

Liyuan Xu

List of Publications by Year in descending order

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623734

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all docs

44
docs citations

44
times ranked

628
citing authors

#	ARTICLE	IF	CITATIONS
1	CC-KF: Enhanced TOA Performance in Multipath and NLOS Indoor Extreme Environment. IEEE Sensors Journal, 2014, 14, 3766-3774.	4.7	107
2	Modeling the Effect of Human Body on TOA Based Indoor Human Tracking. International Journal of Wireless Information Networks, 2013, 20, 306-317.	2.7	102
3	Toward Accurate Human Tracking: Modeling Time-of-Arrival for Wireless Wearable Sensors in Multipath Environment. IEEE Sensors Journal, 2014, 14, 3996-4006.	4.7	96
4	A Cyber Physical Test-Bed for Virtualization of RF Access Environment for Body Sensor Network. IEEE Sensors Journal, 2013, 13, 3826-3836.	4.7	70
5	Modeling indoor TOA ranging error for body mounted sensors. , 2012, , .		55
6	WiDriver: Driver Activity Recognition System Based on WiFi CSI. International Journal of Wireless Information Networks, 2018, 25, 146-156.	2.7	55
7	Sequential Human Activity Recognition Based on Deep Convolutional Network and Extreme Learning Machine Using Wearable Sensors. Journal of Sensors, 2018, 2018, 1-10.	1.1	51
8	Catalytic hairpin assembly gel assay for multiple and sensitive microRNA detection. Theranostics, 2018, 8, 2646-2656.	10.0	38
9	Toward Near-Ground Localization: Modeling and Applications for TOA Ranging Error. IEEE Transactions on Antennas and Propagation, 2017, 65, 5658-5662.	5.1	31
10	Multimodal Deep Learning for Heterogeneous GNSS-R Data Fusion and Ocean Wind Speed Retrieval. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5971-5981.	4.9	29
11	A Testbed for Evaluation of the Effects of Multipath on Performance of TOA-Based Indoor Geolocation. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2237-2247.	4.7	25
12	An empirical channel model for the effect of human body on ray tracing. , 2013, , .		23
13	Fuzzy Logic Based Multidimensional Link Quality Estimation for Multi-Hop Wireless Sensor Networks. IEEE Sensors Journal, 2013, 13, 3605-3615.	4.7	19
14	Edge Computing-Based ID and nID Combined Identification and Resolution Scheme in IoT. IEEE Internet of Things Journal, 2019, 6, 6811-6821.	8.7	18
15	Towards Human Motion Tracking: Multi-Sensory IMU/TOA Fusion Method and Fundamental Limits. Electronics (Switzerland), 2019, 8, 142.	3.1	18
16	Characteristic Modeling of TOA Ranging Error in Rotating Anchor-Based Relative Positioning. IEEE Sensors Journal, 2017, 17, 7945-7953.	4.7	15
17	An infrastructure with user-centered presentation data model for integrated management of materials data and services. Npj Computational Materials, 2021, 7, .	8.7	15
18	RSS Assisted TOA-Based Indoor Geolocation. International Journal of Wireless Information Networks, 2013, 20, 157-165.	2.7	11

#	ARTICLE	IF	CITATIONS
19	The effect of multipath and NLOS on TOA ranging error and energy based on UWB. , 2016, , .		10
20	Adaptive time delay estimation algorithm for indoor near-field electromagnetic ranging. International Journal of Communication Systems, 2017, 30, e3113.	2.5	10
21	Ultra-Wideband Radio Channel Characteristics for Near-Ground Swarm Robots Communication. IEEE Transactions on Wireless Communications, 2020, 19, 4715-4726.	9.2	10
22	A Super-Resolution-Assisted Fingerprinting Method Based on Channel Impulse Response Measurement for Indoor Positioning. IEEE Transactions on Mobile Computing, 2019, 18, 2740-2753.	5.8	9
23	A practical indoor TOA ranging error model for localization algorithm. , 2011, , .		8
24	Recurrent Transformation of Prior Knowledge Based Model for Human Motion Recognition. Computational Intelligence and Neuroscience, 2018, 2018, 1-12.	1.7	7
25	Iterative Reweighted DOA Estimation for Impulsive Noise Processing Based on Off-Grid Variational Bayesian Learning. IEEE Access, 2019, 7, 104642-104654.	4.2	7
26	Toward Emergency Indoor Localization: Maximum Correntropy Criterion Based Direction Estimation Algorithm for Mobile TOA Rotation Anchor. IEEE Access, 2018, 6, 35867-35878.	4.2	6
27	A reformative teaching-learning-based optimization algorithm for solving numerical and engineering design optimization problems. Soft Computing, 2020, 24, 15889-15906.	3.6	6
28	Collaborative Geolocation Based on Imprecise Initial Coordinates for Internet of Things. IEEE Access, 2018, 6, 48850-48858.	4.2	5
29	3D Localization Performance Evaluation using IMU/TOA Fusion Methods. International Journal of Wireless Information Networks, 2019, 26, 67-79.	2.7	5
30	Security Vulnerabilities and Countermeasures for Time Synchronization in TSCH Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-14.	1.2	4
31	Height dependent TOA ranging error model for near ground localization applications. , 2014, , .		3
32	Toward high accuracy and visualization: An interpretable feature extraction method based on genetic programming and non-overlap degree. , 2020, , .		3
33	CRLB for TOA Based Near-Ground Swarm Robotic Localization. , 2015, , .		1
34	STS_4e: Secure Time Synchronization in IEEE802.15.4e Networks. International Journal of Wireless Information Networks, 2016, 23, 283-296.	2.7	1
35	FPGA implementation of adaptive time delay estimation for real-time near-field electromagnetic ranging. International Journal of Circuit Theory and Applications, 2018, 46, 1940-1952.	2.0	1
36	Corrections to "Toward Near-Ground Localization: Modeling and Applications for TOA Ranging Error"[Oct 17 5658-5662]. IEEE Transactions on Antennas and Propagation, 2018, 66, 1052-1052.	5.1	1

#	ARTICLE	IF	CITATIONS
37	The Influence of Target Orientation on the Underground Targets Classification. , 2019, , .		1
38	Penalty Function Based Anchor-Free Positioning. , 2015, , .		0
39	Ultra-wide bandwidth near ground channel analysis and modeling. , 2016, , .		0
40	Explicit Time Delay Estimation Algorithm Based on Maximum Correntropy Criterion and Approximate Prolate Series. , 2018, , .		0
41	Adaptive Noise Cancellation Based on Time Delay Estimation for Low Frequency Communication. Applied Sciences (Switzerland), 2018, 8, 734.	2.5	0
42	P2PNav: A System-Level Algorithmic Solution for Highly Accurate Direction Estimation for Infrastructure-Free Indoor Navigation. IEEE Systems Journal, 2020, , 1-11.	4.6	0
43	Point-to-Point Rotation Orientation Algorithm Based on the Secondary Template Matching. Advances in Intelligent Systems and Computing, 2019, , 489-497.	0.6	0