

# Tuan Nguyen Gia

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

1,860  
citations

18  
h-index

40  
g-index

40  
ext. papers

2,348  
ext. citations

3.2  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
37	Exploiting smart e-Health gateways at the edge of healthcare Internet-of-Things: A fog computing approach. <i>Future Generation Computer Systems</i> , <b>2018</b> , 78, 641-658	7.5	573
36	<b>2015</b> ,		206
35	Smart e-Health Gateway: Bringing intelligence to Internet-of-Things based ubiquitous healthcare systems <b>2015</b> ,		168
34	End-to-end security scheme for mobility enabled healthcare Internet of Things. <i>Future Generation Computer Systems</i> , <b>2016</b> , 64, 108-124	7.5	162
33	SEA: A Secure and Efficient Authentication and Authorization Architecture for IoT-Based Healthcare Using Smart Gateways. <i>Procedia Computer Science</i> , <b>2015</b> , 52, 452-459	1.6	147
32	Energy efficient wearable sensor node for IoT-based fall detection systems. <i>Microprocessors and Microsystems</i> , <b>2018</b> , 56, 34-46	2.4	79
31	IoT-based continuous glucose monitoring system: A feasibility study. <i>Procedia Computer Science</i> , <b>2017</b> , 109, 327-334	1.6	59
30	Energy efficient fog-assisted IoT system for monitoring diabetic patients with cardiovascular disease. <i>Future Generation Computer Systems</i> , <b>2019</b> , 93, 198-211	7.5	47
29	Collaborative Multi-Robot Search and Rescue: Planning, Coordination, Perception, and Active Vision. <i>IEEE Access</i> , <b>2020</b> , 8, 191617-191643	3.5	41
28	Leveraging Fog Computing for Healthcare IoT <b>2018</b> , 145-169		37
27	. <i>IEEE Access</i> , <b>2018</b> , 6, 36064-36082	3.5	34
26	Comparative Study of LPWAN Technologies on Unlicensed Bands for M2M Communication in the IoT: beyond LoRa and LoRaWAN. <i>Procedia Computer Science</i> , <b>2019</b> , 155, 343-350	1.6	26
25	Customizing 6LoWPAN networks towards Internet-of-Things based ubiquitous healthcare systems <b>2014</b> ,		26
24	Fault tolerant and scalable IoT-based architecture for health monitoring <b>2015</b> ,		25
23	IoT-based fall detection system with energy efficient sensor nodes <b>2016</b> ,		25
22	IoT-based remote facial expression monitoring system with sEMG signal <b>2016</b> ,		24
21	<b>2015</b> ,		21

20	Portable multipurpose bio-signal acquisition and wireless streaming device for wearables <b>2017</b> ,		19
19	Low-cost fog-assisted health-care IoT system with energy-efficient sensor nodes <b>2017</b> ,		18
18	One-Dimensional CNN Approach for ECG Arrhythmia Analysis in Fog-Cloud Environments. <i>IEEE Access</i> , <b>2021</b> , 9, 103513-103523	3.5	18
17	Edge Computing to Secure IoT Data Ownership and Trade with the Ethereum Blockchain. <i>Sensors</i> , <b>2020</b> , 20,	3.8	15
16	Multi-Sensor Fusion for Navigation and Mapping in Autonomous Vehicles: Accurate Localization in Urban Environments. <i>Unmanned Systems</i> , <b>2020</b> , 08, 229-237	3	12
15	Edge Computing with Embedded AI <b>2019</b> ,		9
14	Communication-free and Index-free Distributed Formation Control Algorithm for Multi-robot Systems. <i>Procedia Computer Science</i> , <b>2019</b> , 151, 431-438	1.6	8
13	Analysis of Performance and Energy Consumption of Wearable Devices and Mobile Gateways in IoT Applications <b>2019</b> ,		8
12	Intelligent Autonomous Elderly Patient Home Monitoring System <b>2019</b> ,		8
11	Distributed Progressive Formation Control for Multi-Agent Systems: 2D and 3D deployment of UAVs in ROS/Gazebo with RotorS <b>2019</b> ,		7
10	Autonomous Patient/Home Health Monitoring Powered by Energy Harvesting <b>2017</b> ,		7
9	Exploiting Fog Computing in Health Monitoring <b>2019</b> , 291-318		7
8	Collaborative Mapping with IoE-based Heterogeneous Vehicles for Enhanced Situational Awareness <b>2019</b> ,		5
7	NeuroCGRA: A CGRA with support for neural networks <b>2014</b> ,		5
6	Energy-Efficient IoT-Enabled Fall Detection System with Messenger-Based Notification. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 19-26	0.2	5
5	Exploiting LoRa, edge, and fog computing for traffic monitoring in smart cities <b>2020</b> , 347-371		3
4	Low-latency hardware architecture for cipher-based message authentication code <b>2017</b> ,		2
3	Lightweight Security Algorithms for Resource-constrained IoT-based Sensor Nodes <b>2020</b> ,		2

- 2 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
- 1 Detection of Epilepsy Seizures Based on Deep Learning with Attention Mechanism. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 71-84 0.2