

Kevin Chetty

List of Publications by Year in descending order

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26
papers

931
citations

687363

13
h-index

888059

17
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26
all docs

26
docs citations

26
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	On CSI and Passive Wi-Fi Radar for Opportunistic Physical Activity Recognition. IEEE Transactions on Wireless Communications, 2022, 21, 607-620.	9.2	15
2	SimHumalator: An Open-Source End-to-End Radar Simulator for Human Activity Recognition. IEEE Aerospace and Electronic Systems Magazine, 2022, 37, 6-22.	1.3	17
3	Using RF Transmissions From IoT Devices for Occupancy Detection and Activity Recognition. IEEE Sensors Journal, 2022, 22, 2484-2495.	4.7	6
4	FMNet: Latent Feature-Wise Mapping Network for Cleaning Up Noisy Micro-Doppler Spectrogram. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	2
5	A Survey on Fundamental Limits of Integrated Sensing and Communication. IEEE Communications Surveys and Tutorials, 2022, 24, 994-1034.	39.4	195
6	Pi-NIC: Indoor Sensing Using Synchronized Off-The-Shelf Wireless Network Interface Cards and Raspberry Pis. , 2022, , .		3
7	Passive WiFi Radar for Human Sensing Using a Stand-Alone Access Point. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1986-1998.	6.3	54
8	Augmenting Experimental Data with Simulations to Improve Activity Classification in Healthcare Monitoring. , 2021, , .		7
9	Human Micro-Doppler Signature Classification in the Presence of a Selection of Jamming Signals. , 2021, , .		2
10	GAN Based Noise Generation to Aid Activity Recognition when Augmenting Measured WiFi Radar Data with Simulations. , 2021, , .		10
11	Respiration and Activity Detection Based on Passive Radio Sensing in Home Environments. IEEE Access, 2020, 8, 12426-12437.	4.2	12
12	Occupancy Detection and People Counting Using WiFi Passive Radar. , 2020, , .		24
13	DopNet: A Deep Convolutional Neural Network to Recognize Armed and Unarmed Human Targets. IEEE Sensors Journal, 2019, 19, 4160-4172.	4.7	13
14	Physical Activity Sensing via Stand-Alone WiFi Device. , 2019, , .		9
15	On the Application of Digital Moving Target Indication Techniques to Short-Range FMCW Radar Data. IEEE Sensors Journal, 2018, 18, 4167-4175.	4.7	62
16	Exploiting WiFi Channel State Information for Residential Healthcare Informatics. , 2018, 56, 130-137.		82
17	Low-cost mechanism to reconfigure the operating frequency band of a Vivaldi antenna for cognitive radio and spectrum monitoring applications. IET Microwaves, Antennas and Propagation, 2018, 12, 779-782.	1.4	15
18	UK-based terrorists' antecedent behavior: A spatial and temporal analysis. Applied Geography, 2017, 86, 274-282.	3.7	20

#	ARTICLE	IF	CITATIONS
19	A wireless passive radar system for real-time through-wall movement detection. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 2596-2603.	4.7	41
20	Activity recognition based on micro-Doppler signature with in-home Wi-Fi. , 2016, , .		31
21	A New Multistatic FMCW Radar Architecture by Over-the-Air Deramping. IEEE Sensors Journal, 2015, 15, 7045-7053.	4.7	23
22	A real-time high resolution passive WiFi Doppler-radar and its applications. , 2014, , .		48
23	Public attitudes to airport security: The case of whole body scanners. Security Journal, 2012, 25, 229-243.	1.7	22
24	Through-the-Wall Sensing of Personnel Using Passive Bistatic WiFi Radar at Standoff Distances. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1218-1226.	6.3	185
25	Microbubble Contrast Agent Detection Using Binary Coded Pulses. Ultrasound in Medicine and Biology, 2007, 33, 1787-1795.	1.5	20
26	Investigating the nonlinear microbubble response to chirp encoded, multipulse sequences. Ultrasound in Medicine and Biology, 2006, 32, 1887-1895.	1.5	13