

Gurjot Singh Gaba

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.

49
papers

407
citations

10
h-index

18
g-index

71
ext. papers

717
ext. citations

2.1
avg, IF

4.69
L-index

#	Paper	IF	Citations
49	Multimedia Concepts on Object Detection and Recognition with F1 Car Simulation Using Convolutional Layers. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-21	1.9	7
48	A Metaheuristic Approach to Secure Multimedia Big Data for IoT-Based Smart City Applications. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-10	1.9	4
47	Performance Analysis of WOFDM-WiMAX Integrating Diverse Wavelets for 5G Applications. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-14	1.9	4
46	A Novel Intrusion Detection Approach Using Machine Learning Ensemble for IoT Environments. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10268	2.6	1
45	Secure Device-to-Device communications for 5G enabled Internet of Things applications. <i>Computer Communications</i> , 2021 , 169, 114-128	5.1	17
44	Design of Multi-Information Fusion Based Intelligent Electrical Fire Detection System for Green Buildings. <i>Sustainability</i> , 2021 , 13, 3405	3.6	47
43	Urban Rain Flood Ecosystem Design Planning and Feasibility Study for the Enrichment of Smart Cities. <i>Sustainability</i> , 2021 , 13, 5205	3.6	10
42	An Exhaustive Research on the Application of Intrusion Detection Technology in Computer Network Security in Sensor Networks. <i>Journal of Sensors</i> , 2021 , 2021, 1-11	2	7
41	A robust and lightweight secure access scheme for cloud based E-healthcare services. <i>Peer-to-Peer Networking and Applications</i> , 2021 , 14, 1-15	3.1	14
40	A Detailed Research on Human Health Monitoring System Based on Internet of Things. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-9	1.9	8
39	A New Hybrid Deep Learning Algorithm for Prediction of Wide Traffic Congestion in Smart Cities. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-13	1.9	13
38	CROWD: Crow Search and Deep Learning based Feature Extractor for Classification of Parkinson Disease. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-18	3.8	4
37	Chest CT Findings and Differential Diagnosis of Pneumonia and Combined with Streptococcal Pneumonia in Children. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 8085530	3.7	9
36	Efficient and Robust Image Communication Techniques for 5G Applications in Smart Cities. <i>Energies</i> , 2021 , 14, 3986	3.1	1
35	3P-SAKE: Privacy-preserving and physically secured authenticated key establishment protocol for wireless industrial networks. <i>Computer Communications</i> , 2021 , 175, 82-90	5.1	6
34	Design and Analysis of High-Speed Free Space Optical (FSO) Communication System for Supporting Fifth Generation (5G) Data Services in Diverse Geographical Locations of India. <i>IEEE Photonics Journal</i> , 2021 , 1-1	1.8	5
33	Application of data mining technology in detecting network intrusion and security maintenance. <i>Journal of Intelligent Systems</i> , 2021 , 30, 664-676	1.5	1

32	An improved association rule mining algorithm for large data. <i>Journal of Intelligent Systems</i> , 2021 , 30, 750-762	1.5	4
31	Lightweight and Anonymity-Preserving User Authentication Scheme for IoT-based Healthcare. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	30
30	An empirical study on vulnerability assessment and penetration detection for highly sensitive networks. <i>Journal of Intelligent Systems</i> , 2021 , 30, 592-603	1.5	1
29	A Lightweight and Robust Secure Key Establishment Protocol for Internet of Medical Things in COVID-19 Patients Care. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	47
28	Nature-Inspired-Based Approach for Automated Cyberbullying Classification on Multimedia Social Networking. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-12	1.1	47
27	A Novel Hybrid Precoding-Companding Technique for Peak-to-Average Power Ratio Reduction in 5G and beyond. <i>Sensors</i> , 2021 , 21,	3.8	5
26	COVID-19: Role of Robotics, Artificial Intelligence, and Machine learning during pandemic. <i>Current Medical Imaging</i> , 2021 ,	1.2	10
25	Predicting the Risk of Depression Based on ECG Using RNN. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 1299870	3	5
24	Impact of peak to average power ratio reduction techniques on Generalized Frequency Division Multiplexing for 5th generation systems. <i>Computers and Electrical Engineering</i> , 2021 , 95, 107386	4.3	5
23	Fully Integrated High Gain S-Band Triangular Slot Antenna for CubeSat Communications. <i>Electronics (Switzerland)</i> , 2021 , 10, 156	2.6	2
22	Robust and Lightweight Mutual Authentication Scheme in Distributed Smart Environments. <i>IEEE Access</i> , 2020 , 8, 69722-69733	3.5	21
21	Impact of Hybrid PAPR Reduction Techniques on FBMC for 5G Applications. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 13, 1-10	0.4	1
20	Gain analysis of high-speed DWDM link with different optical amplification configurations. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 13, 1-8	0.4	
19	MAKE-IT-A Lightweight Mutual Authentication and Key Exchange Protocol for Industrial Internet of Things. <i>Sensors</i> , 2020 , 20,	3.8	14
18	. <i>IEEE Access</i> , 2020 , 8, 132808-132824	3.5	20
17	Performance Analysis and Enhancement of Free Space Optical Links for Developing State-of-the-Art Smart City Framework. <i>Photonics</i> , 2020 , 7, 132	2.2	6
16	Gain performance analysis of optical parametric amplifiers employing different modulation techniques. <i>Journal of Optics (India)</i> , 2019 , 48, 155-159	1.3	2
15	Low-Profile Patch Antenna with Parasitic Elements for CubeSat Applications. <i>Communications in Computer and Information Science</i> , 2019 , 116-127	0.3	1

14	Analysis and Optimization of a Very Compact MPA with Parasitic Elements for Inter-swarm of CubeSats Communications. <i>Communications in Computer and Information Science</i> , 2019 , 128-143	0.3	0
13	High Gain Miniaturized MPA with MSS for FemtoSat Communications. <i>Communications in Computer and Information Science</i> , 2019 , 357-369	0.3	
12	S-Band CPW-Fed Slot Antenna with 2D Metamaterials for CubeSat Communications. <i>Communications in Computer and Information Science</i> , 2019 , 344-356	0.3	1
11	Performance Improvement of MIMO-FBMC Systems Using Different Diversity Combining Schemes Through AWGN and Rayleigh Channels. <i>Communications in Computer and Information Science</i> , 2019 , 138-152	0.3	2
10	Performance Analysis of Receiver Diversity Incorporated WiMAX Systems. <i>Communications in Computer and Information Science</i> , 2019 , 270-281	0.3	
9	Preserving Authenticity and Integrity of Distributed Networks through Novel Message Authentication Code. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2018 , 12, 1297	1.6	2
8	Optimum design of a tri-band MPA with parasitic elements for CubeSat communications using Genetic Algorithm 2018 ,		3
7	High Gain Patch Antenna Array with Parasitic Elements for CubeSat Applications 2018 ,		3
6	I-LEACH Protocol for Wireless Sensor Networks. <i>International Journal of Multimedia and Ubiquitous Engineering</i> , 2016 , 11, 279-292	0	2
5	Multi-Dielectric & Multi-Band operations on RF MEMS. <i>Transactions on Electrical and Electronic Materials</i> , 2016 , 17, 86-91	1.7	1
4	An Ultra Wideband, Novel and Reliable RF MEMS Switch. <i>Transactions on Electrical and Electronic Materials</i> , 2016 , 17, 183-188	1.7	2
3	Design Aspects of a New Reliable Torsional Switch with Excellent RF Response. <i>Transactions on Electrical and Electronic Materials</i> , 2016 , 17, 7-12	1.7	
2	A Disparate Low Loss DC to 90 GHz Wideband Series Switch. <i>Transactions on Electrical and Electronic Materials</i> , 2016 , 17, 92-97	1.7	
1	A sequential roadmap to Industry 6.0: Exploring future manufacturing trends. <i>IET Communications</i> ,	1.3	9