Hemant Ghayvat

List of Publications by Year
in descending order

27 papers	1,225 citations	777949 13 h-index	889612 19 g-index
32 all docs	32 docs citations	32 times ranked	1866 citing authors

#	ARTICLE	IF	CITATIONS
1	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. Neural Computing and Applications, 2023, 35, 14591-14609.	3.2	13
2	SHARIF: Solid Pod-Based Secured Healthcare Information Storage and Exchange Solution in Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 5609-5618.	7.2	8
3	A Simple Fabrication, Low Noise, Capacitive Tactile Sensor for Use in Inexpensive and Smart Healthcare Systems. IEEE Sensors Journal, 2022, 22, 9069-9077.	2.4	8
4	Ambient acoustic event assistive framework for identification, detection, and recognition of unknown acoustic events of a residence. Advanced Engineering Informatics, 2021, 47, 101238.	4.0	27
5	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. Sustainable Cities and Society, 2021, 69, 102798.	5.1	35
6	Deep Learning Model for Acoustics Signal Based Preventive Healthcare Monitoring and Activity of Daily Living. , 2020, , .		17
7	Smart Aging System: Uncovering the Hidden Wellness Parameter for Well-Being Monitoring and Anomaly Detection. Sensors, 2019, 19, 766.	2.1	62
8	Face and Its Features Detection during Nap. , 2018, , .		2
9	Smart Home Anti-Theft System: A Novel Approach for Near Real-Time Monitoring and Smart Home Security for Wellness Protocol. Applied System Innovation, 2018, 1, 42.	2.7	28
10	Smart home based ambient assisted living: Recognition of anomaly in the activity of daily living for an elderly living alone. , 2018, , .		37
11	A Novel Cardiac Auscultation Monitoring System Based on Wireless Sensing for Healthcare. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-12.	2.2	213
12	Issues and mitigation of attenuation and direction of arrival in wellness protocol to wireless sensors and networks based smart building. , 2017, , .		2
13	A Novel Secure IoT-Based Smart Home Automation System Using a Wireless Sensor Network. Sensors, 2017, 17, 69.	2.1	154
14	Wellness Protocol Development and Implementation. Smart Sensors, Measurement and Instrumentation, 2017, , 53-91.	0.4	0
15	Activity Detection and Wellness Pattern Generation. Smart Sensors, Measurement and Instrumentation, 2017, , 121-143.	0.4	0
16	Accelerometer based human activities and posture recognition. , 2016, , .		3
17	Context-aware low power intelligent SmartHome based on the Internet of things. Computers and Electrical Engineering, 2016, 52, 208-222.	3.0	51
18	Issues and mitigation of interference, attenuation and direction of arrival in IEEE 802.15.4/ZigBee to wireless sensors and networks based smart building. Measurement: Journal of the International Measurement Confederation, 2016, 86, 209-226.	2.5	36

#	ARTICLE	IF	CITATIONS
19	Activity and Anomaly Detection in Smart Home: A Survey. Smart Sensors, Measurement and Instrumentation, 2016, , 191-220.	0.4	80
20	Simulation and evaluation of ZigBee based smart home using Qualnet simulator. , 2015, , .		2
21	An architecture to analyze big data in the Internet of Things. , 2015, , .		20
22	WSN- and IOT-Based Smart Homes and Their Extension to Smart Buildings. Sensors, 2015, 15, 10350-10379.	2.1	286
23	A 2.4GHz CMOS Gilbert Mixer in 180nm Technology. , 2015, , .		6
24	Wellness Sensor Networks: A Proposal and Implementation for Smart Home for Assisted Living. IEEE Sensors Journal, 2015, 15, 7341-7348.	2.4	86
25	Internet of Things for smart homes and buildings: Opportunities and Challenges. Journal of Telecommunications and the Digital Economy, 2015, 3, 33.	0.4	15
26	SHARING RESEARCH EXPERIENCES OF WSN BASED SMART HOME. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1997-2013.	0.4	14
27	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 subjectsÂthrough AI. Neural Computing and Applications, 0, , 1.	3.2	6