

# Guohao Lan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8230009/publications.pdf>

Version: 2024-02-01

32  
papers

1,182  
citations

1040056

9  
h-index

1125743

13  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1286  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Wearable Devices and Challenges. IEEE Communications Surveys and Tutorials, 2017, 19, 2573-2620.	39.4	479
2	Sensing, Computing, and Communications for Energy Harvesting IoTs: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1222-1250.	39.4	184
3	HARKE: Human Activity Recognition from Kinetic Energy Harvesting Data in Wearable Devices. IEEE Transactions on Mobile Computing, 2018, 17, 1353-1368.	5.8	111
4	KEH-Gait: Using Kinetic Energy Harvesting for Gait-based User Authentication Systems. IEEE Transactions on Mobile Computing, 2019, 18, 139-152.	5.8	49
5	SolarGest. , 2019, , .		45
6	KEH-Gait: Towards a Mobile Healthcare User Authentication System by Kinetic Energy Harvesting. , 2017, , .		33
7	Kryptein. , 2017, , .		23
8	SEHS: Simultaneous Energy Harvesting and Sensing Using Piezoelectric Energy Harvester. , 2018, , .		23
9	Transportation mode detection using kinetic energy harvesting wearables. , 2016, , .		22
10	CollabAR: Edge-assisted Collaborative Image Recognition for Mobile Augmented Reality. , 2020, , .		22
11	CapSense. , 2017, , .		20
12	EnTrans: Leveraging Kinetic Energy Harvesting Signal for Transportation Mode Detection. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2816-2827.	8.0	20
13	Kinetic-Powered Health Wearables: Challenges and Opportunities. Computer, 2018, 51, 64-74.	1.1	19
14	Estimating Calorie Expenditure from Output Voltage of Piezoelectric Energy Harvester - an Experimental Feasibility Study. , 2015, , .		17
15	Capacitor-based Activity Sensing for Kinetic-powered Wearable IoTs. ACM Transactions on Internet of Things, 2020, 1, 1-26.	4.6	14
16	VEH-COM: Demodulating vibration energy harvesting for short range communication. , 2017, , .		13
17	KEHKey. , 2020, 4, 1-26.		13
18	Simultaneous Energy Harvesting and Gait Recognition Using Piezoelectric Energy Harvester. IEEE Transactions on Mobile Computing, 2022, 21, 2198-2209.	5.8	12

#	ARTICLE	IF	CITATIONS
19	MetaSense: Boosting RF Sensing Accuracy Using Dynamic Metasurface Antenna. IEEE Internet of Things Journal, 2021, 8, 14110-14126.	8.7	11
20	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
21	Wireless Sensing Using Dynamic Metasurface Antennas: Challenges and Opportunities. IEEE Communications Magazine, 2020, 58, 66-71.	6.1	8
22	HiddenCode: Hidden Acoustic Signal Capture with Vibration Energy Harvesting. , 2018, , .		6
23	Gesture Recognition with Transparent Solar Cells. , 2018, , .		6
24	Deep Learning for Detecting Human Activities From Piezoelectric-Based Kinetic Energy Signals. IEEE Internet of Things Journal, 2022, 9, 7545-7558.	8.7	6
25	A Bayesian framework for energy-neutral activity monitoring with self-powered wearable sensors. , 2016, , .		5
26	Edge-assisted collaborative image recognition for augmented reality. , 2019, , .		5
27	Unobtrusive User Verification using Piezoelectric Energy Harvesting. , 2017, , .		3
28	Demo Abstract: Simultaneous Energy Harvesting and Sensing Using Piezoelectric Energy Harvester. , 2018, , .		2
29	Gait-Based Smart Pairing System for Personal Wearable Devices. , 0, , .		1
30	Human Context Detection From Kinetic Energy Harvesting Wearables. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 107-133.	0.4	1
31	AMONET: A method for detecting and mitigating the data rate degradation due to interference over wireless networks. , 2016, , .		0
32	Energy-efficient acoustic communication using vibration energy harvesting. , 2017, , .		0