

Anand Nayyar

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.

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	Enhancement of the Evaporation and Condensation Processes of a Solar Still with an Ultrasound Cotton Tent and a Thermoelectric Cooling Chamber. <i>Electronics (Switzerland)</i> , 2022 , 11, 284	2.6	1
210	Photovoltaic Thermal Collectors Integrated with Phase Change Materials: A Comprehensive Analysis. <i>Electronics (Switzerland)</i> , 2022 , 11, 337	2.6	2
209	Novel Designs of Smart Healthcare Systems: Technologies, Architecture, and Applications 2022 , 125-151		
208	Improved Genetic Algorithm Using Machine Learning Approaches to Feature Modelled for Microarray Gene Data. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 859-872	0.4	1
207	Dispersion Engineered AsSe ₂ Based Chalcogenide Photonic Crystal Fiber for MIR Region Supercontinuum Generation. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 311-319	0.2	0
206	Cyber Security Challenges for Smart Cities 2022 , 1459-1480		
205	Stock Prediction Based on Technical Indicators Using Deep Learning Model. <i>Computers, Materials and Continua</i> , 2022 , 70, 287-304	3.9	8
204	The Role of Machine Learning and Artificial Intelligence in Clinical Decisions and the Herbal Formulations Against COVID-19. <i>International Journal of Reliable and Quality E-Healthcare</i> , 2022 , 11, 1-17	0.4	1
203	Improved seam carving for structure preservation using efficient energy function. <i>Multimedia Tools and Applications</i> , 2022 , 81, 12883	2.5	0
202	Vision Navigator: A Smart and Intelligent Obstacle Recognition Model for Visually Impaired Users. <i>Mobile Information Systems</i> , 2022 , 2022, 1-15	1.4	2
201	Optimal emplacement of sensors by orbit-electron theory in wireless sensor networks. <i>Wireless Networks</i> , 2022 , 28, 1605-1623	2.5	1
200	Improvise approach for respiratory pathologies classification with multilayer convolutional neural networks.. <i>Multimedia Tools and Applications</i> , 2022 , 1-21	2.5	0
199	A Hybrid Filter/Wrapper Machine Learning Model for Classification Cancer Dataset. <i>Communications in Computer and Information Science</i> , 2022 , 15-29	0.3	
198	Performance Analysis of RF Energy Harvesting NOMA Mobile Edge Computing in Multiple Devices IIoT Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022 , 62-76	0.2	
197	Improved Feature Selection Method for the Identification of Soil Images Using Oscillating Spider Monkey Optimization. <i>IEEE Access</i> , 2021 , 9, 167128-167139	3.5	
196	Automatic Segmentation and Classification of Brain Tumor from MR Images Using DWT-RBFNN. <i>Studies in Big Data</i> , 2021 , 215-243	0.9	1
195	Operating of Gasoline Engine Using Naphtha and Octane Boosters from Waste as Fuel Additives. <i>Sustainability</i> , 2021 , 13, 13019	3.6	1

194	Tightly Coupling Fusion of UWB Ranging and IMU Pedestrian Dead Reckoning for Indoor Localization. <i>IEEE Access</i> , 2021 , 9, 164206-164222	3.5	0
193	Demand-Supply Based Economic Model for Resource Provisioning in Industrial IoT Traffic. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
192	Fusion of Deep Learning and Image Processing Techniques for Breast Cancer Diagnosis. <i>Studies in Computational Intelligence</i> , 2021 , 1-25	0.8	1
191	Predicting and Interpreting Student Performance Using Ensemble Models and Shapley Additive Explanations. <i>IEEE Access</i> , 2021 , 1-1	3.5	3
190	Adoption of Fog Computing in Healthcare 4.0. <i>Signals and Communication Technology</i> , 2021 , 3-36	0.5	8
189	A Comprehensive Overview of Fog Data Processing and Analytics for Healthcare 4.0. <i>Signals and Communication Technology</i> , 2021 , 103-129	0.5	5
188	COVID-19 cases prediction by using hybrid machine learning and beetle antennae search approach. <i>Sustainable Cities and Society</i> , 2021 , 66, 102669	10.1	117
187	An Era of Internet of Things Leads to Smart Cities Initiatives Towards Urbanization 2021 , 319-350	0	
186	Sustainable E-Infrastructure for Blockchain-Based Voting System 2021 , 221-251	0	
185	Sustainable Infrastructure Theories and Models 2021 , 97-126	0	
184	The Use of Machine Learning for Sustainable and Resilient Buildings 2021 , 1-62	1	
183	Blockchain for Sustainable Smart Cities 2021 , 127-161		
182	Contextualizing Electronic Governance, Smart City Governance and Sustainable Infrastructure in India: A Study and Framework 2021 , 163-191	0	
181	A Comprehensive Study of IoT Security Risks in Building a Secure Smart City 2021 , 401-448	2	
180	Fire Hazard Detection and Prediction by Machine Learning Techniques in Smart Buildings (SBs) Using Sensors and Unmanned Aerial Vehicles (UAVs) 2021 , 63-95	0	
179	Trip-I-Plan: A Mobile Application for Task Scheduling in Smart City's Sustainable Infrastructure 2021 , 351-377	1	
178	Revolutionizing Geriatric Design in Developing Countries: IoT-Enabled Smart Home Design for the Elderly 2021 , 193-219		
177	Role of Smart Buildings in Smart City Components, Technology, Indicators, Challenges, Future Research Opportunities 2021 , 449-476	2	

176	Impact of IoT-Enabled Smart Cities: A Systematic Review and Challenges 2021 , 253-292		1
175	Smart Health Monitoring for Elderly Care in Indoor Environments 2021 , 379-399		
174	Indoor Air Quality (IAQ) in Green Buildings, a Pre-Requisite to Human Health and Well-Being 2021 , 293-317		
173	An efficient post-processing adaptive filtering technique to rectifying the flickering effects. <i>PLoS ONE</i> , 2021 , 16, e0250959	3.7	4
172	Location-proximity-based clustering method for peer-to-peer multimedia streaming services with multiple sources. <i>Multimedia Tools and Applications</i> , 2021 , 1-40	2.5	
171	EnsemV3X: a novel ensembled deep learning architecture for multi-label scene classification. <i>PeerJ Computer Science</i> , 2021 , 7, e557	2.7	2
170	IoT-IIRS: Internet of Things based intelligent-irrigation recommendation system using machine learning approach for efficient water usage. <i>PeerJ Computer Science</i> , 2021 , 7, e578	2.7	4
169	Design and Implementation of Low Energy Wireless Network Nodes Based on Hardware Compression Acceleration. <i>Recent Advances in Computer Science and Communications</i> , 2021 , 14, 830-836	0.6	
168	A comprehensive analysis and prediction of earthquake magnitude based on position and depth parameters using machine and deep learning models. <i>Multimedia Tools and Applications</i> , 2021 , 80, 28419-28438	2.5	9
167	Secure crowd-sensing protocol for fog-based vehicular cloud. <i>Future Generation Computer Systems</i> , 2021 , 120, 61-75	7.5	8
166	TINB: a topical interaction network builder from WWW. <i>Wireless Networks</i> , 2021 , 27, 589-608	2.5	
165	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 5329-5340	6.1	9
164	A novel Software-Defined Drone Network (SDDN)-based collision avoidance strategies for on-road traffic monitoring and management. <i>Vehicular Communications</i> , 2021 , 28, 100313	5.7	11
163	Blockchain-based efficient communication for food supply chain industry: Transparency and traceability analysis for sustainable business. <i>International Journal of Communication Systems</i> , 2021 , 34, e4696	1.7	22
162	A Decision Support Benchmark for Forecasting the Consumption of Agriculture Stocks. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 1-1	3.2	1
161	Hybrid Spectrum Access Strategy for Throughput Enhancement of Cognitive Radio Network. <i>Lecture Notes in Networks and Systems</i> , 2021 , 105-122	0.5	2
160	Transfer Learning to Improve Breast Cancer Detection on Unannotated Screening Mammography. <i>Communications in Computer and Information Science</i> , 2021 , 563-576	0.3	1
159	A Critical Analysis of Methodologies for Detection and Classification of Power Quality Events in Smart Grid. <i>IEEE Access</i> , 2021 , 9, 83507-83534	3.5	12

158	Low Area PRESENT Cryptography in FPGA Using TRNG-PRNG Key Generation. <i>Computers, Materials and Continua</i> , 2021 , 68, 1447-1465	3.9	12
157	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> , 2021 , 69, 351-371	3.9	3
156	Blended Learning Tools and Practices: A Comprehensive Analysis. <i>IEEE Access</i> , 2021 , 9, 85151-85197	3.5	9
155	. <i>IEEE Access</i> , 2021 , 9, 14867-14882	3.5	39
154	Smart PDM: A Novel Smart Meter for Design Measurement and Data Collection for Smart Grid. <i>Communications in Computer and Information Science</i> , 2021 , 37-58	0.3	
153	Role of Fuzzy Approach towards Fault Detection for Distributed Components. <i>Computers, Materials and Continua</i> , 2021 , 67, 1979-1996	3.9	1
152	Optimization of the CNN Model for Hand Sign Language Recognition Using Adam Optimization Technique. <i>Lecture Notes in Networks and Systems</i> , 2021 , 89-104	0.5	2
151	Adaptive Flower Pollination Algorithm-Based Energy Efficient Routing Protocol for Multi-Robot Systems. <i>IEEE Access</i> , 2021 , 9, 82417-82434	3.5	1
150	An efficient anonymous authentication and confidentiality preservation schemes for secure communications in wireless body area networks. <i>Wireless Networks</i> , 2021 , 27, 2119-2130	2.5	18
149	MADCR: Mobility aware dynamic clustering-based routing protocol in Internet of Vehicles. <i>China Communications</i> , 2021 , 18, 69-85	3	5
148	Comparative study with practical validation of photovoltaic monocrystalline module for single and double diode models. <i>Scientific Reports</i> , 2021 , 11, 19153	4.9	7
147	A novel air quality monitoring and improvement system based on wireless sensor and actuator networks using LoRa communication. <i>PeerJ Computer Science</i> , 2021 , 7, e711	2.7	3
146	T2FL-PSO: Type-2 Fuzzy Logic-Based Particle Swarm Optimization Algorithm Used to Maximize the Lifetime of Internet of Things. <i>IEEE Access</i> , 2021 , 9, 63966-63979	3.5	21
145	MUD-based Behavioral Profiling Security Framework for Software-defined IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
144	System Performance of Wireless Sensor Network Using LoRaZigbee Hybrid Communication. <i>Computers, Materials and Continua</i> , 2021 , 68, 1615-1635	3.9	9
143	Rooted Tree Optimization for the Backstepping Power Control of a Doubly Fed Induction Generator Wind Turbine: dSPACE Implementation. <i>IEEE Access</i> , 2021 , 9, 26512-26522	3.5	18
142	Evaluation of Geotagging Twitter Data Using Sentiment Analysis During COVID-19. <i>Lecture Notes in Networks and Systems</i> , 2021 , 601-608	0.5	1
141	Speech Emotion Recognition Through Extraction of Various Emotional Features Using Machine and Deep Learning Classifiers. <i>Lecture Notes in Networks and Systems</i> , 2021 , 123-140	0.5	0

140	Systematic Review of Dynamic Multi-Object Identification and Localization: Techniques and Technologies. <i>IEEE Access</i> , 2021 , 9, 122924-122950	3.5	2
139	Spider Monkey Crow Optimization Algorithm With Deep Learning for Sentiment Classification and Information Retrieval. <i>IEEE Access</i> , 2021 , 9, 24249-24262	3.5	21
138	An Overview of IoT Sensor Data Processing, Fusion, and Analysis Techniques. <i>Sensors</i> , 2020 , 20,	3.8	49
137	A novel heuristic simulation-optimization method for critical infrastructure in smart transportation systems. <i>International Journal of Communication Systems</i> , 2020 , 33, e4397	1.7	12
136	Emerging use of UAVs: secure communication protocol issues and challenges 2020 , 37-55		25
135	Improved Handwritten Digit Recognition Using Convolutional Neural Networks (CNN). <i>Sensors</i> , 2020 , 20,	3.8	51
134	BOLD: Bio-Inspired Optimized Leader Election for Multiple Drones. <i>Sensors</i> , 2020 , 20,	3.8	13
133	Brain-Computer Interface-Based Humanoid Control: A Review. <i>Sensors</i> , 2020 , 20,	3.8	31
132	. <i>IEEE Access</i> , 2020 , 8, 118433-118471	3.5	67
131	Supervised link prediction using structured-based feature extraction in social network. <i>Concurrency Computation Practice and Experience</i> , 2020 , e5839	1.4	18
130	Enhancement of Security and Handling the Inconspicuousness in IoT Using a Simple Size Extensible Blockchain. <i>Energies</i> , 2020 , 13, 1795	3.1	10
129	Blockchain and Fog Based Architecture for Internet of Everything in Smart Cities. <i>Future Internet</i> , 2020 , 12, 61	3.3	60
128	Advancing Modern Healthcare With Nanotechnology, Nanobiosensors, and Internet of Nano Things: Taxonomies, Applications, Architecture, and Challenges. <i>IEEE Access</i> , 2020 , 8, 65230-65266	3.5	43
127	Smart traffic monitoring system using Unmanned Aerial Vehicles (UAVs). <i>Computer Communications</i> , 2020 , 157, 434-443	5.1	56
126	A Novel Simulated-Annealing Based Electric Bus System Design, Simulation, and Analysis for Dehradun Smart City. <i>IEEE Access</i> , 2020 , 8, 89395-89424	3.5	21
125	Facial Emotion Detection to Assess Learner's State of Mind in an Online Learning System 2020 ,		16
124	Fuzzy Logic based Hybrid Model for Automatic Extractive Text Summarization 2020 ,		2
123	Modified grasshopper optimisation algorithm 2020 ,		2

122	A novel homomorphic RASD framework for secured data access and storage in cloud computing. <i>Open Computer Science</i> , 2020 , 10, 431-443	1.5	4
121	Hyperbolic Spider Monkey Optimization Algorithm. <i>Recent Advances in Computer Science and Communications</i> , 2020 , 13, 35-42	0.6	6
120	Lightweight Proof of Game (LPoG): A Proof of Work (PoW)'s Extended Lightweight Consensus Algorithm for Wearable Kidneys. <i>Sensors</i> , 2020 , 20,	3.8	11
119	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> , 2020 , 96-124	0.3	21
118	Green and Smart Buildings. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2020 , 146-163	0.5	8
117	Robust Multimedia Watermarking. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 2020 , 73-89	0.3	3
116	Empirical Study of Soft Clustering Technique for Determining Click Through Rate in Online Advertising. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 3-13	0.4	2
115	Internet of Things (IoT) and the Digital Business Environment: A Standpoint Inclusive Cyber Space, Cyber Crimes, and Cybersecurity 2020 , 111-152		10
114	si3-Industry: A Sustainable, Intelligent, Innovative, Internet-of-Things Industry. <i>Advances in Science, Technology and Innovation</i> , 2020 , 1-21	0.3	22
113	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> , 2020 , 431-444	0.4	2
112	Robot Path Planning Using Modified Artificial Bee Colony Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 25-36	0.4	10
111	The Internet of Drone Things (IoDT): Future Envision of Smart Drones. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 563-580	0.4	28
110	Pneumonia Detection Using Convolutional Neural Networks (CNNs). <i>Lecture Notes in Networks and Systems</i> , 2020 , 471-483	0.5	8
109	Multilingual Opinion Mining Movie Recommendation System Using RNN. <i>Lecture Notes in Networks and Systems</i> , 2020 , 589-605	0.5	7
108	Fog Computing: Building a Road to IoT with Fog Analytics. <i>Studies in Big Data</i> , 2020 , 59-78	0.9	6
107	Factex: A Practical Approach to Crime Detection. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 503-516	0.4	3
106	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> , 2020 , 697-711	0.4	7
105	Efficiency analysis for stochastic dynamic facility layout problem using meta-heuristic, data envelopment analysis and machine learning. <i>Computational Intelligence</i> , 2020 , 36, 172-202	2.5	14

104	A Modified Step-Up Converter with Small Signal Analysis-Based Controller for Renewable Resource Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 102	2.6	11
103	A remix IDE: smart contract-based framework for the healthcare sector by using Blockchain technology. <i>Multimedia Tools and Applications</i> , 2020 , 1	2.5	8
102	IoT-based green city architecture using secured and sustainable android services. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101091	7	17
101	Leveraging energy-efficient load balancing algorithms in fog computing. <i>Concurrency Computation Practice and Experience</i> , 2020 , e5913	1.4	6
100	A Three-Step Authentication Model for Mobile Phone User Using Keystroke Dynamics. <i>IEEE Access</i> , 2020 , 8, 125909-125922	3.5	5
99	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> , 2020 , 8, 149093-149112	3.5	4
98	CT-RPL: Cluster Tree Based Routing Protocol to Maximize the Lifetime of Internet of Things. <i>Sensors</i> , 2020 , 20,	3.8	11
97	. <i>IEEE Access</i> , 2020 , 8, 179167-179188	3.5	3
96	2020 ,		3
95	Towards Pattern-Based Change Verification Framework for Cloud-Enabled Healthcare Component-Based. <i>IEEE Access</i> , 2020 , 8, 148007-148020	3.5	16
94	Modified Cascade Controller Design for Unstable Processes With Large Dead Time. <i>IEEE Access</i> , 2020 , 8, 157022-157036	3.5	6
93	NLFFT: A Novel Fault Tolerance Model Using Artificial Intelligence to Improve Performance in Wireless Sensor Networks. <i>IEEE Access</i> , 2020 , 8, 149231-149254	3.5	18
92	Duplicate Bug Report Detection and Classification System Based on Deep Learning Technique. <i>IEEE Access</i> , 2020 , 8, 200749-200763	3.5	8
91	Elliptic Curve Signcryption-Based Mutual Authentication Protocol for Smart Cards. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8291	2.6	3
90	IEEMARP- a novel energy efficient multipath routing protocol based on ant Colony optimization (ACO) for dynamic sensor networks. <i>Multimedia Tools and Applications</i> , 2020 , 79, 35221-35252	2.5	17
89	Convolutional neural network based early fire detection. <i>Multimedia Tools and Applications</i> , 2020 , 79, 9083-9099	2.5	19
88	Investigation of active pharmaceutical ingredients using photonic structure through regression analysis. <i>Optik</i> , 2020 , 201, 163456	2.5	1
87	SDN-based real-time urban traffic analysis in VANET environment. <i>Computer Communications</i> , 2020 , 149, 162-175	5.1	60

86	Disseminating of Bio-info with respect to different photonic crystal structure through AWS. <i>Optik</i> , 2020 , 202, 163590	2.5	1
85	Multimedia Social Big Data: Mining. <i>Intelligent Systems Reference Library</i> , 2020 , 289-321	0.8	15
84	Proficient QoS-Based Target Coverage Problem in Wireless Sensor Networks. <i>IEEE Access</i> , 2020 , 8, 74315-74325	3.5	5
83	Game theoretical approach for load balancing using SGMLB model in cloud environment. <i>PLoS ONE</i> , 2020 , 15, e0231708	3.7	4
82	Chaotic-map based authenticated security framework with privacy preservation for remote point-of-care. <i>Multimedia Tools and Applications</i> , 2020 , 80, 1-26	2.5	10
81	BLOCKCHAIN 2020 , 25-42		26
80	Prediction of optical specifications through ANN model to design a monochromatic optical filter for all three optical windows. <i>Optik</i> , 2019 , 198, 163314	2.5	4
79	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> , 2019 , 191-207	0.2	8
78	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> , 2019 , 208-220	0.2	3
77	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> , 2019 , 15-27	0.2	4
76	WBAN: Driving e-healthcare Beyond Telemedicine to Remote Health Monitoring 2019 , 89-119		34
75	Security and Privacy in Remote Healthcare 2019 , 201-225		19
74	Studies on coupling of optical power to graphene based nano waveguide at 1550 nm for application in photonic integrated circuit. <i>Optik</i> , 2019 , 185, 636-642	2.5	
73	Rumour veracity detection on twitter using particle swarm optimized shallow classifiers. <i>Multimedia Tools and Applications</i> , 2019 , 78, 24083-24101	2.5	27
72	Comprehensive Analysis of Routing Protocols Surrounding Underwater Sensor Networks (UWSNs). <i>Advances in Intelligent Systems and Computing</i> , 2019 , 435-450	0.4	15
71	An Optimization Model for Software Quality Prediction With Case Study Analysis Using MATLAB. <i>IEEE Access</i> , 2019 , 7, 85123-85138	3.5	15
70	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> , 2019 , 12, 248-249	1	3
69	Movie Recommender System Using K-Means Clustering AND K-Nearest Neighbor 2019 ,		31

68	A Novel Deep-Learning-Based Bug Severity Classification Technique Using Convolutional Neural Networks and Random Forest with Boosting. <i>Sensors</i> , 2019 , 19,	3.8	26
67	Authentication Protocol for Cloud Databases Using Blockchain Mechanism. <i>Sensors</i> , 2019 , 19,	3.8	26
66	Soft-computing-based false alarm reduction for hierarchical data of intrusion detection system. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771988313	1.7	7
65	A New Model for Predicting Component-Based Software Reliability Using Soft Computing. <i>IEEE Access</i> , 2019 , 7, 147191-147203	3.5	15
64	Swarm Intelligence and Evolutionary Algorithms for Cancer Diagnosis 2019 , 19-44		2
63	Data Placement in Era of Cloud Computing: a Survey, Taxonomy and Open Research Issues. <i>Scalable Computing</i> , 2019 , 20, 377-398	2.4	17
62	Research on Auto-Scaling of Web Applications in Cloud: Survey, Trends and Future Directions. <i>Scalable Computing</i> , 2019 , 20, 399-432	2.4	22
61	Dynamic Task Scheduling using Balanced VM Allocation Policy for Fog Computing Platforms. <i>Scalable Computing</i> , 2019 , 20, 433-456	2.4	18
60	Effect of Multiple-Agent Deployment in MANET. <i>Recent Patents on Computer Science</i> , 2019 , 12, 180-190	1	4
59	Green Internet of Things (G-IoT). <i>Advances in Data Mining and Database Management Book Series</i> , 2019 , 379-405	0.6	56
58	Cyber Security Challenges for Smart Cities. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 2019 , 27-54	0.3	16
57	Innovative Ideas to Manage Urban Traffic Congestion in Cognitive Cities. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 2019 , 139-162	0.3	30
56	A novel ant colony optimization (ACO) based energy efficient multipath routing protocol for sensor communications. <i>Intelligent Decision Technologies</i> , 2019 , 1-16	0.7	
55	Swarm Intelligence and Evolutionary Algorithms in Disease DiagnosisIntroductory Aspects 2019 , 1-18		3
54	Human Age Classification System Using K-NN Classifier. <i>Communications in Computer and Information Science</i> , 2019 , 294-311	0.3	6
53	Sarcasm Detection Using Soft Attention-Based Bidirectional Long Short-Term Memory Model With Convolution Network. <i>IEEE Access</i> , 2019 , 7, 23319-23328	3.5	50
52	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> , 2019 , 53, 546-561	1.6	25
51	Home energy management system (HEMS): concept, architecture, infrastructure, challenges and energy management schemes. <i>Energy Systems</i> , 2019 , 1	1.7	24

50	FDTD approach to photonic based angular waveguide for wide range of sensing application. <i>Optik</i> , 2019 , 176, 56-59	2.5	8
49	Defending Jellyfish Attack in Mobile Ad hoc Networks via Novel Fuzzy System Rule. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 437-455	0.4	3
48	Firefly Swarm: Metaheuristic Swarm Intelligence Technique for Mathematical Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 457-466	0.4	6
47	Artificial Bee Colony OptimizationPopulation-Based Meta-Heuristic Swarm Intelligence Technique. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 513-525	0.4	7
46	A Comprehensive Survey on Ransomware Attack: A Growing Havoc Cyberthreat. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 403-420	0.4	7
45	BioSenHealth 1.0: A Novel Internet of Medical Things (IoMT)-Based Patient Health Monitoring System. <i>Lecture Notes in Networks and Systems</i> , 2019 , 155-164	0.5	31
44	Analysis of Simulation Tools for Underwater Sensor Networks (UWSNs). <i>Lecture Notes in Networks and Systems</i> , 2019 , 165-180	0.5	11
43	Fog computing: from architecture to edge computing and big data processing. <i>Journal of Supercomputing</i> , 2019 , 75, 2070-2105	2.5	99
42	Arrhenius Artificial Bee Colony Algorithm. <i>Lecture Notes in Networks and Systems</i> , 2019 , 187-195	0.5	15
41	Metamaterial based photonic structure: An alternate high performance antireflection coating for solar cell. <i>Optik</i> , 2019 , 179, 740-743	2.5	11
40	Realization of absorber, reflector and transmitter using single photonic structure. <i>Optik</i> , 2019 , 180, 962-966	2.5	2
39	Generation of ultra violet signal from visible light using photonic crystal fiber: A realization of PCF based UV torch. <i>Optik</i> , 2019 , 180, 913-916	2.5	4
38	L-shape Si-waveguide for THz-communication. <i>Optik</i> , 2019 , 178, 509-512	2.5	6
37	Smart Surveillance Robot for Real-Time Monitoring and Control System in Environment and Industrial Applications. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 229-243	0.4	15
36	IEEMARP: Improvised Energy Efficient Multipath Ant Colony Optimization (ACO) Routing Protocol for Wireless Sensor Networks. <i>Communications in Computer and Information Science</i> , 2018 , 3-24	0.3	2
35	Introduction to Swarm Intelligence 2018 , 53-78		30
34	A Comprehensive Analysis of Goods and Services Tax (GST) in India. <i>Indian Journal of Finance</i> , 2018 , 12, 57	1.1	5
33	Simulation based Performance Comparison & Analysis regarding Static and Mobile Throwboxes impact on Network Performance in Delay Tolerant Networks (DTNs) using ONE Simulator. <i>Journal of Physics: Conference Series</i> , 2018 , 1142, 012015	0.3	1

32	Machine Learning from Theory to Algorithms: An Overview. <i>Journal of Physics: Conference Series</i> , 2018 , 1142, 012012	0.3	105
31	BHEEM: A Blockchain-Based Framework for Securing Electronic Health Records 2018 ,		120
30	Data Consumption-Aware Load Forecasting Scheme for Smart Grid Systems 2018 ,		12
29	Predicting Employee Attrition using XGBoost Machine Learning Approach 2018 ,		14
28	Distributed Big Data Analytics in the Internet of Signals 2018 ,		11
27	Internet of Robotic Things: Driving Intelligent Robotics of Future - Concept, Architecture, Applications and Technologies 2018 ,		47
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