

Hemant Ghayvat

List of Publications by Year in Descending Order

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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.

26

papers

824

citations

12

h-index

28

g-index

32

ext. papers

1,036

ext. citations

3.4

avg, IF

4.63

L-index

#	Paper	IF	Citations
26	A Simple Fabrication, Low Noise, Capacitive Tactile Sensor for Use in Inexpensive and Smart Healthcare Systems. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	2
25	AI-enabled radiologist in the loop: novel AI-based framework to augment radiologist performance for COVID-19 chest CT medical image annotation and classification from pneumonia.. <i>Neural Computing and Applications</i> , 2022 , 1-19	4.8	3
24	SHARIF: Solid Pod-based Secured Healthcare Information Storage and Exchange Solution in IoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	0
23	ReCognizing SUSpect and PredictiNg ThE SpRead of Contagion Based on Mobile Phone LoCation DaTa (COUNTERACT): A system of identifying COVID-19 infectious and hazardous sites, detecting disease outbreaks based on the internet of things, edge computing, and artificial intelligence. <i>Sustainable Cities and Society</i> , 2021 , 69, 102798	10.1	21
22	Ambient acoustic event assistive framework for identification, detection, and recognition of unknown acoustic events of a residence. <i>Advanced Engineering Informatics</i> , 2021 , 47, 101238	7.4	10
21	Deep Learning Model for Acoustics Signal Based Preventive Healthcare Monitoring and Activity of Daily Living 2020 ,		6
20	Smart Aging System: Uncovering the Hidden Wellness Parameter for Well-Being Monitoring and Anomaly Detection. <i>Sensors</i> , 2019 , 19,	3.8	31
19	Smart home based ambient assisted living: Recognition of anomaly in the activity of daily living for an elderly living alone 2018 ,		21
18	A Novel Cardiac Auscultation Monitoring System Based on Wireless Sensing for Healthcare. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018 , 6, 1900312	3	176
17	Smart Home Anti-Theft System: A Novel Approach for Near Real-Time Monitoring and Smart Home Security for Wellness Protocol. <i>Applied System Innovation</i> , 2018 , 1, 42	2.4	17
16	Wellness Protocol for Smart Homes. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 ,	0.3	1
15	Wellness Protocol Development and Implementation. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 53-91	0.3	
14	Issues and Mitigation of WSNs-Based Smart Building System. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 93-120	0.3	
13	Activity Detection and Wellness Pattern Generation. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017 , 121-143	0.3	
12	Activity and Anomaly Detection in Smart Home: A Survey. <i>Smart Sensors, Measurement and Instrumentation</i> , 2016 , 191-220	0.3	52
11	Issues and mitigation of interference, attenuation and direction of arrival in IEEE 802.15.4/ZigBee to wireless sensors and networks based smart building. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 86, 209-226	4.6	25
10	A Novel Secure IoT-Based Smart Home Automation System Using a Wireless Sensor Network. <i>Sensors</i> , 2016 , 17,	3.8	97

9	Accelerometer based human activities and posture recognition 2016 ,		2
8	Context-aware low power intelligent SmartHome based on the Internet of things. <i>Computers and Electrical Engineering</i> , 2016 , 52, 208-222	4.3	37
7	A 2.4GHz CMOS Gilbert Mixer in 180nm Technology 2015 ,		2
6	Wellness Sensor Networks: A Proposal and Implementation for Smart Home for Assisted Living. <i>IEEE Sensors Journal</i> , 2015 , 15, 7341-7348	4	65
5	An architecture to analyze big data in the Internet of Things 2015 ,		14
4	WSN- and IOT-Based Smart Homes and Their Extension to Smart Buildings. <i>Sensors</i> , 2015 , 15, 10350-79	3.8	209
3	SHARING RESEARCH EXPERIENCES OF WSN BASED SMART HOME. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2014 , 7, 1997-2013	0.4	10
2	Internet of Things for smart homes and buildings: Opportunities and Challenges. <i>Journal of Telecommunications and the Digital Economy</i> , 3, 33	1.9	11
1	Smart aging monitoring and early dementia recognition (SAMEDR): uncovering the hidden wellness parameter for preventive well-being monitoring to categorize cognitive impairment and dementia in community-dwelling elderly subjects through AI. <i>Neural Computing and Applications</i> , 1	4.8	2