

# 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	A Study of on-Body RF Characteristics Based Human Body Motion Detection. IEEE Sensors Journal, 2022, 22, 3442-3454.	4.7	1
2	Understanding of RF Cloud Interference Measurement and Modeling. International Journal of Wireless Information Networks, 2022, 29, 206-221.	2.7	1
3	COVID-19 Social Distance Proximity Estimation Using Machine Learning Analyses of Smartphone Sensor Data. IEEE Sensors Journal, 2022, 22, 9568-9579.	4.7	5
4	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
5	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
6	Performance Evaluation of COVID-19 Proximity Detection Using Bluetooth LE Signal. IEEE Access, 2021, 9, 38891-38906.	4.2	29
7	Machine Learning Estimation of COVID-19 Social Distance using Smartphone Sensor Data. , 2021, 2021, 4452-4457.		3
8	A Model-Based RF Hand Motion Detection System for Shadowing Scenarios. IEEE Access, 2020, 8, 115662-115672.	4.2	5
9	Complex Motion Detection Based on Channel State Information and LSTM-RNN. , 2020, , .		4
10	RF Cloud for Cyberspace Intelligence. IEEE Access, 2020, 8, 89976-89987.	4.2	10
11	Design and performance evaluation of a localization system to locate unwanted drones by using wireless signals. , 2018, , .		0
12	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
13	Indoor Motion Detection Using Wi-Fi Channel State Information in Flat Floor Environments Versus in Staircase Environments. Sensors, 2018, 18, 2177.	3.8	20
14	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
15	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
16	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
17	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
18	A novel approach for throughput analysis of multi-hop multi-rate WLANs. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	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
20	DOA-Based Endoscopy Capsule Localization and Orientation Estimation via Unscented Kalman Filter. IEEE Sensors Journal, 2014, 14, 3819-3829.	4.7	63
21	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
22	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
23	On accuracy of simple FDTD models for the simulation of human body path loss. , 2011, , .		8
24	RF localization inside human body: Enabling micro-robotic navigation for medical applications. , 2011, , .		10
25	Site-Specific RSS Signature Modeling for WiFi Localization. , 2009, , .		23
26	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
27	RF Isolated Real-Time Multipath Testbed for Performance Analysis of WLANs. , 2006, , .		10
28	Indoor geolocation in the absence of direct path. IEEE Wireless Communications, 2006, 13, 50-58.	9.0	93
29	Narrowband Modem Technology. , 2005, , 281-340.		0
30	Wiley Series in Telecommunications and Signal Processing. , 2005, , 1-2.		1
31	Modeling and Simulation of Narrowband Signal Characteristics. , 2005, , 93-147.		3
32	Broadband Modem Technologies. , 2005, , 377-434.		0
33	Overview of Wireless Networks. , 2005, , 3-22.		1
34	Spread-Spectrum and CDMA Technology. , 2005, , 435-498.		0
35	Evolution of the Wireless Industry. , 2005, , 23-50.		0
36	Topology, Medium Access, and Performance. , 2005, , 501-579.		1

#	ARTICLE	IF	CITATIONS
37	Ultrawideband Communications. , 2005, , 581-605.		0
38	RF Location Sensing. , 2005, , 607-637.		1
39	Wireless Optical Networks. , 2005, , 639-661.		0
40	Systems and Standards. , 2005, , 663-688.		1
41	Characterization of Radio Propagation. , 2005, , 53-91.		1
42	Measurement of Wideband and UWB Channel Characteristics. , 2005, , 149-203.		0
43	Modeling of Wideband Radio Channel Characteristics. , 2005, , 205-278.		0
44	Fading, Diversity, and Coding. , 2005, , 341-375.		0
45	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
46	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