# Arun Kumar Sangaiah

List of Publications by Year
in descending order

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|---|---|---|---|
| 395<br>papers | 15,556<br>citations | 11608<br>70<br>h-index | 30848<br>102<br>g-index |
| 420<br>all docs | 420<br>docs citations | 420<br>times ranked | 13735<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | An integrated decision support system based on ANN and Fuzzy_AHP for heart failure risk prediction. Expert Systems With Applications, 2017, 68, 163-172. | 4.4 | 292 |
| 2 | The impact of the hybrid platform of internet of things and cloud computing on healthcare systems: opportunities, challenges, and open problems. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4151-4166. | 3.3 | 279 |
| 3 | A three-factor anonymous authentication scheme for wireless sensor networks in internet of things environments. Journal of Network and Computer Applications, 2018, 103, 194-204. | 5.8 | 266 |
| 4 | A hybrid model of Internet of Things and cloud computing to manage big data in health services applications. Future Generation Computer Systems, 2018, 86, 1383-1394. | 4.9 | 260 |
| 5 | Anonymous mutual authentication and key agreement scheme for wearable sensors in wireless body area networks. Computer Networks, 2017, 129, 429-443. | 3.2 | 244 |
| 6 | An elliptic curve cryptography based lightweight authentication scheme for smart grid communication. Future Generation Computer Systems, 2018, 81, 557-565. | 4.9 | 208 |
| 7 | Analysis and Prediction of Water Quality Using LSTM Deep Neural Networks in IoT Environment. Sustainability, 2019, 11, 2058. | 1.6 | 190 |
| 8 | Secure and Robust Fragile Watermarking Scheme for Medical Images. IEEE Access, 2018, 6, 10269-10278. | 2.6 | 189 |
| 9 | A lightweight and robust two-factor authentication scheme for personalized healthcare systems using wireless medical sensor networks. Future Generation Computer Systems, 2018, 82, 727-737. | 4.9 | 187 |
| 10 | Enforcing Position-Based Confidentiality With Machine Learning Paradigm Through Mobile Edge Computing in Real-Time Industrial Informatics. IEEE Transactions on Industrial Informatics, 2019, 15, 4189-4196. | 7.2 | 187 |
| 11 | An Improved Routing Schema with Special Clustering Using PSO Algorithm for Heterogeneous Wireless Sensor Network. Sensors, 2019, 19, 671. | 2.1 | 184 |
| 12 | Supplier selection using fuzzy AHP and TOPSIS: a case study in the Indian automotive industry. Neural Computing and Applications, 2018, 29, 555-564. | 3.2 | 175 |
| 13 | Classification of ransomware families with machine learning based on $N$-gram of opcodes. Future Generation Computer Systems, 2019, 90, 211-221. | 4.9 | 172 |
| 14 | Deep Learning and Superpixel Feature Extraction Based on Contractive Autoencoder for Change Detection in SAR Images. IEEE Transactions on Industrial Informatics, 2018, 14, 5530-5538. | 7.2 | 170 |
| 15 | Lightweight deep network for traffic sign classification. Annales Des Telecommunications/Annals of Telecommunications, 2020, 75, 369-379. | 1.6 | 158 |
| 16 | Adaptive Communication Protocols in Flying Ad Hoc Network. , 2018, 56, 136-142. | | 157 |
| 17 | Energy Efficient Routing Algorithm with Mobile Sink Support for Wireless Sensor Networks. Sensors, 2019, 19, 1494. | 2.1 | 155 |
| 18 | Android malware detection based on system call sequences and LSTM. Multimedia Tools and Applications, 2019, 78, 3979-3999. | 2.6 | 151 |

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| 19 | An intelligent data gathering schema with data fusion supported for mobile sink in wireless sensor networks. International Journal of Distributed Sensor Networks, 2019, 15, 155014771983958. | 1.3 | 150 |
| 20 | Big Data Cleaning Based on Mobile Edge Computing in Industrial Sensor-Cloud. IEEE Transactions on Industrial Informatics, 2020, 16, 1321-1329. | 7.2 | 150 |
| 21 | Spatial and semantic convolutional features for robust visual object tracking. Multimedia Tools and Applications, 2020, 79, 15095-15115. | 2.6 | 148 |
| 22 | Deep feature learning for histopathological image classification of canine mammary tumors and human breast cancer. Information Sciences, 2020, 508, 405-421. | 4.0 | 147 |
| 23 | Survey on clustering in heterogeneous and homogeneous wireless sensor networks. Journal of Supercomputing, 2018, 74, 277-323. | 2.4 | 142 |
| 24 | Pattern recognition of electromyography signals based on novel time domain features for amputees' limb motion classification. Computers and Electrical Engineering, 2018, 67, 646-655. | 3.0 | 135 |
| 25 | Extended Genetic Algorithm for solving open-shop scheduling problem. Soft Computing, 2019, 23, 5099-5116. | 2.1 | 133 |
| 26 | Alcoholism identification via convolutional neural network based on parametric ReLU, dropout, and batch normalization. Neural Computing and Applications, 2020, 32, 665-680. | 3.2 | 133 |
| 27 | Special Issue on Intelligent Edge Computing for Cyber Physical and Cloud Systems. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-4. | 2.9 | 129 |
| 28 | Raspberry Pi assisted face recognition framework for enhanced law-enforcement services in smart cities. Future Generation Computer Systems, 2020, 108, 995-1007. | 4.9 | 127 |
| 29 | Mobile edge computing based QoS optimization in medical healthcare applications. International Journal of Information Management, 2019, 45, 308-318. | 10.5 | 124 |
| 30 | SCSTCF: Spatial-Channel Selection and Temporal Regularized Correlation Filters for visual tracking. Applied Soft Computing Journal, 2022, 118, 108485. | 4.1 | 124 |
| 31 | ARHPE: Asymmetric Relation-Aware Representation Learning for Head Pose Estimation in Industrial Human–Computer Interaction. IEEE Transactions on Industrial Informatics, 2022, 18, 7107-7117. | 7.2 | 123 |
| 32 | Medical JPEG image steganography based on preserving inter-block dependencies. Computers and Electrical Engineering, 2018, 67, 320-329. | 3.0 | 122 |
| 33 | An empower hamilton loop based data collection algorithm with mobile agent for WSNs. Human-centric Computing and Information Sciences, 2019, 9, . | 6.1 | 120 |
| 34 | A joint resource-aware and medical data security framework for wearable healthcare systems. Future Generation Computer Systems, 2019, 95, 382-391. | 4.9 | 120 |
| 35 | Smart grid load forecasting using online support vector regression. Computers and Electrical Engineering, 2018, 65, 102-117. | 3.0 | 114 |
| 36 | An Affinity Propagation-Based Self-Adaptive Clustering Method for Wireless Sensor Networks. Sensors, 2019, 19, 2579. | 2.1 | 114 |

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| 37 | Optimization of signal quality over comfortability of textile electrodes for ECG monitoring in fog computing based medical applications. Future Generation Computer Systems, 2018, 86, 515-526. | 4.9 | 112 |
| 38 | Obstacle avoidance of mobile robots using modified artificial potential field algorithm. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, . | 1.5 | 109 |
| 39 | A Robust Time Synchronization Scheme for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 3570-3580. | 7.2 | 106 |
| 40 | IoT Resource Allocation and Optimization Based on Heuristic Algorithm. Sensors, 2020, 20, 539. | 2.1 | 104 |
| 41 | Convergence of IoT and product lifecycle management in medical health care. Future Generation Computer Systems, 2018, 86, 380-391. | 4.9 | 103 |
| 42 | Internet of health things-driven deep learning system for detection and classification of cervical cells using transfer learning. Journal of Supercomputing, 2020, 76, 8590-8608. | 2.4 | 99 |
| 43 | Edge-Computing-Based Trustworthy Data Collection Model in the Internet of Things. IEEE Internet of Things Journal, 2020, 7, 4218-4227. | 5.5 | 97 |
| 44 | A real-time and ubiquitous network attack detection based on deep belief network and support vector machine. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 790-799. | 8.5 | 95 |
| 45 | Blockchain-Enabled Distributed Security Framework for Next-Generation IoT: An Edge Cloud and Software-Defined Network-Integrated Approach. IEEE Internet of Things Journal, 2020, 7, 6143-6149. | 5.5 | 92 |
| 46 | Incentive Mechanism of Data Storage Based on Blockchain for Wireless Sensor Networks. Mobile Information Systems, 2018, 2018, 1-10. | 0.4 | 91 |
| 47 | Energy Consumption in Point-Coverage Wireless Sensor Networks via Bat Algorithm. IEEE Access, 2019, 7, 180258-180269. | 2.6 | 88 |
| 48 | Energy-Aware Green Adversary Model for Cyberphysical Security in Industrial System. IEEE Transactions on Industrial Informatics, 2020, 16, 3322-3329. | 7.2 | 88 |
| 49 | Energy-Efficient and Trustworthy Data Collection Protocol Based on Mobile Fog Computing in Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 3531-3539. | 7.2 | 86 |
| 50 | A certificateless aggregate signature scheme for healthcare wireless sensor network. Sustainable Computing: Informatics and Systems, 2018, 18, 80-89. | 1.6 | 85 |
| 51 | Towards an efficient risk assessment in software projectsâ€"Fuzzy reinforcement paradigm. Computers and Electrical Engineering, 2018, 71, 833-846. | 3.0 | 85 |
| 52 | An intelligent learning approach for improving ECG signal classification and arrhythmia analysis. Artificial Intelligence in Medicine, 2020, 103, 101788. | 3.8 | 85 |
| 53 | An integrated fuzzy DEMATEL, TOPSIS, and ELECTRE approach for evaluating knowledge transfer effectiveness with reference to GSD project outcome. Neural Computing and Applications, 2017, 28, 111-123. | 3.2 | 84 |
| 54 | An adaptive large neighborhood search heuristic for dynamic vehicle routing problems. Computers and Electrical Engineering, 2018, 67, 596-607. | 3.0 | 84 |

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| 55 | The utility based non-linear fuzzy AHP optimization model for network selection in heterogeneous wireless networks. Applied Soft Computing Journal, 2018, 67, 800-811. | 4.1 | 84 |
| 56 | CNN-based anti-spoofing two-tier multi-factor authentication system. Pattern Recognition Letters, 2019, 126, 123-131. | 2.6 | 84 |
| 57 | Aspect based sentiment analysis by a linguistically regularized CNN with gated mechanism. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3971-3980. | 0.8 | 83 |
| 58 | An improved Lévy based whale optimization algorithm for bandwidth-efficient virtual machine placement in cloud computing environment. Cluster Computing, 2019, 22, 8319-8334. | 3.5 | 81 |
| 59 | A Survey on software-defined networking in vehicular ad hoc networks: Challenges, applications and use cases. Sustainable Cities and Society, 2017, 35, 830-840. | 5.1 | 80 |
| 60 | Secure CLS and CL-AS schemes designed for VANETs. Journal of Supercomputing, 2019, 75, 3076-3098. | 2.4 | 79 |
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| 62 | Meta-heuristic framework: Quantum inspired binary grey wolf optimizer for unit commitment problem. Computers and Electrical Engineering, 2018, 70, 243-260. | 3.0 | 78 |
| 63 | Pairing based anonymous and secure key agreement protocol for smart grid edge computing infrastructure. Future Generation Computer Systems, 2018, 88, 491-500. | 4.9 | 78 |
| 64 | Health of Things Algorithms for Malignancy Level Classification of Lung Nodules. IEEE Access, 2018, 6, 18592-18601. | 2.6 | 77 |
| 65 | An Energy-Efficient Algorithm for Wearable Electrocardiogram Signal Processing in Ubiquitous Healthcare Applications. Sensors, 2018, 18, 923. | 2.1 | 77 |
| 66 | Mobility Based Trust Evaluation for Heterogeneous Electric Vehicles Network in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1797-1806. | 4.7 | 77 |
| 67 | Deep detection network for real-life traffic sign in vehicular networks. Computer Networks, 2018, 136, 95-104. | 3.2 | 75 |
| 68 | Multi-objective multi-mode resource constrained project scheduling problem using Pareto-based algorithms. Computing (Vienna/New York), 2019, 101, 547-570. | 3.2 | 75 |
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| 70 | Human behavior characterization for driving style recognition in vehicle system. Computers and Electrical Engineering, 2020, 83, 102504. | 3.0 | 74 |
| 71 | Object Tracking in Vary Lighting Conditions for Fog Based Intelligent Surveillance of Public Spaces. IEEE Access, 2018, 6, 29283-29296. | 2.6 | 73 |
| 72 | Visual attention feature (VAF) : A novel strategy for visual tracking based on cloud platform in intelligent surveillance systems. Journal of Parallel and Distributed Computing, 2018, 120, 182-194. | 2.7 | 73 |

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| 73 | A Hybrid Genetic Algorithm for Multi-Trip Green Capacitated Arc Routing Problem in the Scope of Urban Services. Sustainability, 2018, 10, 1366. | 1.6 | 73 |
| 74 | Performance evaluation of IoT middleware. Journal of Network and Computer Applications, 2018, 109, 53-65. | 5.8 | 72 |
| 75 | Medical image classification based on multi-scale non-negative sparse coding. Artificial Intelligence in Medicine, 2017, 83, 44-51. | 3.8 | 71 |
| 76 | Sensitivity Analysis of an Attack-Pattern Discovery Based Trusted Routing Scheme for Mobile Ad-Hoc Networks in Industrial IoT. IEEE Access, 2018, 6, 20085-20103. | 2.6 | 71 |
| 77 | Neutrosophic AHP-Delphi Group decision making model based on trapezoidal neutrosophic numbers. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1427-1443. | 3.3 | 71 |
| 78 | A multi-objective invasive weed optimization algorithm for robust aggregate production planning under uncertain seasonal demand. Computing (Vienna/New York), 2019, 101, 499-529. | 3.2 | 70 |
| 79 | A provably secure and anonymous message authentication scheme for smart grids. Journal of Parallel and Distributed Computing, 2019, 132, 242-249. | 2.7 | 70 |
| 80 | Robust optimization and mixed-integer linear programming model for LNG supply chain planning problem. Soft Computing, 2020, 24, 7885-7905. | 2.1 | 70 |
| 81 | Configuring a Trusted Cloud Service Model for Smart City Exploration Using Hybrid Intelligence. International Journal of Ambient Computing and Intelligence, 2017, 8, 1-21. | 0.8 | 69 |
| 82 | An intelligent healthcare system for detection and classification to discriminate vocal fold disorders. Future Generation Computer Systems, 2018, 85, 19-28. | 4.9 | 69 |
| 83 | Identity Management and Access Control Based on Blockchain under Edge Computing for the Industrial Internet of Things. Applied Sciences (Switzerland), 2019, 9, 2058. | 1.3 | 68 |
| 84 | IoT-Based Wireless Polysomnography Intelligent System for Sleep Monitoring. IEEE Access, 2018, 6, 405-414. | 2.6 | 67 |
| 85 | Raspberry Pi assisted facial expression recognition framework for smart security in law-enforcement services. Information Sciences, 2019, 479, 416-431. | 4.0 | 66 |
| 86 | SIGMM: A Novel Machine Learning Algorithm for Spammer Identification in Industrial Mobile Cloud Computing. IEEE Transactions on Industrial Informatics, 2019, 15, 2349-2359. | 7.2 | 66 |
| 87 | Sentiment analysis: a review and comparative analysis over social media. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 97-117. | 3.3 | 65 |
| 88 | Ransomware classification using patch-based CNN and self-attention network on embedded N-grams of opcodes. Future Generation Computer Systems, 2020, 110, 708-720. | 4.9 | 64 |
| 89 | A modified nature inspired meta-heuristic whale optimization algorithm for solving 0â€"1 knapsack problem. International Journal of Machine Learning and Cybernetics, 2019, 10, 495-514. | 2.3 | 64 |
| 90 | Feature and Intensity Based Medical Image Registration Using Particle Swarm Optimization. Journal of Medical Systems, 2017, 41, 197. | 2.2 | 62 |

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| 91 | An enhancement of task scheduling in cloud computing based on imperialist competitive algorithm and firefly algorithm. Journal of Supercomputing, 2020, 76, 6302-6329. | 2.4 | 62 |
| 92 | A combined fuzzy DEMATEL and fuzzy TOPSIS approach for evaluating GSD project outcome factors. Neural Computing and Applications, 2015, 26, 1025-1040. | 3.2 | 61 |
| 93 | New cubic reference table based image steganography. Multimedia Tools and Applications, 2018, 77, 10033-10050. | 2.6 | 58 |
| 94 | An ANFIS approach for evaluation of team-level service climate in GSD projects using Taguchi-genetic learning algorithm. Applied Soft Computing Journal, 2015, 30, 628-635. | 4.1 | 57 |
| 95 | Community-Aware Data Propagation with Small World Feature for Internet of Vehicles. , 2018, 56, 86-91. | | 54 |
| 96 | Adaptive context aware decision computing paradigm for intensive health care delivery in smart citiesâ€"A case analysis. Sustainable Cities and Society, 2018, 41, 919-924. | 5.1 | 52 |
| 97 | A distributed node deployment algorithm for underwater wireless sensor networks based on virtual forces. Journal of Systems Architecture, 2019, 97, 9-19. | 2.5 | 52 |
| 98 | Energy-Aware Geographic Routing for Real-Time Workforce Monitoring in Industrial Informatics. IEEE Internet of Things Journal, 2021, 8, 9753-9762. | 5.5 | 52 |
| 99 | A Lifetime-Enhanced Data Collecting Scheme for the Internet of Things. , 2017, 55, 132-137. | | 49 |
| 100 | Twitter spam account detection based on clustering and classification methods. Journal of Supercomputing, 2020, 76, 4802-4837. | 2.4 | 48 |
| 101 | A unified face identification and resolution scheme using cloud computing in Internet of Things. Future Generation Computer Systems, 2018, 81, 582-592. | 4.9 | 46 |
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| 103 | Hybrid Reasoning-based Privacy-Aware Disease Prediction Support System. Computers and Electrical Engineering, 2019, 73, 114-127. | 3.0 | 46 |
| 104 | Fog computing enabled cost-effective distributed summarization of surveillance videos for smart cities. Journal of Parallel and Distributed Computing, 2019, 126, 161-170. | 2.7 | 46 |
| 105 | Diagnosis of heart diseases by a secure Internet of Health Things system based on Autoencoder Deep Neural Network. Computer Communications, 2020, 162, 31-50. | 3.1 | 46 |
| 106 | SMSH: Secure Surveillance Mechanism on Smart Healthcare IoT System With Probabilistic Image Encryption. IEEE Access, 2020, 8, 15747-15767. | 2.6 | 46 |
| 107 | A congestion avoidance game for information exchange on intersections in heterogeneous vehicular networks. Journal of Network and Computer Applications, 2017, 85, 116-126. | 5.8 | 45 |
| 108 | Root Exploit Detection and Features Optimization: Mobile Device and Blockchain Based Medical Data Management. Journal of Medical Systems, 2018, 42, 112. | 2.2 | 45 |

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| 109 | CSP-E2: An abuse-free contract signing protocol with low-storage TTP for energy-efficient electronic transaction ecosystems. Information Sciences, 2019, 476, 505-515. | 4.0 | 45 |
| 110 | A short-term traffic prediction model in the vehicular cyber–physical systems. Future Generation Computer Systems, 2020, 105, 894-903. | 4.9 | 45 |
| 111 | Medical images fusion by using weighted least squares filter and sparse representation. Computers and Electrical Engineering, 2018, 67, 252-266. | 3.0 | 43 |
| 112 | A novel sentiment aware dictionary for multi-domain sentiment classification. Computers and Electrical Engineering, 2018, 69, 585-597. | 3.0 | 43 |
| 113 | A Study of Green Development Mode and Total Factor Productivity of the Food Industry Based on the Industrial Internet of Things. , 2018, 56, 72-78. | | 41 |
| 114 | Multi-Fault Bearing Classification Using Sensors and ConvNet-Based Transfer Learning Approach. IEEE Sensors Journal, 2020, 20, 1433-1444. | 2.4 | 41 |
| 115 | A novel group decision-making model based on triangular neutrosophic numbers. Soft Computing, 2018, 22, 6629-6643. | 2.1 | 40 |
| 116 | Energy-Aware Fault-Tolerant Dynamic Task Scheduling Scheme for Virtualized Cloud Data Centers. Mobile Networks and Applications, 2019, 24, 1063-1077. | 2.2 | 40 |
| 117 | Feature-based Compositing Memory Networks for Aspect-based Sentiment Classification in Social Internet of Things. Future Generation Computer Systems, 2019, 92, 879-888. | 4.9 | 40 |
| 118 | CenLocShare: A centralized privacy-preserving location-sharing system for mobile online social networks. Future Generation Computer Systems, 2018, 86, 863-872. | 4.9 | 39 |
| 119 | Guided dynamic particle swarm optimization for optimizing digital image watermarking in industry applications. Future Generation Computer Systems, 2018, 88, 92-106. | 4.9 | 38 |
| 120 | 5G-Based Transmission Power Control Mechanism in Fog Computing for Internet of Things Devices. Sustainability, 2018, 10, 1258. | 1.6 | 38 |
| 121 | Predictive modelling of building energy consumption based on a hybrid nature-inspired optimization algorithm. Energy and Buildings, 2019, 196, 83-93. | 3.1 | 38 |
| 122 | Lightweight authentication protocol for e-health clouds in IoT-based applications through 5G technology. Digital Communications and Networks, 2021, 7, 235-244. | 2.7 | 38 |
| 123 | A Reliability-Aware Approach for Resource Efficient Virtual Network Function Deployment. IEEE Access, 2018, 6, 18238-18250. | 2.6 | 37 |
| 124 | Clickbait Convolutional Neural Network. Symmetry, 2018, 10, 138. | 1.1 | 37 |
| 125 | Automatic histologically-closer classification of skin lesions. Computerized Medical Imaging and Graphics, 2018, 68, 40-54. | 3.5 | 37 |
| 126 | UAV based wilt detection system via convolutional neural networks. Sustainable Computing: Informatics and Systems, 2020, 28, 100250. | 1.6 | 37 |

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| 127 | A review on object detection in unmanned aerial vehicle surveillance. International Journal of Cognitive Computing in Engineering, 2021, 2, 215-228. | 5.5 | 37 |
| 128 | Search space-based multi-objective optimization evolutionary algorithm. Computers and Electrical Engineering, 2017, 58, 126-143. | 3.0 | 36 |
| 129 | Energy-Efficient Device-to-Device Edge Computing Network: An Approach Offloading Both Traffic and Computation. IEEE Communications Magazine, 2018, 56, 96-102. | 4.9 | 36 |
| 130 | An Energy-Efficient Off-Loading Scheme for Low Latency in Collaborative Edge Computing. IEEE Access, 2019, 7, 149182-149190. | 2.6 | 36 |
| 131 | An ECG Signal De-Noising Approach Based on Wavelet Energy and Sub-Band Smoothing Filter. Applied Sciences (Switzerland), 2019, 9, 4968. | 1.3 | 35 |
| 132 | Face expression recognition system based on ripplet transform type II and least square SVM. Multimedia Tools and Applications, 2019, 78, 4789-4812. | 2.6 | 35 |
| 133 | Big Data-Driven Cognitive Computing System for Optimization of Social Media Analytics. IEEE Access, 2020, 8, 82215-82226. | 2.6 | 35 |
| 134 | Fuzzy vault-based biometric security method for tele-health monitoring systems. Computers and Electrical Engineering, 2018, 71, 546-557. | 3.0 | 34 |
| 135 | A Hybrid Method for Mobile Agent Moving Trajectory Scheduling using ACO and PSO in WSNs. Sensors, 2019, 19, 575. | 2.1 | 34 |
| 136 | Neutrosophic fusion of rough set theory: An overview. Computers in Industry, 2020, 115, 103117. | 5.7 | 34 |
| 137 | TRSDL: Tag-Aware Recommender System Based on Deep Learning–Intelligent Computing Systems. Applied Sciences (Switzerland), 2018, 8, 799. | 1.3 | 33 |
| 138 | Arabic text clustering using improved clustering algorithms with dimensionality reduction. Cluster Computing, 2019, 22, 4535-4549. | 3.5 | 33 |
| 139 | Unsupervised deep learning system for local anomaly event detection in crowded scenes. Multimedia Tools and Applications, 2020, 79, 35275-35295. | 2.6 | 33 |
| 140 | A Hesitant Fuzzy Based Security Approach for Fog and Mobile-Edge Computing. IEEE Access, 2018, 6, 688-701. | 2.6 | 32 |
| 141 | Image Super-Resolution Algorithm Based on Dual-Channel Convolutional Neural Networks. Applied Sciences (Switzerland), 2019, 9, 2316. | 1.3 | 32 |
| 142 | Intelligent sentiment analysis approach using edge computing–based deep learning technique. Software - Practice and Experience, 2020, 50, 645-657. | 2.5 | 32 |
| 143 | LACCVoV: Linear Adaptive Congestion Control With Optimization of Data Dissemination Model in Vehicle-to-Vehicle Communication. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5319-5328. | 4.7 | 32 |
| 144 | Constrained Random Routing Mechanism for Source Privacy Protection in WSNs. IEEE Access, 2017, 5, 23171-23181. | 2.6 | 31 |

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| 145 | A novel mutual authentication scheme with formal proof for smart healthcare systems under global mobility networks notion. Computers and Electrical Engineering, 2018, 68, 107-118. | 3.0 | 31 |
| 146 | An intelligent decision computing paradigm for crowd monitoring in the smart city. Journal of Parallel and Distributed Computing, 2018, 118, 344-358. | 2.7 | 31 |
| 147 | A modified flower pollination algorithm for the multidimensional knapsack problem: human-centric decision making. Soft Computing, 2018, 22, 4221-4239. | 2.1 | 31 |
| 148 | Authentication Protocol for Distributed Cloud Computing: An Explanation of the Security Situations for Internet-of-Things-Enabled Devices. IEEE Consumer Electronics Magazine, 2018, 7, 38-44. | 2.3 | 31 |
| 149 | UAV-enabled friendly jamming scheme to secure industrial Internet of Things. Journal of Communications and Networks, 2019, 21, 481-490. | 1.8 | 31 |
| 150 | DGA Domain Name Classification Method Based on Long Short-Term Memory with Attention Mechanism. Applied Sciences (Switzerland), 2019, 9, 4205. | 1.3 | 31 |
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| 154 | An Approach to EEG Based Emotion Recognition and Classification Using Kernel Density Estimation. Procedia Computer Science, 2015, 48, 574-581. | 1.2 | 30 |
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| 159 | A New Meta-Heuristic Algorithm for Solving the Flexible Dynamic Job-Shop Problem with Parallel Machines. Symmetry, 2019, 11, 165. | 1.1 | 30 |
| 160 | Secure Automated Forensic Investigation for Sustainable Critical Infrastructures Compliant with Green Computing Requirements. IEEE Transactions on Sustainable Computing, 2020, 5, 174-191. | 2.2 | 30 |
| 161 | A Q-Learning-Based Approach for Deploying Dynamic Service Function Chains. Symmetry, 2018, 10, 646. | 1.1 | 29 |
| 162 | An Intelligent Deterministic Scheduling Method for Ultralow Latency Communication in Edge Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 1756-1767. | 7.2 | 29 |

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| 164 | Integration of fuzzy DEMATEL and FMCDM approach for evaluating knowledge transfer effectiveness with reference to GSD project outcome. International Journal of Machine Learning and Cybernetics, 2018, 9, 225-241. | 2.3 | 28 |
| 165 | An enhanced three factor based authentication protocol using wireless medical sensor networks for healthcare monitoring. Journal of Ambient Intelligence and Humanized Computing, 0, , 1. | 3.3 | 28 |
| 166 | Research on Defensive Strategy of Real-Time Price Attack Based on Multiperson Zero-Determinant. Security and Communication Networks, 2019, 2019, 1-13. | 1.0 | 28 |
| 167 | Medical Information Security for Wearable Body Sensor Networks in Smart Healthcare. IEEE Consumer Electronics Magazine, 2019, 8, 37-41. | 2.3 | 28 |
| 168 | Detecting seam carved images using uniform local binary patterns. Multimedia Tools and Applications, 2020, 79, 8415-8430. | 2.6 | 28 |
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| 170 | Power-Management Strategies for Medical Information Transmission in Wireless Body Sensor Networks. IEEE Consumer Electronics Magazine, 2020, 9, 47-51. | 2.3 | 28 |
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