Han Zou

List of Publications by Citations

54	1,896	24	42
papers	citations	h-index	g-index
57	2,464	6.7	5.33
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
54	Fusion of WiFi, smartphone sensors and landmarks using the Kalman filter for indoor localization. *Sensors*, **2015**, 15, 715-32	3.8	249
53	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. *IEEE Transactions on Wireless Communications*, **2016**, 15, 1252-1266	9.6	118
52	A fast and precise indoor localization algorithm based on an online sequential extreme learning machine. *Sensors*, **2015**, 15, 1804-24	3.8	97
51	WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. *IEEE Transactions on Wireless Communications*, **2017**, 16, 8118-8130	9.6	91
50	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. *Energy and Buildings*, **2018**, 158, 924-938	7	77
49	Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. *IEEE Internet of Things Journal*, **2018**, 5, 3991-4002	10.7	73
48	Device-free occupancy detection and crowd counting in smart buildings with WiFi-enabled IoT. *Energy and Buildings*, **2018**, 174, 309-322	7	71
47	Robust Extreme Learning Machine With its Application to Indoor Positioning. *IEEE Transactions on Cybernetics*, **2016**, 46, 194-205	10.2	69
46	BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. *Sensors*, **2016**, 16, 268	3.8	69
45	Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon **2017**,		61
44	Non-intrusive occupancy sensing in commercial buildings. *Energy and Buildings*, **2017**, 154, 633-643	7	57
43	Towards occupant activity driven smart buildings via WiFi-enabled IoT devices and deep learning. *Energy and Buildings*, **2018**, 177, 12-22	7	55
42	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. *IEEE Systems Journal* , **2020**, 14, 3001-3010	4.3	52
41	FreeCount: Device-Free Crowd Counting with Commodity WiFi **2017**,		40
40	Exploiting cyclic features of walking for pedestrian dead reckoning with unconstrained smartphones **2016**,		38
39	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning **2017**,		36
38	Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. *IEEE Internet of Things Journal*, **2019**, 6, 10763-10772	10.7	35

37	Platform and Algorithm Development for a RFID-Based Indoor Positioning System. *Unmanned Systems*, **2014**, 02, 279-291	3	35
36	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network **2018**,		32
35	. *Proceedings of the IEEE*, **2018**, 106, 1680-1699	14.3	31
34	FreeDetector: Device-Free Occupancy Detection with Commodity WiFi **2017**,		29
33	An online sequential extreme learning machine approach to WiFi based indoor positioning **2014**,		28
32	An RFID indoor positioning system by using weighted path loss and extreme learning machine **2013** ,		27
31	CareFi: Sedentary Behavior Monitoring System via Commodity WiFi Infrastructures. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 7620-7629	6.8	24
30	Environmental sensing by wearable device for indoor activity and location estimation **2014**,		24
29	A mutual information based online access point selection strategy for WiFi indoor localization **2015** ,		23
28	Standardizing location fingerprints across heterogeneous mobile devices for indoor localization **2016**,		23
27	SugarMate **2017**, 1, 1-27		21
26	Consensus Adversarial Domain Adaptation. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 5997-6004	5	21
25	Unsupervised WiFi-Enabled IoT Device-User Association for Personalized Location-Based Service. *IEEE Internet of Things Journal*, **2019**, 6, 1238-1245	10.7	21
24	Robust occupancy inference with commodity WiFi **2016**,		20
23	Building-in-Briefcase: A Rapidly-Deployable Environmental Sensor Suite for the Smart Building. *Sensors*, **2018**, 18,	3.8	19
22	WiFi and Vision Multimodal Learning for Accurate and Robust Device-Free Human Activity Recognition **2019**,		19
21	Robust WiFi-Enabled Device-Free Gesture Recognition via Unsupervised Adversarial Domain Adaptation **2018**,		19
20	Adversarial Learning-Enabled Automatic WiFi Indoor Radio Map Construction and Adaptation With Mobile Robot. *IEEE Internet of Things Journal*, **2020**, 7, 6946-6954	10.7	16

19	Fine-grained adaptive location-independent activity recognition using commodity WiFi **2018**,		16
18	Nonparametric Event Detection in Multiple Time Series for Power Distribution Networks. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 1619-1628	8.9	16
17	An integrative Weighted Path Loss and Extreme Learning Machine approach to Rfid based Indoor Positioning **2013**,		15
16	WiFi-enabled Device-free Gesture Recognition for Smart Home Automation **2018**,		14
15	MobileDA: Toward Edge-Domain Adaptation. *IEEE Internet of Things Journal*, **2020**, 7, 6909-6918	10.7	13
14	MapSentinel: Can the Knowledge of Space Use Improve Indoor Tracking Further?. *Sensors*, **2016**, 16,	3.8	13
13	Multiple Kernel Semi-Representation Learning With Its Application to Device-Free Human Activity Recognition. *IEEE Internet of Things Journal*, **2019**, 6, 7670-7680	10.7	11
12	Indoor Occupant Positioning System Using Active RFID Deployment and Particle Filters **2014**,		9
11	Mind the Discriminability: Asymmetric Adversarial Domain Adaptation. *Lecture Notes in Computer Science*, **2020**, 589-606	0.9	9
10	Consensus-Based Parallel Extreme Learning Machine for Indoor Localization **2016**,		9
9	Joint Adversarial Domain Adaptation for Resilient WiFi-Enabled Device-Free Gesture Recognition **2018**,		8
8	WinIPS: WiFi-based non-intrusive IPS for online radio map construction **2016**,		7
7	Multiple Kernel Representation Learning for WiFi-Based Human Activity Recognition **2017**,		7
6	BikeMate **2017**,		6
5	GarbageNet: A Unified Learning Framework for Robust Garbage Classification. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	5
4	EfficientFi: Towards Large-Scale Lightweight WiFi Sensing via CSI Compression. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	4
3	Robust adversarial discriminative domain adaptation for real-world cross-domain visual recognition. *Neurocomputing*, **2021**, 433, 28-36	5.4	4
2	Extreme learning machine with dead zone and its application to WiFi based indoor positioning **2014** ,		2

1 Advancing Imbalanced Domain Adaptation: Cluster-Level Discrepancy Minimization With a Comprehensive Benchmark. *IEEE Transactions on Cybernetics*, **2021**, PP, 10.2 1