

# Anand Nayyar

## 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.

211 papers	2,906 citations	27 h-index	45 g-index
242 ext. papers	4,329 ext. citations	2.1 avg, IF	6.64 L-index

#	Paper	IF	Citations
211	BHEEM: A Blockchain-Based Framework for Securing Electronic Health Records <b>2018</b> ,		120
210	COVID-19 cases prediction by using hybrid machine learning and beetle antennae search approach. <i>Sustainable Cities and Society</i> , <b>2021</b> , 66, 102669	10.1	117
209	Agriculture drones: A modern breakthrough in precision agriculture. <i>Journal of Statistics and Management Systems</i> , <b>2017</b> , 20, 507-518	0.9	115
208	Machine Learning from Theory to Algorithms: An Overview. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1142, 012012	0.3	105
207	Fog computing: from architecture to edge computing and big data processing. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 2070-2105	2.5	99
206	. <i>IEEE Access</i> , <b>2020</b> , 8, 118433-118471	3.5	67
205	Smart farming <b>2016</b> ,		63
204	Blockchain and Fog Based Architecture for Internet of Everything in Smart Cities. <i>Future Internet</i> , <b>2020</b> , 12, 61	3.3	60
203	SDN-based real-time urban traffic analysis in VANET environment. <i>Computer Communications</i> , <b>2020</b> , 149, 162-175	5.1	60
202	Smart traffic monitoring system using Unmanned Aerial Vehicles (UAVs). <i>Computer Communications</i> , <b>2020</b> , 157, 434-443	5.1	56
201	Green Internet of Things (G-IoT). <i>Advances in Data Mining and Database Management Book Series</i> , <b>2019</b> , 379-405	0.6	56
200	Virtual Reality (VR) & Augmented Reality (AR) technologies for tourism and hospitality industry. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 156	0.8	52
199	Improved Handwritten Digit Recognition Using Convolutional Neural Networks (CNN). <i>Sensors</i> , <b>2020</b> , 20,	3.8	51
198	Sarcasm Detection Using Soft Attention-Based Bidirectional Long Short-Term Memory Model With Convolution Network. <i>IEEE Access</i> , <b>2019</b> , 7, 23319-23328	3.5	50
197	An Overview of IoT Sensor Data Processing, Fusion, and Analysis Techniques. <i>Sensors</i> , <b>2020</b> , 20,	3.8	49
196	Internet of Robotic Things: Driving Intelligent Robotics of Future - Concept, Architecture, Applications and Technologies <b>2018</b> ,		47
195	Advancing Modern Healthcare With Nanotechnology, Nanobiosensors, and Internet of Nano Things: Taxonomies, Applications, Architecture, and Challenges. <i>IEEE Access</i> , <b>2020</b> , 8, 65230-65266	3.5	43

194	Flying Adhoc Network (FANETs): Simulation Based Performance Comparison of Routing Protocols: AODV, DSDV, DSR, OLSR, AOMDV and HWMP <b>2018</b> ,		41
193	. <i>IEEE Access</i> , <b>2021</b> , 9, 14867-14882	3.5	39
192	APD-JFAD: Accurate Prevention and Detection of Jelly Fish Attack in MANET. <i>IEEE Access</i> , <b>2018</b> , 6, 56954-56965	3.5	39
191	WBAN: Driving e-healthcare Beyond Telemedicine to Remote Health Monitoring <b>2019</b> , 89-119		34
190	Brain-Computer Interface-Based Humanoid Control: A Review. <i>Sensors</i> , <b>2020</b> , 20,	3.8	31
189	Movie Recommender System Using K-Means Clustering AND K-Nearest Neighbor <b>2019</b> ,		31
188	BioSenHealth 1.0: A Novel Internet of Medical Things (IoMT)-Based Patient Health Monitoring System. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 155-164	0.5	31
187	Introduction to Swarm Intelligence <b>2018</b> , 53-78		30
186	Innovative Ideas to Manage Urban Traffic Congestion in Cognitive Cities. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , <b>2019</b> , 139-162	0.3	30
185	The Internet of Drone Things (IoDT): Future Envision of Smart Drones. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 563-580	0.4	28
184	Rumour veracity detection on twitter using particle swarm optimized shallow classifiers. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 24083-24101	2.5	27
183	A Novel Deep-Learning-Based Bug Severity Classification Technique Using Convolutional Neural Networks and Random Forest with Boosting. <i>Sensors</i> , <b>2019</b> , 19,	3.8	26
182	Authentication Protocol for Cloud Databases Using Blockchain Mechanism. <i>Sensors</i> , <b>2019</b> , 19,	3.8	26
181	BLOCKCHAIN <b>2020</b> , 25-42		26
180	Emerging use of UAVs: secure communication protocol issues and challenges <b>2020</b> , 37-55		25
179	An assessment of forerunners for customer loyalty in the selected financial sector by SEM approach toward their effect on business. <i>Data Technologies and Applications</i> , <b>2019</b> , 53, 546-561	1.6	25
178	Proficient QoS-Based Target Coverage Problem in Wireless Sensor Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 74315-74325	3.5	25
177	Home energy management system (HEMS): concept, architecture, infrastructure, challenges and energy management schemes. <i>Energy Systems</i> , <b>2019</b> , 1	1.7	24

176	Research on Auto-Scaling of Web Applications in Cloud: Survey, Trends and Future Directions. <i>Scalable Computing</i> , <b>2019</b> , 20, 399-432	2.4	22
175	si3-Industry: A Sustainable, Intelligent, Innovative, Internet-of-Things Industry. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 1-21	0.3	22
174	Blockchain-based efficient communication for food supply chain industry: Transparency and traceability analysis for sustainable business. <i>International Journal of Communication Systems</i> , <b>2021</b> , 34, e4696	1.7	22
173	A Novel Simulated-Annealing Based Electric Bus System Design, Simulation, and Analysis for Dehradun Smart City. <i>IEEE Access</i> , <b>2020</b> , 8, 89395-89424	3.5	21
172	Effect of Consumer Green Behavior Perspective on Green Unwavering Across Various Retail Configurations. <i>Advances in Marketing, Customer Relationship Management, and E-services Book Series</i> , <b>2020</b> , 96-124	0.3	21
171	T2FL-PSO: Type-2 Fuzzy Logic-Based Particle Swarm Optimization Algorithm Used to Maximize the Lifetime of Internet of Things. <i>IEEE Access</i> , <b>2021</b> , 9, 63966-63979	3.5	21
170	Spider Monkey Crow Optimization Algorithm With Deep Learning for Sentiment Classification and Information Retrieval. <i>IEEE Access</i> , <b>2021</b> , 9, 24249-24262	3.5	21
169	Security and Privacy in Remote Healthcare <b>2019</b> , 201-225		19
168	Convolutional neural network based early fire detection. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 9083-9099	2.5	19
167	Supervised link prediction using structured-based feature extraction in social network. <i>Concurrency Computation Practice and Experience</i> , <b>2020</b> , e5839	1.4	18
166	Dynamic Task Scheduling using Balanced VM Allocation Policy for Fog Computing Platforms. <i>Scalable Computing</i> , <b>2019</b> , 20, 433-456	2.4	18
165	NLFFT: A Novel Fault Tolerance Model Using Artificial Intelligence to Improve Performance in Wireless Sensor Networks. <i>IEEE Access</i> , <b>2020</b> , 8, 149231-149254	3.5	18
164	An efficient anonymous authentication and confidentiality preservation schemes for secure communications in wireless body area networks. <i>Wireless Networks</i> , <b>2021</b> , 27, 2119-2130	2.5	18
163	Rooted Tree Optimization for the Backstepping Power Control of a Doubly Fed Induction Generator Wind Turbine: dSPACE Implementation. <i>IEEE Access</i> , <b>2021</b> , 9, 26512-26522	3.5	18
162	Data Placement in Era of Cloud Computing: a Survey, Taxonomy and Open Research Issues. <i>Scalable Computing</i> , <b>2019</b> , 20, 377-398	2.4	17
161	IoT-based green city architecture using secured and sustainable android services. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 20, 101091	7	17
160	IEEMARP- a novel energy efficient multipath routing protocol based on ant Colony optimization (ACO) for dynamic sensor networks. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 35221-35252	2.5	17
159	Facial Emotion Detection to Assess Learner's State of Mind in an Online Learning System <b>2020</b> ,		16

158	Cyber Security Challenges for Smart Cities. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , <b>2019</b> , 27-54	0.3	16
157	Towards Pattern-Based Change Verification Framework for Cloud-Enabled Healthcare Component-Based. <i>IEEE Access</i> , <b>2020</b> , 8, 148007-148020	3.5	16
156	Smart Surveillance Robot for Real-Time Monitoring and Control System in Environment and Industrial Applications. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 229-243	0.4	15
155	Comprehensive Analysis of Routing Protocols Surrounding Underwater Sensor Networks (UWSNs). <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 435-450	0.4	15
154	An Optimization Model for Software Quality Prediction With Case Study Analysis Using MATLAB. <i>IEEE Access</i> , <b>2019</b> , 7, 85123-85138	3.5	15
153	A New Model for Predicting Component-Based Software Reliability Using Soft Computing. <i>IEEE Access</i> , <b>2019</b> , 7, 147191-147203	3.5	15
152	A Comprehensive Review of Ant Colony Optimization (ACO) based Energy-Efficient Routing Protocols for Wireless Sensor Networks. <i>International Journal of Wireless Networks and Broadband Technologies</i> , <b>2014</b> , 3, 33-55	0.2	15
151	Ant Colony Optimization (ACO) based Routing Protocols for Wireless Sensor Networks (WSN): A Survey. <i>International Journal of Advanced Computer Science and Applications</i> , <b>2017</b> , 8,	1.7	15
150	Arrhenius Artificial Bee Colony Algorithm. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 187-195	0.5	15
149	Multimedia Social Big Data: Mining. <i>Intelligent Systems Reference Library</i> , <b>2020</b> , 289-321	0.8	15
148	Efficiency analysis for stochastic dynamic facility layout problem using meta-heuristic, data envelopment analysis and machine learning. <i>Computational Intelligence</i> , <b>2020</b> , 36, 172-202	2.5	14
147	Predicting Employee Attrition using XGBoost Machine Learning Approach <b>2018</b> ,		14
146	BOLD: Bio-Inspired Optimized Leader Election for Multiple Drones. <i>Sensors</i> , <b>2020</b> , 20,	3.8	13
145	Performance Analysis of ACO Based Routing Protocols- EMCBR, AntChain, IACR, ACO-EAMRA for Wireless Sensor Networks (WSNs). <i>British Journal of Mathematics &amp; Computer Science</i> , <b>2017</b> , 20, 1-18		13
144	A novel heuristic simulation-optimization method for critical infrastructure in smart transportation systems. <i>International Journal of Communication Systems</i> , <b>2020</b> , 33, e4397	1.7	12
143	A Critical Analysis of Methodologies for Detection and Classification of Power Quality Events in Smart Grid. <i>IEEE Access</i> , <b>2021</b> , 9, 83507-83534	3.5	12
142	Low Area PRESENT Cryptography in FPGA Using TRNG-PRNG Key Generation. <i>Computers, Materials and Continua</i> , <b>2021</b> , 68, 1447-1465	3.9	12
141	Data Consumption-Aware Load Forecasting Scheme for Smart Grid Systems <b>2018</b> ,		12

140	Lightweight Proof of Game (LPoG): A Proof of Work (PoW)'s Extended Lightweight Consensus Algorithm for Wearable Kidneys. <i>Sensors</i> , <b>2020</b> , 20,	3.8	11
139	A Modified Step-Up Converter with Small Signal Analysis-Based Controller for Renewable Resource Applications. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 102	2.6	11
138	CT-RPL: Cluster Tree Based Routing Protocol to Maximize the Lifetime of Internet of Things. <i>Sensors</i> , <b>2020</b> , 20,	3.8	11
137	Analysis of Simulation Tools for Underwater Sensor Networks (UWSNs). <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 165-180	0.5	11
136	Metamaterial based photonic structure: An alternate high performance antireflection coating for solar cell. <i>Optik</i> , <b>2019</b> , 179, 740-743	2.5	11
135	A novel Software-Defined Drone Network (SDDN)-based collision avoidance strategies for on-road traffic monitoring and management. <i>Vehicular Communications</i> , <b>2021</b> , 28, 100313	5.7	11
134	Distributed Big Data Analytics in the Internet of Signals <b>2018</b> ,		11
133	Enhancement of Security and Handling the Inconspicuousness in IoT Using a Simple Size Extensible Blockchain. <i>Energies</i> , <b>2020</b> , 13, 1795	3.1	10
132	A Review of Beaglebone Smart Board's-A Linux/Android Powered Low Cost Development Platform Based on ARM Technology <b>2015</b> ,		10
131	Smart COVID-shield: an IoT driven reliable and automated prototype model for COVID-19 symptoms tracking. <i>Computing (Vienna/New York)</i> , 1	2.2	10
130	An Encyclopedia Coverage of Compiler, Programmer & Simulator for 8051, PIC, AVR, ARM, Arduino Embedded Technologies. <i>International Journal of Reconfigurable and Embedded Systems (IJRES)</i> , <b>2016</b> , 5, 18	0.7	10
129	Internet of Things (IoT) and the Digital Business Environment: A Standpoint Inclusive Cyber Space, Cyber Crimes, and Cybersecurity <b>2020</b> , 111-152		10
128	Robot Path Planning Using Modified Artificial Bee Colony Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 25-36	0.4	10
127	Chaotic-map based authenticated security framework with privacy preservation for remote point-of-care. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 80, 1-26	2.5	10
126	A Comprehensive Review of BeagleBone Technology: Smart Board Powered by ARM. <i>International Journal of Smart Home</i> , <b>2016</b> , 10, 95-108	0	9
125	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 5329-5340	6.1	9
124	Blended Learning Tools and Practices: A Comprehensive Analysis. <i>IEEE Access</i> , <b>2021</b> , 9, 85151-85197	3.5	9
123	System Performance of Wireless Sensor Network Using LoRa Zigbee Hybrid Communication. <i>Computers, Materials and Continua</i> , <b>2021</b> , 68, 1615-1635	3.9	9

122	Smart-IoUT 1.0: A Smart Aquatic Monitoring Network Based on Internet of Underwater Things (IoUT). <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2019</b> , 191-207	0.2	8
121	A Comprehensive Review of Semiconductor-Type Gas Sensors for Environmental Monitoring. <i>Review of Computer Engineering Research</i> , <b>2016</b> , 3, 55-64	1	8
120	Green and Smart Buildings. <i>Advances in Civil and Industrial Engineering Book Series</i> , <b>2020</b> , 146-163	0.5	8
119	Adoption of Fog Computing in Healthcare 4.0. <i>Signals and Communication Technology</i> , <b>2021</b> , 3-36	0.5	8
118	Pneumonia Detection Using Convolutional Neural Networks (CNNs). <i>Lecture Notes in Networks and Systems</i> , <b>2020</b> , 471-483	0.5	8
117	A remix IDE: smart contract-based framework for the healthcare sector by using Blockchain technology. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 1	2.5	8
116	Duplicate Bug Report Detection and Classification System Based on Deep Learning Technique. <i>IEEE Access</i> , <b>2020</b> , 8, 200749-200763	3.5	8
115	Secure crowd-sensing protocol for fog-based vehicular cloud. <i>Future Generation Computer Systems</i> , <b>2021</b> , 120, 61-75	7.5	8
114	FDTD approach to photonic based angular waveguide for wide range of sensing application. <i>Optik</i> , <b>2019</b> , 176, 56-59	2.5	8
113	Stock Prediction Based on Technical Indicators Using Deep Learning Model. <i>Computers, Materials and Continua</i> , <b>2022</b> , 70, 287-304	3.9	8
112	Soft-computing-based false alarm reduction for hierarchical data of intrusion detection system. <i>International Journal of Distributed Sensor Networks</i> , <b>2019</b> , 15, 155014771988313	1.7	7
111	Multilingual Opinion Mining Movie Recommendation System Using RNN. <i>Lecture Notes in Networks and Systems</i> , <b>2020</b> , 589-605	0.5	7
110	Simulation-Based Performance Analysis of Location-Based Opportunistic Routing Protocols in Underwater Sensor Networks Having Communication Voids. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 697-711	0.4	7
109	Artificial Bee Colony OptimizationPopulation-Based Meta-Heuristic Swarm Intelligence Technique. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 513-525	0.4	7
108	A Comprehensive Survey on Ransomware Attack: A Growing Havoc Cyberthreat. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 403-420	0.4	7
107	Comparative study with practical validation of photovoltaic monocrystalline module for single and double diode models. <i>Scientific Reports</i> , <b>2021</b> , 11, 19153	4.9	7
106	A novel defense mechanism via Genetic Algorithm for counterfeiting and combating Jelly Fish attack in Mobile Ad-Hoc Networks <b>2014</b> ,		6
105	Hyperbolic Spider Monkey Optimization Algorithm. <i>Recent Advances in Computer Science and Communications</i> , <b>2020</b> , 13, 35-42	0.6	6



104	Human Age Classification System Using K-NN Classifier. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 294-311	0.3	6
103	Fog Computing: Building a Road to IoT with Fog Analytics. <i>Studies in Big Data</i> , <b>2020</b> , 59-78	0.9	6
102	Leveraging energy-efficient load balancing algorithms in fog computing. <i>Concurrency Computation Practice and Experience</i> , <b>2020</b> , e5913	1.4	6
101	Modified Cascade Controller Design for Unstable Processes With Large Dead Time. <i>IEEE Access</i> , <b>2020</b> , 8, 157022-157036	3.5	6
100	DL-CNN-based approach with image processing techniques for diagnosis of retinal diseases. <i>Multimedia Systems</i> , 1	2.2	6
99	Firefly Swarm: Metaheuristic Swarm Intelligence Technique for Mathematical Optimization. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 457-466	0.4	6
98	L-shape Si-waveguide for THz-communication. <i>Optik</i> , <b>2019</b> , 178, 509-512	2.5	6
97	A Review of De-Facto MAC Standard: IEEE 802.11 DCF <b>2014</b> ,		5
96	A Comprehensive Analysis of Goods and Services Tax (GST) in India. <i>Indian Journal of Finance</i> , <b>2018</b> , 12, 57	1.1	5
95	Data Glove: Internet of Things (IoT) Based Smart Wearable Gadget. <i>British Journal of Mathematics &amp; Computer Science</i> , <b>2016</b> , 15, 1-12		5
94	A Comprehensive Overview of Fog Data Processing and Analytics for Healthcare 4.0. <i>Signals and Communication Technology</i> , <b>2021</b> , 103-129	0.5	5
93	A Three-Step Authentication Model for Mobile Phone User Using Keystroke Dynamics. <i>IEEE Access</i> , <b>2020</b> , 8, 125909-125922	3.5	5
92	Augmenting Dental Care: A Current Perspective <b>2018</b> , 51-67		5
91	MADCR: Mobility aware dynamic clustering-based routing protocol in Internet of Vehicles. <i>China Communications</i> , <b>2021</b> , 18, 69-85	3	5
90	Prediction of optical specifications through ANN model to design a monochromatic optical filter for all three optical windows. <i>Optik</i> , <b>2019</b> , 198, 163314	2.5	4
89	Logarithmic Spiral Based Local Search in Artificial Bee Colony Algorithm. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2019</b> , 15-27	0.2	4
88	Simulation Based Evaluation of Reactive Routing Protocol for MANET <b>2012</b> ,		4
87	Simulation of Jelly Fish Periodic Attack in Mobile Ad hoc Networks. <i>International Journal of Computer Trends and Technology</i> , <b>2014</b> , 15, 20-22	1.3	4



86	A novel homomorphic RASD framework for secured data access and storage in cloud computing. <i>Open Computer Science</i> , <b>2020</b> , 10, 431-443	1.5	4
85	Effect of Multiple-Agent Deployment in MANET. <i>Recent Patents on Computer Science</i> , <b>2019</b> , 12, 180-190	1	4
84	Design and Implementation of Improved Three Port Converter and B4-Inverter Fed Brushless Direct Current Motor Drive System for Industrial Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 149093-149112	3.5	4
83	An efficient post-processing adaptive filtering technique to rectifying the flickering effects. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250959	3.7	4
82	IoT-IIRS: Internet of Things based intelligent-irrigation recommendation system using machine learning approach for efficient water usage. <i>PeerJ Computer Science</i> , <b>2021</b> , 7, e578	2.7	4
81	Generation of ultra violet signal from visible light using photonic crystal fiber: A realization of PCF based UV torch. <i>Optik</i> , <b>2019</b> , 180, 913-916	2.5	4
80	Game theoretical approach for load balancing using SGMLB model in cloud environment. <i>PLoS ONE</i> , <b>2020</b> , 15, e0231708	3.7	4
79	Wireless Power Transfer Under Secure Communication with Multiple Antennas and Eavesdroppers. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2019</b> , 208-220	0.2	3
78	Advances in Swarm Intelligence and Machine Learning for Optimizing Problems in Image Processing and Data Analytics (Part 1). <i>Recent Patents on Computer Science</i> , <b>2019</b> , 12, 248-249	1	3
77	Robust Multimedia Watermarking. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , <b>2020</b> , 73-89	0.3	3
76	Multi-sensor information fusion for efficient smart transport vehicle tracking and positioning based on deep learning technique. <i>Journal of Supercomputing</i> , 1	2.5	3
75	Swarm Intelligence and Evolutionary Algorithms in Disease Diagnosis Introductory Aspects <b>2019</b> , 1-18		3
74	Predicting and Interpreting Student Performance Using Ensemble Models and Shapley Additive Explanations. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	3
73	Factex: A Practical Approach to Crime Detection. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 503-516	0.4	3
72	. <i>IEEE Access</i> , <b>2020</b> , 8, 179167-179188	3.5	3
71	<b>2020</b> ,		3
70	Elliptic Curve Signcryption-Based Mutual Authentication Protocol for Smart Cards. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8291	2.6	3
69	Defending Jellyfish Attack in Mobile Ad hoc Networks via Novel Fuzzy System Rule. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 437-455	0.4	3

68	LOA-RPL: Novel Energy-Efficient Routing Protocol for the Internet of Things Using Lion Optimization Algorithm to Maximize Network Lifetime. <i>Computers, Materials and Continua</i> , <b>2021</b> , 69, 351-371	3.9	3
67	A novel air quality monitoring and improvement system based on wireless sensor and actuator networks using LoRa communication. <i>PeerJ Computer Science</i> , <b>2021</b> , 7, e711	2.7	3
66	A deep learning approach to intelligent fruit identification and family classification. <i>Multimedia Tools and Applications</i> , 1	2.5	3
65	IEEMARP: Improved Energy Efficient Multipath Ant Colony Optimization (ACO) Routing Protocol for Wireless Sensor Networks. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 3-24	0.3	2
64	Photovoltaic Thermal Collectors Integrated with Phase Change Materials: A Comprehensive Analysis. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 337	2.6	2
63	Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization <b>2020</b> ,		2
62	Modified grasshopper optimisation algorithm <b>2020</b> ,		2
61	Swarm Intelligence and Evolutionary Algorithms for Cancer Diagnosis <b>2019</b> , 19-44		2
60	Demand-Supply Based Economic Model for Resource Provisioning in Industrial IoT Traffic. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	2
59	Empirical Study of Soft Clustering Technique for Determining Click Through Rate in Online Advertising. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 3-13	0.4	2
58	Effective Classification and Handling of Incoming Data Packets in Mobile Ad Hoc Networks (MANETs) Using Random Forest Ensemble Technique (RF/ET). <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 431-444	0.4	2
57	A Comprehensive Study of IoT Security Risks in Building a Secure Smart City <b>2021</b> , 401-448		2
56	Role of Smart Buildings in Smart City Components, Technology, Indicators, Challenges, Future Research Opportunities <b>2021</b> , 449-476		2
55	EnsemV3X: a novel ensembled deep learning architecture for multi-label scene classification. <i>PeerJ Computer Science</i> , <b>2021</b> , 7, e557	2.7	2
54	Realization of absorber, reflector and transmitter using single photonic structure. <i>Optik</i> , <b>2019</b> , 180, 962-966	2.6	2
53	Hybrid Spectrum Access Strategy for Throughput Enhancement of Cognitive Radio Network. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 105-122	0.5	2
52	Optimization of the CNN Model for Hand Sign Language Recognition Using Adam Optimization Technique. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 89-104	0.5	2
51	Comprehensive Analysis of Routing Protocols for Cognitive Radio Ad-hoc Networks (CRAHNs) <b>2018</b> ,		2

50	MUD-based Behavioral Profiling Security Framework for Software-defined IoT Networks. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	2
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