

Victor Hugo C De Albuquerque

List of Publications by Year in descending order

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335
papers

15,104
citations

13818

67
h-index

28909

105
g-index

357
all docs

357
docs citations

357
times ranked

16601
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.	2.6	482
2	Performance Analysis of Google Colaboratory as a Tool for Accelerating Deep Learning Applications. IEEE Access, 2018, 6, 61677-61685.	4.4	387
3	Internet of Things: A survey on machine learning-based intrusion detection approaches. Computer Networks, 2019, 151, 147-157.	5.5	363
4	Enabling Technologies for the Internet of Health Things. IEEE Access, 2018, 6, 13129-13141.	4.4	314
5	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.	12.6	240
6	A new fusion of grey wolf optimizer algorithm with a two-phase mutation for feature selection. Expert Systems With Applications, 2020, 139, 112824.	7.9	231
7	Artificial Intelligence-Driven Mechanism for Edge Computing-Based Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 4235-4243.	12.1	230
8	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	8.4	229
9	Drilling tool geometry evaluation for reinforced composite laminates. Composite Structures, 2010, 92, 1545-1550.	5.9	226
10	Human Memory Update Strategy: A Multi-Layer Template Update Mechanism for Remote Visual Monitoring. IEEE Transactions on Multimedia, 2021, 23, 2188-2198.	7.9	222
11	Efficient supervised optimum-path forest classification for large datasets. Pattern Recognition, 2012, 45, 512-520.	8.5	212
12	A Reference Model for Internet of Things Middleware. IEEE Internet of Things Journal, 2018, 5, 871-883.	9.3	210
13	Advances in Photoplethysmography Signal Analysis for Biomedical Applications. Sensors, 2018, 18, 1894.	4.0	207
14	Automatic detection of COVID-19 infection using chest X-ray images through transfer learning. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 239-248.	13.9	201
15	Automatic 3D pulmonary nodule detection in CT images: A survey. Computer Methods and Programs in Biomedicine, 2016, 124, 91-107.	4.9	189
16	Multiobjective 3-D Topology Optimization of Next-Generation Wireless Data Center Network. IEEE Transactions on Industrial Informatics, 2020, 16, 3597-3605.	12.1	183
17	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.	3.0	178
18	Detecting Parkinson's disease with sustained phonation and speech signals using machine learning techniques. Pattern Recognition Letters, 2019, 125, 55-62.	4.5	168

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19	Optimized cuttlefish algorithm for diagnosis of Parkinson's disease. Cognitive Systems Research, 2018, 52, 36-48.	3.0	161
20	Adapting weather conditions-based IoT enabled smart irrigation technique in precision agriculture mechanisms. Neural Computing and Applications, 2019, 31, 277-292.	5.7	160
21	ECG arrhythmia classification based on optimum-path forest. Expert Systems With Applications, 2013, 40, 3561-3573.	7.9	152
22	Improved diagnosis of Parkinson's disease using optimized crow search algorithm. Computers and Electrical Engineering, 2018, 68, 412-424.	5.2	152
23	Towards an optimal resource management for IoT based Green and sustainable smart cities. Journal of Cleaner Production, 2019, 220, 1167-1179.	9.5	151
24	Energy-Efficient Deep CNN for Smoke Detection in Foggy IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9237-9245.	9.3	145
25	Human action recognition using attention based LSTM network with dilated CNN features. Future Generation Computer Systems, 2021, 125, 820-830.	8.0	145
26	Activity Recognition Using Temporal Optical Flow Convolutional Features and Multilayer LSTM. IEEE Transactions on Industrial Electronics, 2019, 66, 9692-9702.	8.2	133
27	Seasonal Crops Disease Prediction and Classification Using Deep Convolutional Encoder Network. Circuits, Systems, and Signal Processing, 2020, 39, 818-836.	2.1	129
28	A Smart Waste Management Solution Geared towards Citizens. Sensors, 2020, 20, 2380.	4.0	127
29	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.	3.7	115
30	Fully automatic model-based segmentation and classification approach for MRI brain tumor using artificial neural networks. Concurrency Computation Practice and Experience, 2020, 32, e4962.	2.2	112
31	A novel electrocardiogram feature extraction approach for cardiac arrhythmia classification. Future Generation Computer Systems, 2019, 97, 564-577.	8.0	108
32	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. IEEE Transactions on Industrial Informatics, 2020, 16, 77-86.	12.1	107
33	Effective Features to Classify Big Data Using Social Internet of Things. IEEE Access, 2018, 6, 24196-24204.	4.4	105
34	A survey on computer-assisted Parkinson's Disease diagnosis. Artificial Intelligence in Medicine, 2019, 95, 48-63.	6.7	105
35	An Automated Remote Cloud-Based Heart Rate Variability Monitoring System. IEEE Access, 2018, 6, 77055-77064.	4.4	103
36	Novel and powerful 3D adaptive crisp active contour method applied in the segmentation of CT lung images. Medical Image Analysis, 2017, 35, 503-516.	11.8	102

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37	Multi-Class Skin Lesion Detection and Classification via Teledermatology. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4267-4275.	6.9	102
38	Detection of subtype blood cells using deep learning. Cognitive Systems Research, 2018, 52, 1036-1044.	3.0	101
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.	19.9	100
40	Deep learning IoT system for online stroke detection in skull computed tomography images. Computer Networks, 2019, 152, 25-39.	5.5	99
41	Reliability of response region: A novel mechanism in visual tracking by edge computing for IIoT environments. Mechanical Systems and Signal Processing, 2020, 138, 106537.	8.2	99
42	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.	3.8	96
43	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 1067-1075.	12.1	95
44	MAC Layer Protocols for Internet of Things: A Survey. Future Internet, 2019, 11, 16.	4.1	94
45	A recurrence plot-based approach for Parkinson's disease identification. Future Generation Computer Systems, 2019, 94, 282-292.	8.0	94
46	Enabling Technologies on Cloud of Things for Smart Healthcare. IEEE Access, 2018, 6, 31950-31967.	4.4	91
47	A comprehensive survey of multi-view video summarization. Pattern Recognition, 2021, 109, 107567.	8.5	91
48	Motor Activity Increases Tryptophan, 5-Hydroxyindoleacetic Acid, and Homovanillic Acid in Ventricular Cerebrospinal Fluid of the Conscious Rat. Journal of Neurochemistry, 1986, 46, 1313-1316.	4.0	90
49	Drilling Damage in Composite Material. Materials, 2014, 7, 3802-3819.	3.0	90
50	Damage evaluation of drilled carbon/epoxy laminates based on area assessment methods. Composite Structures, 2013, 96, 576-583.	5.9	89
51	EEG signal classification for epilepsy diagnosis via optimum path forest – A systematic assessment. Neurocomputing, 2014, 136, 103-123.	6.2	89
52	A Novel Monitoring System for Fall Detection in Older People. IEEE Access, 2018, 6, 43563-43574.	4.4	89
53	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.	8.0	87
54	A novel cluster head selection technique for edge-computing based IoMT systems. Computer Networks, 2019, 158, 114-122.	5.5	86

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55	Learning physical properties in complex visual scenes: An intelligent machine for perceiving blood flow dynamics from static CT angiography imaging. <i>Neural Networks</i> , 2020, 123, 82-93.	6.4	82
56	Cost-Effective Video Summarization Using Deep CNN With Hierarchical Weighted Fusion for IoT Surveillance Networks. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4455-4463.	9.3	82
57	Evaluation of Delamination Damage on Composite Plates using an Artificial Neural Network for the Radiographic Image Analysis. <i>Journal of Composite Materials</i> , 2010, 44, 1139-1159.	2.4	80
58	Light-DehazeNet: A Novel Lightweight CNN Architecture for Single Image Dehazing. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8968-8982.	10.2	80
59	Health of Things Algorithms for Malignancy Level Classification of Lung Nodules. <i>IEEE Access</i> , 2018, 6, 18592-18601.	4.4	79
60	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. <i>Expert Systems With Applications</i> , 2021, 182, 115125.	7.9	79
61	A new solution for automatic microstructures analysis from images based on a backpropagation artificial neural network. <i>Nondestructive Testing and Evaluation</i> , 2008, 23, 273-283.	2.2	77
62	Optimized Binary Bat algorithm for classification of white blood cells. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 143, 180-190.	5.1	76
63	Efficient Security and Authentication for Edge-Based Internet of Medical Things. <i>IEEE Internet of Things Journal</i> , 2021, 8, 15652-15662.	9.3	74
64	Artificial Intelligence based QoS optimization for multimedia communication in IoV systems. <i>Future Generation Computer Systems</i> , 2019, 95, 667-680.	8.0	74
65	An Open IoHT-Based Deep Learning Framework for Online Medical Image Recognition. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 541-548.	15.9	73
66	Analysis of human tissue densities: A new approach to extract features from medical images. <i>Pattern Recognition Letters</i> , 2017, 94, 211-218.	4.5	65
67	DeepReS: A Deep Learning-Based Video Summarization Strategy for Resource-Constrained Industrial Surveillance Scenarios. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 5938-5947.	12.1	65
68	Salient Object Detection in the Distributed Cloud-Edge Intelligent Network. <i>IEEE Network</i> , 2020, 34, 216-224.	7.8	65
69	Human Short Long-Term Cognitive Memory Mechanism for Visual Monitoring in IoT-Assisted Smart Cities. <i>IEEE Internet of Things Journal</i> , 2022, 9, 7128-7139.	9.3	64
70	Computation Offloading for Vehicular Environments: A Survey. <i>IEEE Access</i> , 2020, 8, 198214-198243.	4.4	63
71	Computing Paradigms in Emerging Vehicular Environments: A Review. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 491-511.	13.9	63
72	Nondestructive characterization of microstructures and determination of elastic properties in plain carbon steel using ultrasonic measurements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 4431-4437.	5.6	61

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73	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2592-2602.	12.1	61
74	AI-Assisted Edge Vision for Violence Detection in IoT-Based Industrial Surveillance Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 5359-5370.	12.1	61
75	Novel Adaptive Balloon Active Contour Method based on internal force for image segmentation " A systematic evaluation on synthetic and real images. Expert Systems With Applications, 2014, 41, 7707-7721.	7.9	60
76	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.	9.5	59
77	METO: Matching-Theory-Based Efficient Task Offloading in IoT-Fog Interconnection Networks. IEEE Internet of Things Journal, 2021, 8, 12705-12715.	9.3	56
78	Robust automated cardiac arrhythmia detection in ECG beat signals. Neural Computing and Applications, 2018, 29, 679-693.	5.7	55
79	Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms From Big Data Repositories. IEEE Internet of Things Journal, 2019, 6, 9246-9255.	9.3	54
80	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5223-5231.	8.4	54
81	Computer techniques towards the automatic characterization of graphite particles in metallographic images of industrial materials. Expert Systems With Applications, 2013, 40, 590-597.	7.9	52
82	Industrial Internet-of-Things Security Enhanced With Deep Learning Approaches for Smart Cities. IEEE Internet of Things Journal, 2021, 8, 6393-6405.	9.3	51
83	COVID-19 lockdowns" effects on the quality of life, perceived health and well-being of healthy elderly individuals: A longitudinal comparison of pre-lockdown and lockdown states of well-being. Archives of Gerontology and Geriatrics, 2022, 99, 104606.	3.1	51
84	Cold deformation effect on the microstructures and mechanical properties of AISI 301LN and 316L stainless steels. Materials & Design, 2011, 32, 605-614.	5.1	50
85	Intelligent Network Security Monitoring Based on Optimum-Path Forest Clustering. IEEE Network, 2019, 33, 126-131.	7.8	50
86	Localization and Navigation for Autonomous Mobile Robots Using Petri Nets in Indoor Environments. IEEE Access, 2018, 6, 31665-31676.	4.4	48
87	Classification of EEG signals to detect alcoholism using machine learning techniques. Pattern Recognition Letters, 2019, 125, 140-149.	4.5	47
88	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	46
89	Computer-aided autism diagnosis via second-order difference plot area applied to EEG empirical mode decomposition. Neural Computing and Applications, 2020, 32, 10947-10956.	5.7	46
90	A New Design of Mamdani Complex Fuzzy Inference System for Multiattribute Decision Making Problems. IEEE Transactions on Fuzzy Systems, 2021, 29, 716-730.	10.5	46

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91	Phase transformations evaluation on a UNS S31803 duplex stainless steel based on nondestructive testing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 516, 126-130.	5.6	45
92	Ranking Analysis for Online Customer Reviews of Products Using Opinion Mining with Clustering. <i>Complexity</i> , 2018, 2018, 1-9.	1.7	45
93	Locally GAN-generated face detection based on an improved Xception. <i>Information Sciences</i> , 2021, 572, 16-28.	7.2	45
94	A novel mobile robot localization approach based on topological maps using classification with reject option in omnidirectional images. <i>Expert Systems With Applications</i> , 2017, 72, 1-17.	7.9	44
95	Evolutionary algorithms for automatic lung disease detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 140, 590-608.	5.1	44
96	Evaluation of grain refiners influence on the mechanical properties in a CuAlBe shape memory alloy by ultrasonic and mechanical tensile testing. <i>Materials & Design</i> , 2010, 31, 3275-3281.	5.1	43
97	Analysis of Man-Machine Interfaces in Upper-Limb Prosthesis: A Review. <i>Robotics</i> , 2019, 8, 16.	3.7	43
98	Mobility Enabled Security for Optimizing IoT based Intelligent Applications. <i>IEEE Network</i> , 2020, 34, 72-77.	7.8	43
99	Human Inertial Thinking Strategy: A Novel Fuzzy Reasoning Mechanism for IoT-Assisted Visual Monitoring. <i>IEEE Internet of Things Journal</i> , 2023, 10, 3735-3748.	9.3	43
100	Spinodal decomposition mechanism study on the duplex stainless steel UNS S31803 using ultrasonic speed measurements. <i>Materials & Design</i> , 2010, 31, 2147-2150.	5.1	42
101	Brazilian vehicle identification using a new embedded plate recognition system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 70, 36-46.	5.1	40
102	Automatic histologically-closer classification of skin lesions. <i>Computerized Medical Imaging and Graphics</i> , 2018, 68, 40-54.	6.1	40
103	EdgeFireSmoke: A Novel Lightweight CNN Model for Real-Time Video Fire "Smoke Detection. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 7889-7898.	12.1	40
104	Sleep-disordered breathing in C57BL/6J mice with diet-induced obesity. <i>Sleep</i> , 2018, 41, .	1.1	39
105	Vision-Based Semantic Segmentation in Scene Understanding for Autonomous Driving: Recent Achievements, Challenges, and Outlooks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 22694-22715.	8.4	39
106	Automatic evaluation of nickel alloy secondary phases from SEM images. <i>Microscopy Research and Technique</i> , 2011, 74, 36-46.	2.3	38
107	Industrial Cyber-Physical Systems-Based Cloud IoT Edge for Federated Heterogeneous Distillation. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5511-5521.	12.1	38
108	A Robust Deep-Learning-Enabled Trust-Boundary Protection for Adversarial Industrial IoT Environment. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9611-9621.	9.3	38

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109	Comparative analysis of drills for composite laminates. Journal of Composite Materials, 2012, 46, 1649-1659.	2.4	37
110	Automatic microstructural characterization and classification using artificial intelligence techniques on ultrasound signals. Expert Systems With Applications, 2013, 40, 3096-3105.	7.9	37
111	Handwritten pattern recognition for early Parkinson's disease diagnosis. Pattern Recognition Letters, 2019, 125, 78-84.	4.5	37
112	Novel Virtual Environment for Alternative Treatment of Children with Cerebral Palsy. Computational Intelligence and Neuroscience, 2016, 2016, 1-10.	1.8	36
113	Reducing the Schizophrenia Stigma: A New Approach Based on Augmented Reality. Computational Intelligence and Neuroscience, 2017, 2017, 1-10.	1.8	36
114	Trustful Internet of Surveillance Things Based on Deeply Represented Visual Co-Saliency Detection. IEEE Internet of Things Journal, 2020, 7, 4092-4100.	9.3	35
115	IoT-Based Smart Health System for Ambulatory Maternal and Fetal Monitoring. IEEE Internet of Things Journal, 2021, 8, 16814-16824.	9.3	35
116	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.	4.8	35
117	Comparison of RSM, ANN and Fuzzy Logic for extraction of Oleonic Acid from Ocimum sanctum. Computers in Industry, 2020, 117, 103200.	10.2	35
118	Toward ML-Based Energy-Efficient Mechanism for 6G Enabled Industrial Network in Box Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 7185-7192.	12.1	35
119	An intelligent system for complex violence pattern analysis and detection. International Journal of Intelligent Systems, 2022, 37, 10400-10422.	5.8	35
120	A proposal for bridging application layer protocols to HTTP on IoT solutions. Future Generation Computer Systems, 2019, 97, 145-152.	8.0	34
121	A new effective and powerful medical image segmentation algorithm based on optimum path snakes. Applied Soft Computing Journal, 2019, 76, 649-670.	7.4	34
122	Artificial intelligence techniques empowered edge-cloud architecture for brain CT image analysis. Engineering Applications of Artificial Intelligence, 2020, 91, 103585.	8.3	34
123	Link Optimization in Software Defined IoV Driven Autonomous Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3511-3520.	8.4	34
124	Machine Learning Algorithms for Automatic Classification of Marmoset Vocalizations. PLoS ONE, 2016, 11, e0163041.	2.5	34
125	Novel Incremental Algorithms for Attribute Reduction From Dynamic Decision Tables Using Hybrid Filter Wrapper With Fuzzy Partition Distance. IEEE Transactions on Fuzzy Systems, 2020, 28, 858-873.	10.5	33
126	A multi-objective artificial butterfly optimization approach for feature selection. Applied Soft Computing Journal, 2020, 94, 106442.	7.4	33

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127	Computer-assisted Parkinson's disease diagnosis using fuzzy optimum- path forest and Restricted Boltzmann Machines. Computers in Biology and Medicine, 2021, 131, 104260.	7.3	33
128	A path- and label-cost propagation approach to speedup the training of the optimum-path forest classifier. Pattern Recognition Letters, 2014, 40, 121-127.	4.5	32
129	Industrial Pervasive Edge Computing-Based Intelligence IoT for Surveillance Saliency Detection. IEEE Transactions on Industrial Informatics, 2021, 17, 5012-5020.	12.1	32
130	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. IEEE Internet of Things Journal, 2021, 8, 9634-9644.	9.3	32
131	A novel transfer learning approach for the classification of histological images of colorectal cancer. Journal of Supercomputing, 2021, 77, 9494-9519.	3.7	32
132	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.	4.9	31
133	A novel Vickers hardness measurement technique based on Adaptive Balloon Active Contour Method. Expert Systems With Applications, 2016, 45, 294-306.	7.9	31
134	Internet of Water Things: A Remote Raw Water Monitoring and Control System. IEEE Access, 2021, 9, 35790-35800.	4.4	31
135	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
136	Using multimodal learning analytics to study collaboration on discussion groups. Universal Access in the Information Society, 2019, 18, 633-643.	2.9	30
137	DCAVN: Cervical cancer prediction and classification using deep convolutional and variational autoencoder network. Multimedia Tools and Applications, 2021, 80, 30399-30415.	4.2	30
138	Explainable artificial intelligence-based edge fuzzy images for COVID-19 detection and identification. Applied Soft Computing Journal, 2022, 123, 108966.	7.4	30
139	Automated recognition of lung diseases in CT images based on the optimum-path forest classifier. Neural Computing and Applications, 2019, 31, 901-914.	5.7	29
140	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.	10.1	29
141	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.	5.2	28
142	An augmented reality-supported mobile application for diagnosis of heart diseases. Journal of Supercomputing, 2020, 76, 1242-1267.	3.7	28
143	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. Information Fusion, 2021, 71, 64-76.	19.9	28
144	MFFusion: A Multi-level Features Fusion Model for Malicious Traffic Detection based on Deep Learning. Computer Networks, 2022, 202, 108658.	5.5	28

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145	Grain size and temperature influence on the toughness of a CuAlBe shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 528, 459-466.	5.6	27
146	Control of singularity trajectory tracking for robotic manipulator by genetic algorithms. <i>Journal of Computational Science</i> , 2019, 30, 55-64.	3.0	27
147	Emerging Drone Trends for Blockchain-Based 5G Networks: Open Issues and Future Perspectives. <i>IEEE Network</i> , 2021, 35, 38-43.	7.8	27
148	Automatic quantification of spheroidal graphite nodules using computer vision techniques. <i>Journal of Supercomputing</i> , 2020, 76, 1212-1225.	3.7	26
149	Energy-Efficient Monitoring of Fire Scenes for Intelligent Networks. <i>IEEE Network</i> , 2020, 34, 108-115.	7.8	26
150	Quantification of the microstructures of hypoeutectic white cast iron using mathematical morphology and an artificial neural network. <i>International Journal of Microstructure and Materials Properties</i> , 2010, 5, 52.	0.1	25
151	Automatic Cardiocography Diagnostic System Based on Hilbert Transform and Adaptive Threshold Technique. <i>IEEE Access</i> , 2019, 7, 73085-73094.	4.4	25
152	Heart Arrhythmia Classification Based on Statistical Moments and Structural Co-occurrence. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 631-650.	2.1	25
153	Active Balancing Mechanism for Imbalanced Medical Data in Deep Learning-Based Classification Models. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020, 16, 1-15.	4.5	25
154	Nondestructive Characterization and Evaluation of Embrittlement Kinetics and Elastic Constants of Duplex Stainless Steel SAF 2205 for Different Aging Times at 425°C and 475°C. <i>Journal of Nondestructive Evaluation</i> , 2011, 30, 130-136.	2.4	24
155	A new approach for mobile robot localization based on an online IoT system. <i>Future Generation Computer Systems</i> , 2019, 100, 859-881.	8.0	24
156	Internet of Things Based on Electronic and Mobile Health Systems for Blood Glucose Continuous Monitoring and Management. <i>IEEE Access</i> , 2019, 7, 175116-175125.	4.4	24
157	Nonlinear characterization and complexity analysis of cardiocographic examinations using entropy measures. <i>Journal of Supercomputing</i> , 2020, 76, 1305-1320.	3.7	24
158	Automatic Neuroimage Processing and Analysis in Stroke—A Systematic Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2020, 13, 130-155.	18.2	24
159	Tool Effects on Hybrid Laminates Drilling. <i>Materials and Manufacturing Processes</i> , 2010, 25, 476-481.	4.7	23
160	Unified model for interpreting multi-view echocardiographic sequences without temporal information. <i>Applied Soft Computing Journal</i> , 2020, 88, 106049.	7.4	23
161	In.Io—A New Middleware for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021, 8, 7902-7911.	9.3	23
162	HIPS/γ-irradiated UHMWPE/carbon black blends: Structuring and enhancement of mechanical properties. <i>Journal of Applied Polymer Science</i> , 1999, 74, 1731-1744.	2.7	22

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163	Ultrasonic Sensor Signals and Optimum Path Forest Classifier for the Microstructural Characterization of Thermally-Aged Inconel 625 Alloy. <i>Sensors</i> , 2015, 15, 12474-12497.	4.0	22
164	Evaluation of the Alzheimer's disease clinical stages under the optics of hybrid approaches in Verbal Decision Analysis. <i>Telematics and Informatics</i> , 2018, 35, 776-789.	6.3	22
165	Adaptive optimal multi key based encryption for digital image security. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5122.	2.2	22
166	An IoT platform for the analysis of brain CT images based on Parzen analysis. <i>Future Generation Computer Systems</i> , 2020, 105, 135-147.	8.0	22
167	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. <i>IEEE Sensors Journal</i> , 2021, 21, 17469-17478.	4.8	22
168	A New Method for Automatic Vehicle License Plate Detection. <i>IEEE Latin America Transactions</i> , 2017, 15, 75-80.	1.8	21
169	Automatic Classifying of Patients With Non-Traumatic Fractures Based on Ultrasonic Guided Wave Spectrum Image Using a Dynamic Support Vector Machine. <i>IEEE Access</i> , 2020, 8, 194752-194764.	4.4	21
170	A new approach for the detection of pneumonia in children using CXR images based on an real-time IoT system. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1099-1114.	3.5	21
171	Drilling Delamination Outcomes on Glass and Sisal Reinforced Plastics. <i>Materials Science Forum</i> , 0, 730-732, 301-306.	0.2	20
172	Energy Efficient Management of Pipelines in Buildings Using Linear Wireless Sensor Networks. <i>Sensors</i> , 2018, 18, 2618.	4.0	20
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