Tuan Nguyen Gia

List of Publications by Year
in descending order

38 papers	2,843 citations	686830 13 h-index	887659 17 g-index
40 all docs	40 docs citations	40 times ranked	2838 citing authors

#	Article	IF	Citations
1	Exploiting smart e-Health gateways at the edge of healthcare Internet-of-Things: A fog computing approach. Future Generation Computer Systems, 2018, 78, 641-658.	4.9	806
2	Fog Computing in Healthcare Internet of Things: A Case Study on ECG Feature Extraction. , 2015, , .		275
3	End-to-end security scheme for mobility enabled healthcare Internet of Things. Future Generation Computer Systems, 2016, 64, 108-124.	4.9	227
4	Smart e-Health Gateway: Bringing intelligence to Internet-of-Things based ubiquitous healthcare systems. , 2015, , .		224
5	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. Procedia Computer Science, 2015, 52, 452-459.	1.2	209
6	Collaborative Multi-Robot Search and Rescue: Planning, Coordination, Perception, and Active Vision. IEEE Access, 2020, 8, 191617-191643.	2.6	167
7	Energy efficient wearable sensor node for IoT-based fall detection systems. Microprocessors and Microsystems, 2018, 56, 34-46.	1.8	111
8	IoT-based continuous glucose monitoring system: A feasibility study. Procedia Computer Science, 2017, 109, 327-334.	1.2	89
9	Energy efficient fog-assisted IoT system for monitoring diabetic patients with cardiovascular disease. Future Generation Computer Systems, 2019, 93, 198-211.	4.9	76
10	Comparative Study of LPWAN Technologies on Unlicensed Bands for M2M Communication in the IoT: beyond LoRa and LoRaWAN. Procedia Computer Science, 2019, 155, 343-350.	1.2	52
11	Leveraging Fog Computing for Healthcare IoT. , 2018, , 145-169.		52
12	One-Dimensional CNN Approach for ECG Arrhythmia Analysis in Fog-Cloud Environments. IEEE Access, 2021, 9, 103513-103523.	2.6	46
13	Fog Computing Approach for Mobility Support in Internet-of-Things Systems. IEEE Access, 2018, 6, 36064-36082.	2.6	44
14	Multi-Sensor Fusion for Navigation and Mapping in Autonomous Vehicles: Accurate Localization in Urban Environments. Unmanned Systems, 2020, 08, 229-237.	2.7	43
15	Fault tolerant and scalable IoT-based architecture for health monitoring. , 2015, , .		37
16	Edge Computing to Secure IoT Data Ownership and Trade with the Ethereum Blockchain. Sensors, 2020, 20, 3965.	2.1	37
17	IoT-based fall detection system with energy efficient sensor nodes. , 2016, , .		35
18	Customizing 6LoWPAN networks towards Internet-of-Things based ubiquitous healthcare systems. , 2014, , .		32

#	Article	IF	Citations
19	Low-cost fog-assisted health-care IoT system with energy-efficient sensor nodes. , 2017, , .		31
20	IoT-based remote facial expression monitoring system with sEMG signal. , 2016, , .		30
21	Session Resumption-Based End-to-End Security for Healthcare Internet-of-Things. , 2015, , .		28
22	Portable multipurpose bio-signal acquisition and wireless streaming device for wearables. , 2017, , .		24
23	Edge Computing with Embedded AI. , 2019, , .		23
24	Analysis of Performance and Energy Consumption of Wearable Devices and Mobile Gateways in IoT Applications. , 2019, , .		15
25	Intelligent Autonomous Elderly Patient Home Monitoring System. , 2019, , .		15
26	Distributed Progressive Formation Control for Multi-Agent Systems: 2D and 3D deployment of UAVs in ROS/Gazebo with RotorS. , 2019, , .		15
27	Communication-free and Index-free Distributed Formation Control Algorithm for Multi-robot Systems. Procedia Computer Science, 2019, 151, 431-438.	1.2	13
28	Lightweight Security Algorithms for Resource-constrained IoT-based Sensor Nodes. , 2020, , .		12
29	Collaborative Mapping with IoE-based Heterogeneous Vehicles for Enhanced Situational Awareness. , 2019, , .		11
30	Autonomous Patient/Home Health Monitoring Powered by Energy Harvesting. , 2017, , .		10
31	NeuroCGRA: A CGRA with support for neural networks. , 2014, , .		9
32	Exploiting LoRa, edge, and fog computing for traffic monitoring in smart cities. , 2020, , 347-371.		8
33	Low-latency hardware architecture for cipher-based message authentication code. , 2017, , .		7
34	Energy-Efficient IoT-Enabled Fall Detection System with Messenger-Based Notification. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 19-26.	0.2	6
35	A Novel Internet-of-Drones and Blockchain-based System Architecture for Search and Rescue. , 2021, , .		6
36	Dynamic computation offloading for ground and flying robots: Taxonomy, state of art, and future directions. Computer Science Review, 2022, 45, 100488.	10.2	4

#	Article	IF	Citations
37	Wearable Health Monitoring System using Flexible Materials Electrodes. , 2020, , .		2
38	Artificial Intelligence at the Edge in the Blockchain of Things. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 267-280.	0.2	2