

Anita Gehlot

List of Publications by Year in descending order

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69
papers

946
citations

566801

15
h-index

476904

29
g-index

75
all docs

75
docs citations

75
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial Internet of Things and its Applications in Industry 4.0: State of The Art. Computer Communications, 2021, 166, 125-139.	3.1	197
2	An imperative role of sun trackers in photovoltaic technology: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 3263-3278.	8.2	73
3	Highway 4.0: Digitalization of highways for vulnerable road safety development with intelligent IoT sensors and machine learning. Safety Science, 2021, 143, 105407.	2.6	67
4	Village 4.0: Digitalization of village with smart internet of things technologies. Computers and Industrial Engineering, 2022, 165, 107938.	3.4	56
5	Cloud Manufacturing, Internet of Things-Assisted Manufacturing and 3D Printing Technology: Reliable Tools for Sustainable Construction. Sustainability, 2021, 13, 7327.	1.6	50
6	A sequential roadmap to Industry 6.0: Exploring future manufacturing trends. IET Communications, 2022, 16, 521-531.	1.5	46
7	Performance Analysis of IoT and Long-Range Radio-Based Sensor Node and Gateway Architecture for Solid Waste Management. Sensors, 2021, 21, 2774.	2.1	38
8	Experimental analysis to extract maximum power from PV array reconfiguration under partial shading conditions. Engineering Science and Technology, an International Journal, 2019, 22, 109-130.	2.0	36
9	Application of iCloud and Wireless Sensor Network in Environmental Parameter Analysis. International Journal of Sensors, Wireless Communications and Control, 2018, 7, 170-177.	0.5	31
10	Imperative Role of Photovoltaic and Concentrating Solar Power Technologies towards Renewable Energy Generation. International Journal of Photoenergy, 2022, 2022, 1-13.	1.4	29
11	Design and Development of Air and Water Pollution Quality Monitoring Using IoT and Quadcopter. Advances in Intelligent Systems and Computing, 2018, , 485-492.	0.5	23
12	Internet of Things and Long-Range-Based Smart Lampposts for Illuminating Smart Cities. Sustainability, 2021, 13, 6398.	1.6	20
13	Role of Wireless Aided Technologies in the Solid Waste Management: A Comprehensive Review. Sustainability, 2021, 13, 13104.	1.6	20
14	Infrastructure, mobility and safety 4.0: Modernization in road transportation. Technology in Society, 2021, 67, 101791.	4.8	19
15	IoMT Based Facial Emotion Recognition System Using Deep Convolution Neural Networks. Electronics (Switzerland), 2021, 10, 1289.	1.8	15
16	LoRa Based Metrics Evaluation for Real-Time Landslide Monitoring on IoT Platform. IEEE Access, 2022, 10, 46392-46407.	2.6	15
17	Implementation and Evaluation of Heating System using PID with Genetic Algorithm. Indian Journal of Science and Technology, 2015, 8, 413.	0.5	14
18	Water Quality Monitoring and Management of Building Water Tank Using Industrial Internet of Things. Sustainability, 2021, 13, 8452.	1.6	12

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19	Zigbee and Long-Range Architecture Based Monitoring System for Oil Pipeline Monitoring with the Internet of Things. Sustainability, 2021, 13, 10226.	1.6	12
20	A Novel Intrusion Detection Approach Using Machine Learning Ensemble for IoT Environments. Applied Sciences (Switzerland), 2021, 11, 10268.	1.3	12
21	Imperative Role of Technology Intervention and Implementation for Automation in the Construction Industry. Advances in Civil Engineering, 2022, 2022, 1-19.	0.4	12
22	Blockchain Enabled Automatic Reward System in Solid Waste Management. Security and Communication Networks, 2021, 2021, 1-14.	1.0	11
23	A novel fog-computing-assisted architecture of E-healthcare system for pregnant women. Journal of Supercomputing, 2022, 78, 7591-7615.	2.4	11
24	Hybrid Spatiotemporal Contrastive Representation Learning for Content-Based Surgical Video Retrieval. Electronics (Switzerland), 2022, 11, 1353.	1.8	11
25	Hybrid Architecture Based System for the Establishment of Sustainable Environment in a Construction Site with 433 MHz LoRa and 2.4 GHz Zigbee. Sustainability, 2022, 14, 6280.	1.6	10
26	Realization of People Density and Smoke Flow in Buildings during Fire Accidents Using Raspberry and OpenCV. Sustainability, 2021, 13, 11082.	1.6	8
27	Industrial Hazard Prevention Using Raspberry Pi. Algorithms for Intelligent Systems, 2020, , 1487-1499.	0.5	7
28	Air quality and water quality monitoring using XBee and internet of things. International Journal of Engineering and Technology(UAE), 2018, 7, 24.	0.2	6
29	Modelling the performance and emissions of ethanol-gasoline blend on a gasoline engine using ANFIS. International Journal of Ambient Energy, 2022, 43, 3967-3980.	1.4	6
30	A Smart Building Automation System. International Journal of Smart Home, 2016, 10, 217-224.	0.6	6
31	Specific Soft Computing Strategies for Evaluating the Performance and Emissions of an SI Engine Using Alcohol-Gasoline Blended Fuels-A Comprehensive Analysis. Archives of Computational Methods in Engineering, 2021, 28, 3293-3306.	6.0	5
32	Landslides Detection in Prone Hilly Areas Using Raspberry Pi. Algorithms for Intelligent Systems, 2020, , 1461-1473.	0.5	5
33	Real-Time Facial Emotion Recognition Framework for Employees of Organizations Using Raspberry-Pi. Applied Sciences (Switzerland), 2021, 11, 10540.	1.3	5
34	Imperative Role of Automation and Wireless Technologies in Aquaponics Farming. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	0.8	5
35	Design and Development of a Cloud Assisted Robot. Communications in Computer and Information Science, 2018, , 419-429.	0.4	4
36	Automatic PV Grid Fault Detection System with IoT and LabVIEW as Data Logger. Computers, Materials and Continua, 2021, 69, 1709-1723.	1.5	4

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37	WPAN and IoT Enabled Automation to Authenticate Ignition of Vehicle in Perspective of Smart Cities. Sensors, 2021, 21, 7031.	2.1	4
38	Design and Implementation of Energy Efficient Home Automation System. Indian Journal of Science and Technology, 2016, 9, .	0.5	3
39	Development and Analysis of FSR and RFID Based Authentication System. Advances in Intelligent Systems and Computing, 2017, , 1145-1151.	0.5	3
40	An Approach to Inter-vehicle and Vehicle-to-Roadside Communication for Safety Measures. Advances in Intelligent Systems and Computing, 2018, , 1603-1610.	0.5	3
41	Water Management, Reminding Individual and Analysis of Water Quality Using IoT and Big Data Analysis. SSRN Electronic Journal, 0, , .	0.4	3
42	Algorithm to read various sensors to detect the hazardous parameters in industry. International Journal of Engineering and Technology(UAE), 2018, 7, 19.	0.2	3
43	Hybrid Architectural Network Implementation to Realize a Fire Evacuation Path with 2.4 GHz Zigbee and LoRa. Sustainability, 2021, 13, 13238.	1.6	3
44	Wireless Controlled Intelligent Heating System Using HPSO. Procedia Computer Science, 2015, 48, 600-605.	1.2	2
45	Wireless Personal Area Network and PSO-Based Home Security System. Advances in Intelligent Systems and Computing, 2016, , 251-261.	0.5	2
46	RSSI-Based Indoor Robot Localization System Using LabVIEW. Advances in Intelligent Systems and Computing, 2017, , 267-277.	0.5	2
47	An Approach to Monitor Construction Site Based on Radio Frequency Identification and Internet of Things. Advances in Intelligent Systems and Computing, 2018, , 1629-1639.	0.5	2
48	IOT and XBee triggered based adaptive intrusion detection using geophone and quick response by UAV. International Journal of Engineering and Technology(UAE), 2018, 7, 12.	0.2	2
49	A Study of E-Healthcare System for Pregnant Women. Communications in Computer and Information Science, 2020, , 545-556.	0.4	2
50	KlugOculus: A Vision-Based Intelligent Architecture for Security System. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	2
51	Design and Development of Low-Cost Wireless Parameter Monitoring System for Nuclear Power Plant. Advances in Intelligent Systems and Computing, 2017, , 569-580.	0.5	1
52	Microcontroller and FPGA-Based Analysis of 8×48 LED Matrix Display with Keyboard Interface. Advances in Intelligent Systems and Computing, 2017, , 887-894.	0.5	1
53	Design and Development of IoT-Based Transmission Line Monitoring System. Advances in Intelligent Systems and Computing, 2018, , 465-471.	0.5	1
54	Pollution Control by Installation of MQ-Smoke Sensors in Car Exhausts with IOT-Based Monitoring. Advances in Intelligent Systems and Computing, 2018, , 1191-1197.	0.5	1

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55	Arduino- and IoT-Based Tools and Inventory Tracking System in Construction Sites. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 1677-1686.	0.5	1
56	A Standalone Vision Device to Recognize Facial Landmarks and Smile in Real Time Using Raspberry Pi and Sensor. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 8, 4383-4388.	0.2	1
57	Smart Door Lock System for Elderly, Handicapped People Living Alone. <i>International Journal of Smart Home</i> , 2016, 10, 155-162.	0.6	1
58	Online Monitoring of Solar Panel Using V Curve and Internet of Things. <i>Lecture Notes in Networks and Systems</i> , 2020, , 225-234.	0.5	1
59	Taguchi Optimization of Fracture Toughness of Silicon Carbide Extracted from Agricultural Wastes. <i>Silicon</i> , 2022, 14, 8021-8029.	1.8	1
60	Design of Wearable Device for Muscle Fatigue Monitoring. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 973-978.	0.5	0
61	An Optimized Approach: Air Energy Trap System in Railways for Power Generation. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 959-964.	0.5	0
62	Fingerprint Acquisition Methodologies and Its Upgradation with IoT. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 513-525.	0.5	0
63	A Life-Saving Approach: Traffic Control System to Prioritize Ambulance on Road. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 647-652.	0.5	0
64	Save the Real Nectar: Water Distribution System in Multi-storied Apartments. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 653-659.	0.5	0
65	Embedded-Based Smart Solar Grid of 2-2 Monitoring System Using Smart Sensors. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 1777-1788.	0.5	0
66	Mobile robot for air quality monitoring of landfilling sites using Internet of Things. , 2021, , 311-325.		0
67	Internet of Robotic Things Based Robotic Platform for Smoke and Gas Detector in Automobile. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 8, 2812-2816.	0.2	0
68	A reliable approach to customizing linux kernel using custom build tool-chain for ARM architecture and application to agriculture. <i>International Journal of Electrical and Computer Engineering</i> , 2019, 9, 4920.	0.5	0
69	Predicting the Cumulative Number of Cases of the COVID-19 Epidemic in India from Early Data. <i>Natural Products Journal</i> , 2021, 11, 707-714.	0.1	0