Victor Hugo C De Albuquerque

List of Publications by Year
in descending order

308 papers	13,711 citations	20036 63 h-index	37326 100 g-index
315 all docs	315 docs citations	315 times ranked	11814 citing authors

#	Article	IF	Citations
1	Deep learning-based multidimensional feature fusion for classification of ECG arrhythmia. Neural Computing and Applications, 2023, 35, 16073-16087.	3.2	17
2	AI-Driven Salient Soccer Events Recognition Framework for Next-Generation IoT-Enabled Environments. IEEE Internet of Things Journal, 2023, 10, 2202-2214.	5.5	5
3	Deepview: Deep-Learning-Based Users Field of View Selection in 360Â° Videos for Industrial Environments. IEEE Internet of Things Journal, 2023, 10, 2903-2912.	5.5	1
4	Hybrid feature fusion for classification optimization of short ECG segment in IoT based intelligent healthcare system. Neural Computing and Applications, 2023, 35, 22823-22837.	3.2	7
5	A Compressed Unsupervised Deep Domain Adaptation Model for Efficient Cross-Domain Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2023, 19, 6741-6749.	7.2	5
6	Intelligent IoT security monitoring based on fuzzy optimum-path forest classifier. Soft Computing, 2023, 27, 4279-4288.	2.1	1
7	Floor of log: a novel intelligent algorithm for 3D lung segmentation in computer tomography images. Multimedia Systems, 2022, 28, 1151-1163.	3.0	4
8	An experimental approach to evaluate machine learning models for the estimation of load distribution on suspension bridge using <scp>FBG</scp> sensors and <scp>IoT</scp>. Computational Intelligence, 2022, 38, 747-769.	2.1	11
9	AI-Assisted Edge Vision for Violence Detection in IoT-Based Industrial Surveillance Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 5359-5370.	7.2	39
10	A Group Discovery Method Based on Collaborative Filtering and Knowledge Graph for IoT Scenarios. IEEE Transactions on Computational Social Systems, 2022, 9, 279-290.	3.2	6
11	<scp>Brainâ€"computer</scp> interfaceâ€"based target recognition system using transfer learning: A deep learning approach. Computational Intelligence, 2022, 38, 139-155.	2.1	7
12	An intelligent system for complex violence pattern analysis and detection. International Journal of Intelligent Systems, 2022, 37, 10400-10422.	3.3	22
13	Human Short Long-Term Cognitive Memory Mechanism for Visual Monitoring in IoT-Assisted Smart Cities. IEEE Internet of Things Journal, 2022, 9, 7128-7139.	5.5	61
14	Intelligent 3D Objects Classification for Vehicular Ad Hoc Network Based on Lidar and Deep Learning Approaches. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19807-19816.	4.7	2
15	Energy-Based Dropout in Restricted Boltzmann Machines: Why Not Go Random. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 276-286.	3.4	3
16	Artificial Intelligence of Things-assisted two-stream neural network for anomaly detection in surveillance Big Video Data. Future Generation Computer Systems, 2022, 129, 286-297.	4.9	67
17	MFFusion: A Multi-level Features Fusion Model for Malicious Traffic Detection based on Deep Learning. Computer Networks, 2022, 202, 108658.	3.2	20
18	Automated CCA-MWF Algorithm for Unsupervised Identification and Removal of EOG Artifacts From EEG. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3607-3617.	3.9	9

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19	EdgeFireSmoke: A Novel Lightweight CNN Model for Real-Time Video Fire–Smoke Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 7889-7898.	7.2	26
20	Postural evaluation based on body movement and mapping sensors. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110538.	2.5	0
21	An Intelligent Multisampling Tensor Model for Oral Cancer Classification. IEEE Transactions on Industrial Informatics, 2022, 18, 7853-7861.	7.2	12
22	New fully automatic approach for tissue identification in histopathological examinations using transfer learning. IET Image Processing, 2022, 16, 2875-2889.	1.4	5
23	A novel method for lung nodule detection in computed tomography scans based on Boolean equations and vector of filters techniques. Computers and Electrical Engineering, 2022, 100, 107911.	3.0	11
24	Explainable artificial intelligence-based edge fuzzy images for COVID-19 detection and identification. Applied Soft Computing Journal, 2022, 123, 108966.	4.1	26
25	Group'n Route: An Edge Learning-Based Clustering and Efficient Routing Scheme Leveraging Social Strength for the Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19589-19601.	4.7	9
26	A Side Chain Consensus-Based Decentralized Autonomous Vehicle Group Formation and Maintenance Method in a Highway Scene. IEEE Transactions on Industrial Informatics, 2022, 18, 9250-9258.	7.2	3
27	Evaluation of Weighted Nuclear Norm Minimization Algorithm for Ultrasound Image Denoising. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	0.8	3
28	PMAL: A Proxy Model Active Learning Approach for Vision Based Industrial Applications. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-18.	3.0	3
29	Artificial plant optimization algorithm to detect infected leaves using machine learning. Expert Systems, 2021, 38, e12501.	2.9	19
30	Automatic detection of COVID-19 infection using chest X-ray images through transfer learning. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 239-248.	8.5	187
31	DCAVN: Cervical cancer prediction and classification using deep convolutional and variational autoencoder network. Multimedia Tools and Applications, 2021, 80, 30399-30415.	2.6	23
32	Efficient Security and Authentication for Edge-Based Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15652-15662.	5.5	63
33	IoT-Based Smart Health System for Ambulatory Maternal and Fetal Monitoring. IEEE Internet of Things Journal, 2021, 8, 16814-16824.	5.5	26
34	Deep Learning-Enhanced Internet of Medical Things to Analyze Brain CT Scans of Hemorrhagic Stroke Patients: A New Approach. IEEE Sensors Journal, 2021, 21, 24941-24951.	2.4	24
35	Smart Supervision of Cardiomyopathy Based on Fuzzy Harris Hawks Optimizer and Wearable Sensing Data Optimization: A New Model. IEEE Transactions on Cybernetics, 2021, 51, 4944-4958.	6.2	28
36	Weighted LIC-Based Structure Tensor With Application to Image Content Perception and Processing. IEEE Transactions on Industrial Informatics, 2021, 17, 2250-2260.	7.2	7

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37	Link Optimization in Software Defined IoV Driven Autonomous Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3511-3520.	4.7	31
38	Decision support system on credit operation using linear and logistic regression. Expert Systems, 2021, 38, e12578.	2.9	5
39	Deep Learning for Multigrade Brain Tumor Classification in Smart Healthcare Systems: A Prospective Survey. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 507-522.	7.2	203
40	Neuro–fuzzy model for HELLP syndrome prediction in mobile cloud computing environments. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	1.4	14
41	A comprehensive survey of multi-view video summarization. Pattern Recognition, 2021, 109, 107567.	5.1	78
42	Industrial Cyber-Physical Systems-Based Cloud IoT Edge for Federated Heterogeneous Distillation. IEEE Transactions on Industrial Informatics, 2021, 17, 5511-5521.	7.2	35
43	Industrial Pervasive Edge Computing-Based Intelligence IoT for Surveillance Saliency Detection. IEEE Transactions on Industrial Informatics, 2021, 17, 5012-5020.	7.2	29
44	METO: Matching-Theory-Based Efficient Task Offloading in IoT-Fog Interconnection Networks. IEEE Internet of Things Journal, 2021, 8, 12705-12715.	5.5	43
45	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. IEEE Internet of Things Journal, 2021, 8, 9634-9644.	5.5	30
46	Industrial Internet-of-Things Security Enhanced With Deep Learning Approaches for Smart Cities. IEEE Internet of Things Journal, 2021, 8, 6393-6405.	5.5	41
47	Hyper-Noise Interference Privacy Protection Framework for Intelligent Medical Data-Centric Networks. IEEE Network, 2021, 35, 333-339.	4.9	5
48	A Robust Deep-Learning-Enabled Trust-Boundary Protection for Adversarial Industrial IoT Environment. IEEE Internet of Things Journal, 2021, 8, 9611-9621.	5.5	34
49	An Open IoHT-Based Deep Learning Framework for Online Medical Image Recognition. IEEE Journal on Selected Areas in Communications, 2021, 39, 541-548.	9.7	66
50	Toward ML-Based Energy-Efficient Mechanism for 6G Enabled Industrial Network in Box Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7185-7192.	7.2	28
51	INDFORG: Industrial Forgery Detection Using Automatic Rotation Angle Detection and Correction. IEEE Transactions on Industrial Informatics, 2021, 17, 3630-3639.	7.2	16
52	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5223-5231.	4.7	49
53	Tocâ€Tum miniâ€games: An educational game accessible for deaf culture based on virtual reality. Expert Systems, 2021, 38, .	2.9	9
54	A New Design of Mamdani Complex Fuzzy Inference System for Multiattribute Decision Making Problems. IEEE Transactions on Fuzzy Systems, 2021, 29, 716-730.	6.5	43

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55	Internet of Water Things: A Remote Raw Water Monitoring and Control System. IEEE Access, 2021, 9, 35790-35800.	2.6	26
56	Emerging Drone Trends for Blockchain-Based 5G Networks: Open Issues and Future Perspectives. IEEE Network, 2021, 35, 38-43.	4.9	24
57	A Novel Linear Classifier for Class Imbalance Data Arising in Failure-Prone Air Pressure Systems. IEEE Access, 2021, 9, 4211-4222.	2.6	3
58	Automatic Segmentation of Macular Holes in Optical Coherence Tomography Images. IEEE Access, 2021, 9, 96487-96500.	2.6	0
59	A novel transfer learning approach for the classification of histological images of colorectal cancer. Journal of Supercomputing, 2021, 77, 9494-9519.	2.4	25
60	A new approach for the detection of pneumonia in children using CXR images based on an real-time IoT system. Journal of Real-Time Image Processing, 2021, 18, 1099-1114.	2.2	18
61	Efficient and Privacy Preserving Video Transmission in 5G-Enabled IoT Surveillance Networks: Current Challenges and Future Directions. IEEE Network, 2021, 35, 26-33.	4.9	10
62	Computing Paradigms in Emerging Vehicular Environments: A Review. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 491-511.	8.5	51
63	Ensemble Meteorological Cloud Classification Meets Internet of Dependable and Controllable Things. IEEE Internet of Things Journal, 2021, 8, 3323-3330.	5.5	17
64	Special issue on deep network based industrial Internet of Things applications. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4278.	2.6	0
65	Computer-assisted Parkinson's disease diagnosis using fuzzy optimum- path forest and Restricted Boltzmann Machines. Computers in Biology and Medicine, 2021, 131, 104260.	3.9	32
66	Guest Editorial: Special Section on Advanced Deep Learning Algorithms for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 2764-2766.	7.2	10
67	In.IoTâ€"A New Middleware for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 7902-7911.	5.5	21
68	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. Information Fusion, 2021, 71, 64-76.	11.7	26
69	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	4.7	170
70	A novel feature extractor for human action recognition in visual question answering. Pattern Recognition Letters, 2021, 147, 41-47.	2.6	7
71	Explainable Artificial Intelligence for Sarcasm Detection in Dialogues. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	0.8	12
72	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. IEEE Sensors Journal, 2021, 21, 17469-17478.	2.4	20

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73	Locally GAN-generated face detection based on an improved Xception. Information Sciences, 2021, 572, 16-28.	4.0	37
74	GUEST EDITORIAL: Internet of Things for e-Health Applications. IEEE Internet of Things Magazine, 2021, 4, 4-5.	2.0	3
75	Editorial: Enabling Wearable Brain Technologies - Methods and Applications. Frontiers in Human Neuroscience, 2021, 15, 722388.	1.0	1
76	Reinforcing learning in Deep Belief Networks through nature-inspired optimization. Applied Soft Computing Journal, 2021, 108, 107466.	4.1	12
77	Video salient object detection using dual-stream spatiotemporal attention. Applied Soft Computing Journal, 2021, 108, 107433.	4.1	16
78	A soft computing automatic based in deep learning with use of fine-tuning for pulmonary segmentation in computed tomography images. Applied Soft Computing Journal, 2021, 112, 107810.	4.1	8
79	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. Expert Systems With Applications, 2021, 182, 115125.	4.4	66
80	Human action recognition using attention based LSTM network with dilated CNN features. Future Generation Computer Systems, 2021, 125, 820-830.	4.9	121
81	Human Memory Update Strategy: A Multi-Layer Template Update Mechanism for Remote Visual Monitoring. IEEE Transactions on Multimedia, 2021, 23, 2188-2198.	5.2	217
82	Multi-Class Skin Lesion Detection and Classification via Teledermatology. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4267-4275.	3.9	86
83	Intelligent Virtual Reality Therapy Systems for Motor and Cognitive Rehabilitation: A Survey based on Clinical Trial Studies. Journal of Artificial Intelligence and Systems, 2021, 3, 130-156.	0.7	0
84	Light-DehazeNet: A Novel Lightweight CNN Architecture for Single Image Dehazing. IEEE Transactions on Image Processing, 2021, 30, 8968-8982.	6.0	63
85	Guest Editorial AI and 5G Empowered Internet of Medical Things. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3688-3690.	3.9	2
86	Sliding large kernel of deep learning algorithm for mobile electrocardiogram diagnosis. Computers and Electrical Engineering, 2021, 96, 107521.	3.0	14
87	An Artificial Intelligence Application for Drone-Assisted 5G Remote e-Health. IEEE Internet of Things Magazine, 2021, 4, 30-35.	2.0	6
88	OPFSumm: on the video summarization using Optimum-Path Forest. Multimedia Tools and Applications, 2020, 79, 11195-11211.	2.6	3
89	The health of things for classification of protein structure using improved grey wolf optimization. Journal of Supercomputing, 2020, 76, 1226-1241.	2.4	17
90	Automatic classification of pulmonary diseases using a structural co-occurrence matrix. Neural Computing and Applications, 2020, 32, 10935-10945.	3.2	13

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91	Computer-aided autism diagnosis via second-order difference plot area applied to EEG empirical mode decomposition. Neural Computing and Applications, 2020, 32, 10947-10956.	3.2	45
92	Lung nodule malignancy classification in chest computed tomography images using transfer learning and convolutional neural networks. Neural Computing and Applications, 2020, 32, 11065-11082.	3.2	59
93	Automatic quantification of spheroidal graphite nodules using computer vision techniques. Journal of Supercomputing, 2020, 76, 1212-1225.	2.4	26
94	Adaptive optimal multi key based encryption for digital image security. Concurrency Computation Practice and Experience, 2020, 32, e5122.	1.4	21
95	A new EEG software that supports emotion recognition by using an autonomous approach. Neural Computing and Applications, 2020, 32, 11111-11127.	3.2	10
96	A proposal for Internet of Smart Home Things based on BCI system to aid patients with amyotrophic lateral sclerosis. Neural Computing and Applications, 2020, 32, 11007-11017.	3.2	21
97	Fully automatic modelâ€based segmentation and classification approach for MRI brain tumor using artificial neural networks. Concurrency Computation Practice and Experience, 2020, 32, e4962.	1.4	99
98	Nonlinear characterization and complexity analysis of cardiotocographic examinations using entropy measures. Journal of Supercomputing, 2020, 76, 1305-1320.	2.4	23
99	Evaluation on diabetic plantar pressure data-set employing auto-segmentation technologies. Neural Computing and Applications, 2020, 32, 11041-11054.	3.2	5
100	Seasonal Crops Disease Prediction and Classification Using Deep Convolutional Encoder Network. Circuits, Systems, and Signal Processing, 2020, 39, 818-836.	1.2	111
101	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 1067-1075.	7.2	87
102	Online heart monitoring systems on the internet of health things environments: A survey, a reference model and an outlook. Information Fusion, 2020, 53, 222-239.	11.7	97
103	REHAB FUN: an assistive technology in neurological motor disorders rehabilitation of children with cerebral palsy. Neural Computing and Applications, 2020, 32, 10957-10970.	3.2	8
104	An augmented reality-supported mobile application for diagnosis of heart diseases. Journal of Supercomputing, 2020, 76, 1242-1267.	2.4	24
105	Usability feature extraction using modified crow search algorithm: a novel approach. Neural Computing and Applications, 2020, 32, 10915-10925.	3.2	68
106	Research on Circular Area Search algorithm of multi-robot service based on SOA cloud platform. Applied Soft Computing Journal, 2020, 88, 105816.	4.1	3
107	Novel Incremental Algorithms for Attribute Reduction From Dynamic Decision Tables Using Hybrid Filterâ€"Wrapper With Fuzzy Partition Distance. IEEE Transactions on Fuzzy Systems, 2020, 28, 858-873.	6.5	31
108	Heart Arrhythmia Classification Based on Statistical Moments and Structural Co-occurrence. Circuits, Systems, and Signal Processing, 2020, 39, 631-650.	1.2	23

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109	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. IEEE Transactions on Industrial Informatics, 2020, 16, 77-86.	7.2	101
110	A new fusion of grey wolf optimizer algorithm with a two-phase mutation for feature selection. Expert Systems With Applications, 2020, 139, 112824.	4.4	215
111	Evaluation of Goat Leather Quality Based on Computational Vision Techniques. Circuits, Systems, and Signal Processing, 2020, 39, 651-673.	1.2	8
112	Automatic Neuroimage Processing and Analysis in Stroke—A Systematic Review. IEEE Reviews in Biomedical Engineering, 2020, 13, 130-155.	13.1	23
113	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2592-2602.	7.2	60
114	Unified model for interpreting multi-view echocardiographic sequences without temporal information. Applied Soft Computing Journal, 2020, 88, 106049.	4.1	21
115	DeepReS: A Deep Learning-Based Video Summarization Strategy for Resource-Constrained Industrial Surveillance Scenarios. IEEE Transactions on Industrial Informatics, 2020, 16, 5938-5947.	7.2	61
116	GQM: Autonomous goods quantity monitoring in IIoT based on battery-free RFID. Mechanical Systems and Signal Processing, 2020, 136, 106411.	4.4	5
117	A Novel Siamese-Based Approach for Scene Change Detection With Applications to Obstructed Routes in Hazardous Environments. IEEE Intelligent Systems, 2020, 35, 44-53.	4.0	18
118	A Novel Approach for Optimum-Path Forest Classification Using Fuzzy Logic. IEEE Transactions on Fuzzy Systems, 2020, 28, 3076-3086.	6.5	13
119	An effective approach to unmanned aerial vehicle navigation using visual topological map in outdoor and indoor environments. Computer Communications, 2020, 150, 696-702.	3.1	7
120	Learning physical properties in complex visual scenes: An intelligent machine for perceiving blood flow dynamics from static CT angiography imaging. Neural Networks, 2020, 123, 82-93.	3.3	77
121	Fast fully automatic heart fat segmentation in computed tomography datasets. Computerized Medical Imaging and Graphics, 2020, 80, 101674.	3.5	19
122	Multiobjective 3-D Topology Optimization of Next-Generation Wireless Data Center Network. IEEE Transactions on Industrial Informatics, 2020, 16, 3597-3605.	7.2	123
123	An IoT platform for the analysis of brain CT images based on Parzen analysis. Future Generation Computer Systems, 2020, 105, 135-147.	4.9	20
124	Trustful Internet of Surveillance Things Based on Deeply Represented Visual Co-Saliency Detection. IEEE Internet of Things Journal, 2020, 7, 4092-4100.	5.5	32
125	A critical literature survey and prospects on tampering and anomaly detection in image data. Applied Soft Computing Journal, 2020, 97, 106727.	4.1	15
126	IoT System for School Dropout Prediction Using Machine Learning Techniques Based on Socioeconomic Data. Electronics (Switzerland), 2020, 9, 1613.	1.8	15

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127	Internet of Medical Things: An Effective and Fully Automatic IoT Approach Using Deep Learning and Fine-Tuning to Lung CT Segmentation. Sensors, 2020, 20, 6711.	2.1	16
128	Intelligent Sensory Pen for Aiding in the Diagnosis of Parkinson's Disease from Dynamic Handwriting Analysis. Sensors, 2020, 20, 5840.	2.1	14
129	Event-Oriented 3D Convolutional Features Selection and Hash Codes Generation Using PCA for Video Retrieval. IEEE Access, 2020, 8, 196529-196540.	2.6	12
130	Automatic Classifying of Patients With Non-Traumatic Fractures Based on Ultrasonic Guided Wave Spectrum Image Using a Dynamic Support Vector Machine. IEEE Access, 2020, 8, 194752-194764.	2.6	20
131	Computation Offloading for Vehicular Environments: A Survey. IEEE Access, 2020, 8, 198214-198243.	2.6	51
132	Real-Time Traffic Sign Detection and Recognition using CNN. IEEE Latin America Transactions, 2020, 18, 522-529.	1.2	12
133	Anomalies Identification in Images from Security Video Cameras Using Mask R-CNN. IEEE Latin America Transactions, 2020, 18, 530-536.	1.2	5
134	Energy-Efficient Monitoring of Fire Scenes for Intelligent Networks. IEEE Network, 2020, 34, 108-115.	4.9	26
135	A multi-objective artificial butterfly optimization approach for feature selection. Applied Soft Computing Journal, 2020, 94, 106442.	4.1	26
136	A high-efficiency energy and storage approach for IoT applications of facial recognition. Image and Vision Computing, 2020, 96, 103899.	2.7	15
137	Cascaded Volumetric Fully Convolutional Networks for Whole-Heart and Great Vessel 3D segmentation. Future Generation Computer Systems, 2020, 108, 198-209.	4.9	11
138	Comparison of RSM, ANN and Fuzzy Logic for extraction of Oleonolic Acid from Ocimum sanctum. Computers in Industry, 2020, 117, 103200.	5.7	28
139	Artificial intelligence techniques empowered edge-cloud architecture for brain CT image analysis. Engineering Applications of Artificial Intelligence, 2020, 91, 103585.	4.3	31
140	Cost-Effective Video Summarization Using Deep CNN With Hierarchical Weighted Fusion for IoT Surveillance Networks. IEEE Internet of Things Journal, 2020, 7, 4455-4463.	5.5	74
141	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
142	Salient Object Detection in the Distributed Cloud-Edge Intelligent Network. IEEE Network, 2020, 34, 216-224.	4.9	61
143	A Novel Transfer Learning Based Approach for Pneumonia Detection in Chest X-ray Images. Applied Sciences (Switzerland), 2020, 10, 559.	1.3	431
144	Monocular Vision Aided Depth Map from RGB Images to Estimate of Localization and Support to Navigation of Mobile Robots. IEEE Sensors Journal, 2020, 20, 12040-12048.	2.4	16

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145	Aggregator based RPL for an IoT-fog based power distribution system with 6LoWPAN. China Communications, 2020, 17, 104-117.	2.0	12
146	Mobility Enabled Security for Optimizing IoT based Intelligent Applications. IEEE Network, 2020, 34, 72-77.	4.9	43
147	A Smart Waste Management Solution Geared towards Citizens. Sensors, 2020, 20, 2380.	2.1	100
148	Reliability of response region: A novel mechanism in visual tracking by edge computing for IIoT environments. Mechanical Systems and Signal Processing, 2020, 138, 106537.	4.4	98
149	Active Balancing Mechanism for Imbalanced Medical Data in Deep Learning–Based Classification Models. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-15.	3.0	21
150	EEG-based biometric systems. , 2020, , 97-153.		3
151	Robot-assisted therapy for rehabilitation of children with cerebral palsy - A complementary and alternative approach. Computers in Human Behavior, 2019, 100, 152-167.	5.1	20
152	Using multimodal learning analytics to study collaboration on discussion groups. Universal Access in the Information Society, 2019, 18, 633-643.	2.1	27
153	An Improved Minor Component Analysis Algorithm Based on Convergence Analysis of 5G Multi-Dimensional Signals. IEEE Access, 2019, 7, 91860-91871.	2.6	1
154	Guest Editorial: Interactive Virtual Environments for Neuroscience. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1863-1864.	3.9	0
155	Fine-tuning restricted Boltzmann machines using quaternions and its application for spam detection. IET Networks, 2019, 8, 164-168.	1.1	0
156	Learning concept drift with ensembles of optimum-path forest-based classifiers. Future Generation Computer Systems, 2019, 95, 198-211.	4.9	16
157	Parameters optimization of the dust absorbing structure for photovoltaic panel cleaning robot based on orthogonal experiment method. Journal of Cleaner Production, 2019, 217, 724-731.	4.6	57
158	Internet of Things: A survey on machine learning-based intrusion detection approaches. Computer Networks, 2019, 151, 147-157.	3.2	330
159	Energy-Efficient Deep CNN for Smoke Detection in Foggy IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9237-9245.	5.5	127
160	Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms From Big Data Repositories. IEEE Internet of Things Journal, 2019, 6, 9246-9255.	5.5	50
161	MAC Layer Protocols for Internet of Things: A Survey. Future Internet, 2019, 11, 16.	2.4	89
162	A new fast morphological geodesic active contour method for lung CT image segmentation. Measurement: Journal of the International Measurement Confederation, 2019, 148, 106687.	2.5	19

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163	Analysis of Transform-Based Features on Lateral View Breast Thermograms. Circuits, Systems, and Signal Processing, 2019, 38, 5734-5754.	1.2	6
164	Performance enhanced ripplet transform based compression method for medical images. Measurement: Journal of the International Measurement Confederation, 2019, 144, 203-213.	2.5	6
165	A new approach for mobile robot localization based on an online IoT system. Future Generation Computer Systems, 2019, 100, 859-881.	4.9	21
166	Automatic Cardiotocography Diagnostic System Based on Hilbert Transform and Adaptive Threshold Technique. IEEE Access, 2019, 7, 73085-73094.	2.6	22
167	The patient bed assignment problem solved by autonomous bat algorithm. Applied Soft Computing Journal, 2019, 81, 105484.	4.1	16
168	A novel cluster head selection technique for edge-computing based IoMT systems. Computer Networks, 2019, 158, 114-122.	3.2	80
169	Classification of EEG signals to detect alcoholism using machine learning techniques. Pattern Recognition Letters, 2019, 125, 140-149.	2.6	46
170	A mutual exclusion algorithm for flying Ad Hoc networks. Computers and Electrical Engineering, 2019, 76, 82-93.	3.0	15
171	A novel electrocardiogram feature extraction approach for cardiac arrhythmia classification. Future Generation Computer Systems, 2019, 97, 564-577.	4.9	101
172	Analysis of Man-Machine Interfaces in Upper-Limb Prosthesis: A Review. Robotics, 2019, 8, 16.	2.1	43
173	Energy production predication via Internet of Thing based machine learning system. Future Generation Computer Systems, 2019, 97, 180-193.	4.9	13
174	Artificial Intelligence-Driven Mechanism for Edge Computing-Based Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 4235-4243.	7.2	208
175	Development of a Robotic Airboat for Online Water Quality Monitoring in Lakes. Robotics, 2019, 8, 19.	2.1	17
176	Handwritten pattern recognition for early Parkinson's disease diagnosis. Pattern Recognition Letters, 2019, 125, 78-84.	2.6	35
177	Detecting Parkinson's disease with sustained phonation and speech signals using machine learning techniques. Pattern Recognition Letters, 2019, 125, 55-62.	2.6	150
178	A proposal for bridging application layer protocols to HTTP on IoT solutions. Future Generation Computer Systems, 2019, 97, 145-152.	4.9	34
179	Ultrasonic sensor signals and self organized mapping with nearest neighbors for the microstructural characterization of thermally-aged Inconel 625 alloy. Computers in Industry, 2019, 107, 1-10.	5.7	6
180	Towards an optimal resource management for IoT based Green and sustainable smart cities. Journal of Cleaner Production, 2019, 220, 1167-1179.	4.6	143

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181	Multi-Kernel Coupled Projections for Domain Adaptive Dictionary Learning. IEEE Transactions on Multimedia, 2019, 21, 2292-2304.	5.2	27
182	Evolutionary algorithms for automatic lung disease detection. Measurement: Journal of the International Measurement Confederation, 2019, 140, 590-608.	2.5	43
183	Deep learning IoT system for online stroke detection in skull computed tomography images. Computer Networks, 2019, 152, 25-39.	3.2	90
184	Internet of Things Based on Electronic and Mobile Health Systems for Blood Glucose Continuous Monitoring and Management. IEEE Access, 2019, 7, 175116-175125.	2.6	21
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