

Kaveh Pahlavan

List of Publications by Year in descending order

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46
papers

959
citations

840776

11
h-index

713466

21
g-index

55
all docs

55
docs citations

55
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Enlighten Wearable Physiological Monitoring Systems: On-Body RF Characteristics Based Human Motion Classification Using a Support Vector Machine. IEEE Transactions on Mobile Computing, 2016, 15, 656-671.	5.8	101
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	Indoor geolocation in the absence of direct path. IEEE Wireless Communications, 2006, 13, 50-58.	9.0	93
5	DOA-Based Endoscopy Capsule Localization and Orientation Estimation via Unscented Kalman Filter. IEEE Sensors Journal, 2014, 14, 3819-3829.	4.7	63
6	Evolution and Impact of Wi-Fi Technology and Applications: A Historical Perspective. International Journal of Wireless Information Networks, 2021, 28, 3-19.	2.7	55
7	Analysis of Time of Arrival Estimation Using Wideband Measurements of Indoor Radio Propagations. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1537-1545.	4.7	53
8	Performance Evaluation of COVID-19 Proximity Detection Using Bluetooth LE Signal. IEEE Access, 2021, 9, 38891-38906.	4.2	29
9	Site-Specific RSS Signature Modeling for WiFi Localization. , 2009, , .		23
10	Indoor Motion Detection Using Wi-Fi Channel State Information in Flat Floor Environments Versus in Staircase Environments. Sensors, 2018, 18, 2177.	3.8	20
11	Precise Tracking of Things via Hybrid 3-D Fingerprint Database and Kernel Method Particle Filter. IEEE Sensors Journal, 2016, 16, 8963-8971.	4.7	18
12	Characteristic and Modeling of Human Body Motions for Body Area Network Applications. International Journal of Wireless Information Networks, 2012, 19, 219-228.	2.7	13
13	Fundamental Limits of TOA/DOA and Inertial Measurement Unit-Based Wireless Capsule Endoscopy Hybrid Localization. International Journal of Wireless Information Networks, 2017, 24, 169-179.	2.7	12
14	RF Isolated Real-Time Multipath Testbed for Performance Analysis of WLANs. , 2006, , .		10
15	RF localization inside human body: Enabling micro-robotic navigation for medical applications. , 2011, , .		10
16	RF Cloud for Cyberspace Intelligence. IEEE Access, 2020, 8, 89976-89987.	4.2	10
17	On accuracy of simple FDTD models for the simulation of human body path loss. , 2011, , .		8
18	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

#	ARTICLE	IF	CITATIONS
19	A Model-Based RF Hand Motion Detection System for Shadowing Scenarios. IEEE Access, 2020, 8, 115662-115672.	4.2	5
20	COVID-19 Social Distance Proximity Estimation Using Machine Learning Analyses of Smartphone Sensor Data. IEEE Sensors Journal, 2022, 22, 9568-9579.	4.7	5
21	Complex Motion Detection Based on Channel State Information and LSTM-RNN. , 2020, , .		4
22	Modeling and Simulation of Narrowband Signal Characteristics. , 2005, , 93-147.		3
23	A novel approach for throughput analysis of multi-hop multi-rate WLANs. , 2014, , .		3
24	Machine Learning Estimation of COVID-19 Social Distance using Smartphone Sensor Data. , 2021, 2021, 4452-4457.		3
25	Modeling the Effect of Human Body on ToA Ranging Using Ray Theory. International Journal of Wireless Information Networks, 2017, 24, 140-152.	2.7	2
26	Introduction to Special Issue on 25th Anniversary of IJWIN: the First Journal Devoted to Wireless Networks. International Journal of Wireless Information Networks, 2021, 28, 1-2.	2.7	2
27	An overview of the center for wireless information network studies at Worcester Polytechnic Institute, MA, USA. Mobile Computing and Communications Review, 2000, 4, 41-43.	1.7	1
28	Wiley Series in Telecommunications and Signal Processing. , 2005, , 1-2.		1
29	Overview of Wireless Networks. , 2005, , 3-22.		1
30	Topology, Medium Access, and Performance. , 2005, , 501-579.		1
31	RF Location Sensing. , 2005, , 607-637.		1
32	Systems and Standards. , 2005, , 663-688.		1
33	Characterization of Radio Propagation. , 2005, , 53-91.		1
34	A Study of on-Body RF Characteristics Based Human Body Motion Detection. IEEE Sensors Journal, 2022, 22, 3442-3454.	4.7	1
35	Understanding of RF Cloud Interference Measurement and Modeling. International Journal of Wireless Information Networks, 2022, 29, 206-221.	2.7	1
36	A Study of Interference Analysis Between mmWave Radars and IEEE 802.11AD at 60GHz Bands. International Journal of Wireless Information Networks, 0, , .	2.7	1

#	ARTICLE	IF	CITATIONS
37	Narrowband Modem Technology. , 2005, , 281-340.		0
38	Broadband Modem Technologies. , 2005, , 377-434.		0
39	Spread-Spectrum and CDMA Technology. , 2005, , 435-498.		0
40	Evolution of the Wireless Industry. , 2005, , 23-50.		0
41	Ultrawideband Communications. , 2005, , 581-605.		0
42	Wireless Optical Networks. , 2005, , 639-661.		0
43	Measurement of Wideband and UWB Channel Characteristics. , 2005, , 149-203.		0
44	Modeling of Wideband Radio Channel Characteristics. , 2005, , 205-278.		0
45	Fading, Diversity, and Coding. , 2005, , 341-375.		0
46	Design and performance evaluation of a localization system to locate unwanted drones by using wireless signals. , 2018, , .		0