 2013, , .		3
31	Wireless sensor localization using enhanced DV-AoA algorithm. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 679-689.	1.4	3
32	Scalability Optimization of Seamless Positioning Service. Mobile Information Systems, 2016, 2016, 1-11.	0.6	3
33	Impact of GPS Interference on Time Synchronization of DVB-T Transmitters. Mobile Information Systems, 2021, 2021, 1-11.	0.6	3
34	Mobile Positioning in Next Generation Networks. , 2009, , 223-252.		3
35	Survey of Device Calibration Techniques for Fingerprinting Localization Algorithms. Communications - Scientific Letters of the University of Zilina, 2013, 15, 48-53.	0.6	3
36	Wireless Positioning as a Cloud Based Service. Lecture Notes in Computer Science, 2015, , 430-439.	1.3	2

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37	Path Estimation from Smartphone Sensors. Studies in Computational Intelligence, 2018, , 435-443.	0.9	2
38	Impact of user orientation on indoor localization based on Wi-Fi. Transportation Research Procedia, 2021, 55, 882-889.	1.5	2
39	Impact of Radio Map on the Performance of Fingerprinting Algorithms. Lecture Notes in Computer Science, 2021, , 708-720.	1.3	2
40	Development of Smartphone Application for Evaluation of Passenger Comfort. Communications in Computer and Information Science, 2020, , 249-259.	0.5	2
41	Radio Map Framework for GSM Positioning. Communications - Scientific Letters of the University of Zilina, 2009, 11, 24-27.	0.6	2
42	Impact of Wi-Fi Access Points on performance of RBF localization algorithm. , 2012, , .		1
43	Miscellaneous Service Delivery to Modern Mobile Devices. Journal of Computer Networks and Communications, 2013, 2013, 1-2.	1.6	1
44	Impact of APs removal on accuracy of fingerprinting localization algorithms. , 2015, , .		1
45	Enabling Technologies for Smart Mobile Services. Mobile Information Systems, 2016, 2016, 1-3.	0.6	1
46	Impact of Weather Conditions on Fingerprinting Localization Based on IEEE 802.11a. Lecture Notes in Computer Science, 2015, , 316-325.	1.3	1
47	Enabling Technologies for Smart Mobile Services 2020. Mobile Information Systems, 2022, 2022, 1-3.	0.6	1
48	New Advanced Approach for Data Flows Prioritization at an Output of a User Terminal. IEEE Access, 2022, 10, 60887-60903.	4.2	1
49	Modulation adaptation according to radio channel pulse response. , 2011, , .		0
50	Impact of Used Communication Technology on the Navigation System for Hybrid Environment. Journal of Computer Networks and Communications, 2012, 2012, 1-10.	1.6	0
51	Contactless Identification System Based on Visual Analysis of Examined Element. Studies in Computational Intelligence, 2018, , 409-420.	0.9	0
52	Technology Analysis of Global Smart Furniture Development Using Patent Data. , 2020, , .		0
53	Performance Comparison of Sensor Implemented in Smartphones with X-IMU. Lecture Notes in Computer Science, 2016, , 190-199.	1.3	0
54	Detection of Drivers Plate at Smart Driver's Score Application Controlled by Voice Commands. Studies in Computational Intelligence, 2020, , 349-361.	0.9	0

#	Article	IF	Citations
55	Characteristic mechanical vibration recognition using neural network. , 2021, , .		0