Guohao Lan

List of Publications by Year
in descending order

		1040056	1125743
32 papers	**1,182** citations	**9** h-index	**13** g-index
32 all docs	**32** docs citations	**32** times ranked	**1286** citing authors

#	Article	IF	Citations
1	Deep Learning for Detecting Human Activities From Piezoelectric-Based Kinetic Energy Signals. IEEE Internet of Things Journal, 2022, 9, 7545-7558.	8.7	6
2	Simultaneous Energy Harvesting and Gait Recognition Using Piezoelectric Energy Harvester. IEEE Transactions on Mobile Computing, 2022, 21, 2198-2209.	5.8	12
3	Towards a Compressive-Sensing-Based Lightweight Encryption Scheme for the Internet of Things. IEEE Transactions on Mobile Computing, 2021, 20, 3049-3065.	5.8	9
4	MetaSense: Boosting RF Sensing Accuracy Using Dynamic Metasurface Antenna. IEEE Internet of Things Journal, 2021, 8, 14110-14126.	8.7	11
5	EnTrans: Leveraging Kinetic Energy Harvesting Signal for Transportation Mode Detection. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2816-2827.	8.0	20
6	Sensing, Computing, and Communications for Energy Harvesting IoTs: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1222-1250.	39.4	184
7	Wireless Sensing Using Dynamic Metasurface Antennas: Challenges and Opportunities. IEEE Communications Magazine, 2020, 58, 66-71.	6.1	8
8	CollabAR: Edge-assisted Collaborative Image Recognition for Mobile Augmented Reality. , 2020, , .		22
9	Capacitor-based Activity Sensing for Kinetic-powered Wearable IoTs. ACM Transactions on Internet of Things, 2020, 1, 1-26.	4.6	14
10	KEHKey. , 2020, 4, 1-26.		13
11	SolarGest. , 2019, , .		45
12	Edge-assisted collaborative image recognition for augmented reality. , 2019, , .		5
13	KEH-Gait: Using Kinetic Energy Harvesting for Gait-based User Authentication Systems. IEEE Transactions on Mobile Computing, 2019, 18, 139-152.	5.8	49
14	HARKE: Human Activity Recognition from Kinetic Energy Harvesting Data in Wearable Devices. IEEE Transactions on Mobile Computing, 2018, 17, 1353-1368.	5.8	111
15	HiddenCode: Hidden Acoustic Signal Capture with Vibration Energy Harvesting. , 2018, , .		6
16	Gesture Recognition with Transparent Solar Cells. , 2018, , .		6
17	Kinetic-Powered Health Wearables: Challenges and Opportunities. Computer, 2018, 51, 64-74.	1.1	19
18	Demo Abstract: Simultaneous Energy Harvesting and Sensing Using Piezoelectric Energy Harvester. , 2018, , .		2

#	Article	IF	Citations
19	SEHS: Simultaneous Energy Harvesting and Sensing Using Piezoelectric Energy Harvester. , 2018, , .		23
20	Human Context Detection From Kinetic Energy Harvesting Wearables. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 107-133.	0.4	1
21	VEH-COM: Demodulating vibration energy harvesting for short range communication. , 2017, , .		13
22	Kryptein. , 2017, , .		23
23	A Survey of Wearable Devices and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 2573-2620.	39.4	479
24	Energy-efficient acoustic communication using vibration energy harvesting. , 2017, , .		0
25	Unobtrusive User Verification using Piezoelectric Energy Harvesting. , 2017, , .		3
26	CapSense. , 2017, , .		20
27	KEH-Gait: Towards a Mobile Healthcare User Authentication System by Kinetic Energy Harvesting. , 2017, , .		33
28	AMONET: A method for detecting and mitigating the data rate degradation due to interference over wireless networks. , 2016, , .		0
29	Transportation mode detection using kinetic energy harvesting wearables. , 2016, , .		22
30	A Bayesian framework for energy-neutral activity monitoring with self-powered wearable sensors. , 2016, , .		5
31	Estimating Calorie Expenditure from Output Voltage of Piezoelectric Energy Harvester - an Experimental Feasibility Study. , 2015, , .		17
32	Gait-Based Smart Pairing System for Personal Wearable Devices. , 0, , .		1