Victor Hugo C De Albuquerque

List of Publications by Year
in descending order

308 papers	13,711 citations	17440 63 h-index	32842 100 g-index
315 all docs	315 docs citations	315 times ranked	10678 citing authors

#	Article	IF	Citations
1	A Novel Transfer Learning Based Approach for Pneumonia Detection in Chest X-ray Images. Applied Sciences (Switzerland), 2020, 10, 559.	2.5	431
2	Performance Analysis of Google Colaboratory as a Tool for Accelerating Deep Learning Applications. IEEE Access, 2018, 6, 61677-61685.	4.2	354
3	Internet of Things: A survey on machine learning-based intrusion detection approaches. Computer Networks, 2019, 151, 147-157.	5.1	330
4	Enabling Technologies for the Internet of Health Things. IEEE Access, 2018, 6, 13129-13141.	4.2	299
5	Drilling tool geometry evaluation for reinforced composite laminates. Composite Structures, 2010, 92, 1545-1550.	5.8	219
6	Human Memory Update Strategy: A Multi-Layer Template Update Mechanism for Remote Visual Monitoring. IEEE Transactions on Multimedia, 2021, 23, 2188-2198.	7.2	217
7	A new fusion of grey wolf optimizer algorithm with a two-phase mutation for feature selection. Expert Systems With Applications, 2020, 139, 112824.	7.6	215
8	Efficient supervised optimum-path forest classification for large datasets. Pattern Recognition, 2012, 45, 512-520.	8.1	210
9	Artificial Intelligence-Driven Mechanism for Edge Computing-Based Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 4235-4243.	11.3	208
10	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.	11.3	203
11	A Reference Model for Internet of Things Middleware. IEEE Internet of Things Journal, 2018, 5, 871-883.	8.7	200
12	Advances in Photopletysmography Signal Analysis for Biomedical Applications. Sensors, 2018, 18, 1894.	3.8	195
13	Automatic detection of COVID-19 infection using chest X-ray images through transfer learning. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 239-248.	13.1	187
14	Automatic 3D pulmonary nodule detection in CT images: A survey. Computer Methods and Programs in Biomedicine, 2016, 124, 91-107.	4.7	183
15	A medical records managing and securing blockchain based system supported by a Genetic Algorithm and Discrete Wavelet Transform. Cognitive Systems Research, 2018, 52, 1-11.	2.7	174
16	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	8.0	170
17	Optimized cuttlefish algorithm for diagnosis of Parkinsonâ€™s disease. Cognitive Systems Research, 2018, 52, 36-48.	2.7	157
18	Improved diagnosis of Parkinson's disease using optimized crow search algorithm. Computers and Electrical Engineering, 2018, 68, 412-424.	4.8	151

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19	Detecting Parkinsonâ€™s disease with sustained phonation and speech signals using machine learning techniques. Pattern Recognition Letters, 2019, 125, 55-62.	4.2	150
20	ECG arrhythmia classification based on optimum-path forest. Expert Systems With Applications, 2013, 40, 3561-3573.	7.6	144
21	Towards an optimal resource management for IoT based Green and sustainable smart cities. Journal of Cleaner Production, 2019, 220, 1167-1179.	9.3	143
22	Adapting weather conditionsÂbased IoT enabled smart irrigation technique in precision agriculture mechanisms. Neural Computing and Applications, 2019, 31, 277-292.	5.6	142
23	Handwritten dynamics assessment through convolutional neural networks: An application to Parkinson's disease identification. Artificial Intelligence in Medicine, 2018, 87, 67-77.	6.5	136
24	Energy-Efficient Deep CNN for Smoke Detection in Foggy IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9237-9245.	8.7	127
25	Activity Recognition Using Temporal Optical Flow Convolutional Features and Multilayer LSTM. IEEE Transactions on Industrial Electronics, 2019, 66, 9692-9702.	7.9	127
26	Multiobjective 3-D Topology Optimization of Next-Generation Wireless Data Center Network. IEEE Transactions on Industrial Informatics, 2020, 16, 3597-3605.	11.3	123
27	Human action recognition using attention based LSTM network with dilated CNN features. Future Generation Computer Systems, 2021, 125, 820-830.	7.5	121
28	Seasonal Crops Disease Prediction and Classification Using Deep Convolutional Encoder Network. Circuits, Systems, and Signal Processing, 2020, 39, 818-836.	2.0	111
29	Effective Features to Classify Big Data Using Social Internet of Things. IEEE Access, 2018, 6, 24196-24204.	4.2	104
30	A novel electrocardiogram feature extraction approach for cardiac arrhythmia classification. Future Generation Computer Systems, 2019, 97, 564-577.	7.5	101
31	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. IEEE Transactions on Industrial Informatics, 2020, 16, 77-86.	11.3	101
32	A Smart Waste Management Solution Geared towards Citizens. Sensors, 2020, 20, 2380.	3.8	100
33	Fully automatic modelâ€based segmentation and classification approach for MRI brain tumor using artificial neural networks. Concurrency Computation Practice and Experience, 2020, 32, e4962.	2.2	99
34	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.	3.6	99
35	Novel and powerful 3D adaptive crisp active contour method applied in the segmentation of CT lung images. Medical Image Analysis, 2017, 35, 503-516.	11.6	98
36	A survey on computer-assisted Parkinson's Disease diagnosis. Artificial Intelligence in Medicine, 2019, 95, 48-63.	6.5	98

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37	Reliability of response region: A novel mechanism in visual tracking by edge computing for IIoT environments. Mechanical Systems and Signal Processing, 2020, 138, 106537.	8.0	98
38	K-Means clustering and neural network for object detecting and identifying abnormality of brain tumor. Soft Computing, 2019, 23, 9083-9096.	3.6	97
39	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.	19.1	97
40	An Automated Remote Cloud-Based Heart Rate Variability Monitoring System. IEEE Access, 2018, 6, 77055-77064.	4.2	96
41	Evaluation of multilayer perceptron and self-organizing map neural network topologies applied on microstructure segmentation from metallographic images. NDT and E International, 2009, 42, 644-651.	3.7	94
42	Detection of subtype blood cells using deep learning. Cognitive Systems Research, 2018, 52, 1036-1044.	2.7	92
43	Deep learning IoT system for online stroke detection in skull computed tomography images. Computer Networks, 2019, 152, 25-39.	5.1	90
44	Drilling Damage in Composite Material. Materials, 2014, 7, 3802-3819.	2.9	89
45	MAC Layer Protocols for Internet of Things: A Survey. Future Internet, 2019, 11, 16.	3.8	89
46	A recurrence plot-based approach for Parkinsonâ€™s disease identification. Future Generation Computer Systems, 2019, 94, 282-292.	7.5	88
47	Enabling Technologies on Cloud of Things for Smart Healthcare. IEEE Access, 2018, 6, 31950-31967.	4.2	87
48	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 1067-1075.	11.3	87
49	EEG signal classification for epilepsy diagnosis via optimum path forest â€“ A systematic assessment. Neurocomputing, 2014, 136, 103-123.	5.9	86
50	Multi-Class Skin Lesion Detection and Classification via Teledermatology. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4267-4275.	6.3	86
51	Damage evaluation of drilled carbon/epoxy laminates based on area assessment methods. Composite Structures, 2013, 96, 576-583.	5.8	85
52	A Novel Monitoring System for Fall Detection in Older People. IEEE Access, 2018, 6, 43563-43574.	4.2	81
53	A novel cluster head selection technique for edge-computing based IoMT systems. Computer Networks, 2019, 158, 114-122.	5.1	80
54	Evaluation of Delamination Damage on Composite Plates using an Artificial Neural Network for the Radiographic Image Analysis. Journal of Composite Materials, 2010, 44, 1139-1159.	2.4	79

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55	A comprehensive survey of multi-view video summarization. Pattern Recognition, 2021, 109, 107567.	8.1	78
56	Health of Things Algorithms for Malignancy Level Classification of Lung Nodules. IEEE Access, 2018, 6, 18592-18601.	4.2	77
57	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.	5.9	77
58	Cost-Effective Video Summarization Using Deep CNN With Hierarchical Weighted Fusion for IoT Surveillance Networks. IEEE Internet of Things Journal, 2020, 7, 4455-4463.	8.7	74
59	A new solution for automatic microstructures analysis from images based on a backpropagation artificial neural network. Nondestructive Testing and Evaluation, 2008, 23, 273-283.	2.1	73
60	Artificial Intelligence based QoS optimization for multimedia communication in IoV systems. Future Generation Computer Systems, 2019, 95, 667-680.	7.5	71
61	Optimized Binary Bat algorithm for classification of white blood cells. Measurement: Journal of the International Measurement Confederation, 2019, 143, 180-190.	5.0	70
62	Usability feature extraction using modified crow search algorithm: a novel approach. Neural Computing and Applications, 2020, 32, 10915-10925.	5.6	68
63	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.	7.5	67
64	An Open IoHT-Based Deep Learning Framework for Online Medical Image Recognition. IEEE Journal on Selected Areas in Communications, 2021, 39, 541-548.	14.0	66
65	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. Expert Systems With Applications, 2021, 182, 115125.	7.6	66
66	Analysis of human tissue densities: A new approach to extract features from medical images. Pattern Recognition Letters, 2017, 94, 211-218.	4.2	64
67	Intelligent Incipient Fault Detection in Wind Turbines based on Industrial IoT Environment. Journal of Artificial Intelligence and Systems, 2019, 1, 1-19.	1.1	64
68	Efficient Security and Authentication for Edge-Based Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15652-15662.	8.7	63
69	Light-DehazeNet: A Novel Lightweight CNN Architecture for Single Image Dehazing. IEEE Transactions on Image Processing, 2021, 30, 8968-8982.	9.8	63
70	DeepReS: A Deep Learning-Based Video Summarization Strategy for Resource-Constrained Industrial Surveillance Scenarios. IEEE Transactions on Industrial Informatics, 2020, 16, 5938-5947.	11.3	61
71	Salient Object Detection in the Distributed Cloud-Edge Intelligent Network. IEEE Network, 2020, 34, 216-224.	6.9	61
72	Human Short Long-Term Cognitive Memory Mechanism for Visual Monitoring in IoT-Assisted Smart Cities. IEEE Internet of Things Journal, 2022, 9, 7128-7139.	8.7	61

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73	Nondestructive characterization of microstructures and determination of elastic properties in plain carbon steel using ultrasonic measurements. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4431-4437.	5.6	60
74	Novel Adaptive Balloon Active Contour Method based on internal force for image segmentation â€“ A systematic evaluation on synthetic and real images. Expert Systems With Applications, 2014, 41, 7707-7721.	7.6	60
75	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2592-2602.	11.3	60
76	Lung nodule malignancy classification in chest computed tomography images using transfer learning and convolutional neural networks. Neural Computing and Applications, 2020, 32, 11065-11082.	5.6	59
77	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.	9.3	57
78	Robust automated cardiac arrhythmia detection in ECG beat signals. Neural Computing and Applications, 2018, 29, 679-693.	5.6	55
79	Computation Offloading for Vehicular Environments: A Survey. IEEE Access, 2020, 8, 198214-198243.	4.2	51
80	Computing Paradigms in Emerging Vehicular Environments: A Review. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 491-511.	13.1	51
81	Computer techniques towards the automatic characterization of graphite particles in metallographic images of industrial materials. Expert Systems With Applications, 2013, 40, 590-597.	7.6	50
82	Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms From Big Data Repositories. IEEE Internet of Things Journal, 2019, 6, 9246-9255.	8.7	50
83	Cold deformation effect on the microstructures and mechanical properties of AISI 301LN and 316L stainless steels. Materials & Design, 2011, 32, 605-614.	5.1	49
84	Intelligent Network Security Monitoring Based on Optimum-Path Forest Clustering. IEEE Network, 2019, 33, 126-131.	6.9	49
85	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5223-5231.	8.0	49
86	Classification of EEG signals to detect alcoholism using machine learning techniques. Pattern Recognition Letters, 2019, 125, 140-149.	4.2	46
87	Computer-aided autism diagnosis via second-order difference plot area applied to EEG empirical mode decomposition. Neural Computing and Applications, 2020, 32, 10947-10956.	5.6	45
88	Phase transformations evaluation on a UNS S31803 duplex stainless steel based on nondestructive testing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 516, 126-130.	5.6	44
89	A novel mobile robot localization approach based on topological maps using classification with reject option in omnidirectional images. Expert Systems With Applications, 2017, 72, 1-17.	7.6	44
90	Localization and Navigation for Autonomous Mobile Robots Using Petri Nets in Indoor Environments. IEEE Access, 2018, 6, 31665-31676.	4.2	44

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91	Mechanical Properties and Microstructural Characterization of Aged Nickel-based Alloy 625 Weld Metal. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1653-1673.	2.2	43
92	Ranking Analysis for Online Customer Reviews of Products Using Opinion Mining with Clustering. Complexity, 2018, 2018, 1-9.	1.6	43
93	Analysis of Man-Machine Interfaces in Upper-Limb Prosthesis: A Review. Robotics, 2019, 8, 16.	3.5	43
94	Evolutionary algorithms for automatic lung disease detection. Measurement: Journal of the International Measurement Confederation, 2019, 140, 590-608.	5.0	43
95	Mobility Enabled Security for Optimizing IoT based Intelligent Applications. IEEE Network, 2020, 34, 72-77.	6.9	43
96	METO: Matching-Theory-Based Efficient Task Offloading in IoT-Fog Interconnection Networks. IEEE Internet of Things Journal, 2021, 8, 12705-12715.	8.7	43
97	A New Design of Mamdani Complex Fuzzy Inference System for Multiattribute Decision Making Problems. IEEE Transactions on Fuzzy Systems, 2021, 29, 716-730.	9.8	43
98	Evaluation of grain refiners influence on the mechanical properties in a CuAlBe shape memory alloy by ultrasonic and mechanical tensile testing. Materials & Design, 2010, 31, 3275-3281.	5.1	42
99	Spinodal decomposition mechanism study on the duplex stainless steel UNS S31803 using ultrasonic speed measurements. Materials & Design, 2010, 31, 2147-2150.	5.1	41
100	Industrial Internet-of-Things Security Enhanced With Deep Learning Approaches for Smart Cities. IEEE Internet of Things Journal, 2021, 8, 6393-6405.	8.7	41
101	Brazilian vehicle identification using a new embedded plate recognition system. Measurement: Journal of the International Measurement Confederation, 2015, 70, 36-46.	5.0	40
102	AI-Assisted Edge Vision for Violence Detection in IoT-Based Industrial Surveillance Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 5359-5370.	11.3	39
103	Comparative analysis of drills for composite laminates. Journal of Composite Materials, 2012, 46, 1649-1659.	2.4	37
104	Automatic histologically-closer classification of skin lesions. Computerized Medical Imaging and Graphics, 2018, 68, 40-54.	5.8	37
105	Locally GAN-generated face detection based on an improved Xception. Information Sciences, 2021, 572, 16-28.	6.9	37
106	Automatic microstructural characterization and classification using artificial intelligence techniques on ultrasound signals. Expert Systems With Applications, 2013, 40, 3096-3105.	7.6	36
107	Automatic evaluation of nickel alloy secondary phases from SEM images. Microscopy Research and Technique, 2011, 74, 36-46.	2.2	35
108	Novel Virtual Environment for Alternative Treatment of Children with Cerebral Palsy. Computational Intelligence and Neuroscience, 2016, 2016, 1-10.	1.7	35

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109	Reducing the Schizophrenia Stigma: A New Approach Based on Augmented Reality. Computational Intelligence and Neuroscience, 2017, 2017, 1-10.	1.7	35
110	Handwritten pattern recognition for early Parkinsonâ€™s disease diagnosis. Pattern Recognition Letters, 2019, 125, 78-84.	4.2	35
111	Industrial Cyber-Physical Systems-Based Cloud IoT Edge for Federated Heterogeneous Distillation. IEEE Transactions on Industrial Informatics, 2021, 17, 5511-5521.	11.3	35
112	Embedded real-time speed limit sign recognition using image processing and machine learning techniques. Neural Computing and Applications, 2017, 28, 573-584.	5.6	34
113	A proposal for bridging application layer protocols to HTTP on IoT solutions. Future Generation Computer Systems, 2019, 97, 145-152.	7.5	34
114	A Robust Deep-Learning-Enabled Trust-Boundary Protection for Adversarial Industrial IoT Environment. IEEE Internet of Things Journal, 2021, 8, 9611-9621.	8.7	34
115	A path- and label-cost propagation approach to speedup the training of the optimum-path forest classifier. Pattern Recognition Letters, 2014, 40, 121-127.	4.2	32
116	Trustful Internet of Surveillance Things Based on Deeply Represented Visual Co-Saliency Detection. IEEE Internet of Things Journal, 2020, 7, 4092-4100.	8.7	32
117	Computer-assisted Parkinson's disease diagnosis using fuzzy optimum- path forest and Restricted Boltzmann Machines. Computers in Biology and Medicine, 2021, 131, 104260.	7.0	32
118	pSnakes: A new radial active contour model and its application in the segmentation of the left ventricle from echocardiographic images. Computer Methods and Programs in Biomedicine, 2014, 116, 260-273.	4.7	31
119	A novel Vickers hardness measurement technique based on Adaptive Balloon Active Contour Method. Expert Systems With Applications, 2016, 45, 294-306.	7.6	31
120	A new effective and powerful medical image segmentation algorithm based on optimum path snakes. Applied Soft Computing Journal, 2019, 76, 649-670.	7.2	31
121	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.	9.8	31
122	Artificial intelligence techniques empowered edge-cloud architecture for brain CT image analysis. Engineering Applications of Artificial Intelligence, 2020, 91, 103585.	8.1	31
123	Link Optimization in Software Defined IoV Driven Autonomous Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3511-3520.	8.0	31
124	Thermal aging effects on the microstructure of Nb-bearing nickel based superalloy weld overlays using ultrasound techniques. Materials & Design, 2012, 36, 337-347.	5.1	30
125	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. IEEE Internet of Things Journal, 2021, 8, 9634-9644.	8.7	30
126	Machine Learning Algorithms for Automatic Classification of Marmoset Vocalizations. PLoS ONE, 2016, 11, e0163041.	2.5	30

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127	Industrial Pervasive Edge Computing-Based Intelligence IoT for Surveillance Saliency Detection. IEEE Transactions on Industrial Informatics, 2021, 17, 5012-5020.	11.3	29
128	Automated recognition of lung diseases in CT images based on the optimum-path forest classifier. Neural Computing and Applications, 2019, 31, 901-914.	5.6	28
129	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.	9.5	28
130	Comparison of RSM, ANN and Fuzzy Logic for extraction of Oleonolic Acid from Ocimum sanctum. Computers in Industry, 2020, 117, 103200.	9.9	28
131	Toward ML-Based Energy-Efficient Mechanism for 6G Enabled Industrial Network in Box Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7185-7192.	11.3	28
132	Using multimodal learning analytics to study collaboration on discussion groups. Universal Access in the Information Society, 2019, 18, 633-643.	3.0	27
133	Multi-Kernel Coupled Projections for Domain Adaptive Dictionary Learning. IEEE Transactions on Multimedia, 2019, 21, 2292-2304.	7.2	27
134	Automatic quantification of spheroidal graphite nodules using computer vision techniques. Journal of Supercomputing, 2020, 76, 1212-1225.	3.6	26
135	IoT-Based Smart Health System for Ambulatory Maternal and Fetal Monitoring. IEEE Internet of Things Journal, 2021, 8, 16814-16824.	8.7	26
136	Energy-Efficient Monitoring of Fire Scenes for Intelligent Networks. IEEE Network, 2020, 34, 108-115.	6.9	26
137	A multi-objective artificial butterfly optimization approach for feature selection. Applied Soft Computing Journal, 2020, 94, 106442.	7.2	26
138	Internet of Water Things: A Remote Raw Water Monitoring and Control System. IEEE Access, 2021, 9, 35790-35800.	4.2	26
139	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. Information Fusion, 2021, 71, 64-76.	19.1	26
140	EdgeFireSmoke: A Novel Lightweight CNN Model for Real-Time Video Fireâ€“Smoke Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 7889-7898.	11.3	26
141	Explainable artificial intelligence-based edge fuzzy images for COVID-19 detection and identification. Applied Soft Computing Journal, 2022, 123, 108966.	7.2	26
142	A reliable approach for detection of incipient faults of short-circuits in induction generators using machine learning. Computers and Electrical Engineering, 2018, 71, 440-451.	4.8	25
143	A novel transfer learning approach for the classification of histological images of colorectal cancer. Journal of Supercomputing, 2021, 77, 9494-9519.	3.6	25
144	Grain size and temperature influence on the toughness of a CuAlBe shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 459-466.	5.6	24

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145	An augmented reality-supported mobile application for diagnosis of heart diseases. Journal of Supercomputing, 2020, 76, 1242-1267.	3.6	24
146	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.	4.7	24
147	Emerging Drone Trends for Blockchain-Based 5G Networks: Open Issues and Future Perspectives. IEEE Network, 2021, 35, 38-43.	6.9	24
148	Quantification of the microstructures of hypoeutectic white cast iron using mathematical morphology and an artificial neural network. International Journal of Microstructure and Materials Properties, 2010, 5, 52.	0.1	23
149	New computational solution to quantify synthetic material porosity from optical microscopic images. Journal of Microscopy, 2010, 240, 50-59.	1.8	23
150	Nondestructive Characterization and Evaluation of Embrittlement Kinetics and Elastic Constants of Duplex Stainless Steel SAF 2205 for Different Aging Times at 425Â°C and 475Â°C. Journal of Nondestructive Evaluation, 2011, 30, 130-136.	2.4	23
151	Control of singularity trajectory tracking for robotic manipulator by genetic algorithms. Journal of Computational Science, 2019, 30, 55-64.	2.9	23
152	Nonlinear characterization and complexity analysis of cardiotocographic examinations using entropy measures. Journal of Supercomputing, 2020, 76, 1305-1320.	3.6	23
153	Heart Arrhythmia Classification Based on Statistical Moments and Structural Co-occurrence. Circuits, Systems, and Signal Processing, 2020, 39, 631-650.	2.0	23
154	Automatic Neuroimage Processing and Analysis in Strokeâ€”A Systematic Review. IEEE Reviews in Biomedical Engineering, 2020, 13, 130-155.	18.0	23
155	DCAVN: Cervical cancer prediction and classification using deep convolutional and variational autoencoder network. Multimedia Tools and Applications, 2021, 80, 30399-30415.	3.9	23
156	Tool Effects on Hybrid Laminates Drilling. Materials and Manufacturing Processes, 2010, 25, 476-481.	4.7	22
157	Ultrasonic Sensor Signals and Optimum Path Forest Classifier for the Microstructural Characterization of Thermally-Aged Inconel 625 Alloy. Sensors, 2015, 15, 12474-12497.	3.8	22
158	Automatic Cardiotocography Diagnostic System Based on Hilbert Transform and Adaptive Threshold Technique. IEEE Access, 2019, 7, 73085-73094.	4.2	22
159	An intelligent system for complex violence pattern analysis and detection. International Journal of Intelligent Systems, 2022, 37, 10400-10422.	5.7	22
160	A New Method for Automatic Vehicle License Plate Detection. IEEE Latin America Transactions, 2017, 15, 75-80.	1.6	21
161	Evaluation of the Alzheimerâ€™s disease clinical stages under the optics of hybrid approaches in Verbal Decision Analysis. Telematics and Informatics, 2018, 35, 776-789.	5.8	21
162	A new approach for mobile robot localization based on an online IoT system. Future Generation Computer Systems, 2019, 100, 859-881.	7.5	21

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163	Internet of Things Based on Electronic and Mobile Health Systems for Blood Glucose Continuous Monitoring and Management. IEEE Access, 2019, 7, 175116-175125.	4.2	21
164	Adaptive optimal multi key based encryption for digital image security. Concurrency Computation Practice and Experience, 2020, 32, e5122.	2.2	21
165	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.	5.6	21
166	Unified model for interpreting multi-view echocardiographic sequences without temporal information. Applied Soft Computing Journal, 2020, 88, 106049.	7.2	21
167	In.IoTâ€"A New Middleware for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 7902-7911.	8.7	21
168	Active Balancing Mechanism for Imbalanced Medical Data in Deep Learningâ€"Based Classification Models. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-15.	4.3	21
169	Energy Efficient Management of Pipelines in Buildings Using Linear Wireless Sensor Networks. Sensors, 2018, 18, 2618.	3.8	20
170	Dynamic Evaluation and Treatment of the Movement Amplitude Using Kinect Sensor. IEEE Access, 2018, 6, 17292-17305.	4.2	20
171	Robot-assisted therapy for rehabilitation of children with cerebral palsy - A complementary and alternative approach. Computers in Human Behavior, 2019, 100, 152-167.	8.5	20
172	New level set approach based on Parzen estimation for stroke segmentation in skull CT images. Soft Computing, 2019, 23, 9265-9286.	3.6	20
173	An IoT platform for the analysis of brain CT images based on Parzen analysis. Future Generation Computer Systems, 2020, 105, 135-147.	7.5	20
174	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.	4.2	20
175	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. IEEE Sensors Journal, 2021, 21, 17469-17478.	4.7	20
176	MFFusion: A Multi-level Features Fusion Model for Malicious Traffic Detection based on Deep Learning. Computer Networks, 2022, 202, 108658.	5.1	20
177	Drilling Delamination Outcomes on Glass and Sisal Reinforced Plastics. Materials Science Forum, 0, 730-732, 301-306.	0.3	19
178	A novel mobile robot localization approach based on classification with rejection option using computer vision. Computers and Electrical Engineering, 2018, 68, 26-43.	4.8	19
179	A new fast morphological geodesic active contour method for lung CT image segmentation. Measurement: Journal of the International Measurement Confederation, 2019, 148, 106687.	5.0	19
180	Artificial plant optimization algorithm to detect infected leaves using machine learning. Expert Systems, 2021, 38, e12501.	4.5	19

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181	Fast fully automatic heart fat segmentation in computed tomography datasets. Computerized Medical Imaging and Graphics, 2020, 80, 101674.	5.8	19
182	Effect of nonmetallic inclusion and banding on the success of the two-layer temper bead welding technique. Materials & Design, 2009, 30, 1068-1074.	5.1	18
183	Deploying wireless sensor networksâ€“based smart grid for smart meters monitoring and control. International Journal of Communication Systems, 2018, 31, e3557.	2.5	18
184	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
185	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.	3.5	18
186	Classification of Induced Magnetic Field Signals for the Microstructural Characterization of Sigma Phase in Duplex Stainless Steels. Metals, 2016, 6, 164.	2.3	17
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