

# 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	Personalized and adaptive neural networks for pain detection from multi-modal physiological features. Expert Systems With Applications, 2024, 235, 121082.	7.9	4
2	Constructing Bodily Emotion Maps Based on High-Density Body Surface Potentials for Psychophysiological Computing. IEEE Journal of Biomedical and Health Informatics, 2024, 28, 2500-2511.	6.9	1
3	A novel teacher-student hierarchical approach for learning primitive information. Expert Systems With Applications, 2024, 246, 123129.	7.9	0
4	Implementing the confidence constraint cloud-edge collaborative computing strategy for ultra-efficient arrhythmia monitoring. Applied Soft Computing Journal, 2024, 154, 111402.	7.4	0
5	Explainable Artificial Intelligence for Drug Discovery and Development: A Comprehensive Survey. IEEE Access, 2024, 12, 35796-35812.	4.4	4
6	Spatiotemporal correlation based self-adaptive pose estimation in complex scenes. Digital Communications and Networks, 2024, , .	6.0	1
7	Conditional generative adversarial network driven variable-duration single-lead to 12-lead electrocardiogram reconstruction. Biomedical Signal Processing and Control, 2024, 95, 106377.	5.9	0
8	Unsupervised physics-informed deep learning for assessing pulmonary artery hemodynamics. Expert Systems With Applications, 2024, , 125079.	7.9	0
9	Detecting the Sigma Phase in Duplex Stainless Steel by Magnetic Noise and First Harmonic Analysis. Materials, 2024, 17, 4561.	3.0	0
10	Deep learning-based multidimensional feature fusion for classification of ECG arrhythmia. Neural Computing and Applications, 2023, 35, 16073-16087.	5.7	19
11	AI-Driven Salient Soccer Events Recognition Framework for Next-Generation IoT-Enabled Environments. IEEE Internet of Things Journal, 2023, 10, 2202-2214.	9.3	8
12	Deepview: Deep-Learning-Based Users Field of View Selection in 360° Videos for Industrial Environments. IEEE Internet of Things Journal, 2023, 10, 2903-2912.	9.3	3
13	Hybrid feature fusion for classification optimization of short ECG segment in IoT based intelligent healthcare system. Neural Computing and Applications, 2023, 35, 22823-22837.	5.7	9
14	Human Inertial Thinking Strategy: A Novel Fuzzy Reasoning Mechanism for IoT-Assisted Visual Monitoring. IEEE Internet of Things Journal, 2023, 10, 3735-3748.	9.3	43
15	A Compressed Unsupervised Deep Domain Adaptation Model for Efficient Cross-Domain Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2023, 19, 6741-6749.	12.1	11
16	Development of intelligent and integrated technology for pattern recognition in <sc>EMG</sc> signals for robotic prosthesis command. Expert Systems, 2023, 40, .	4.5	1
17	Deep Learning Assists Surveillance Experts: Toward Video Data Prioritization. IEEE Transactions on Industrial Informatics, 2023, 19, 7946-7956.	12.1	1
18	Implementing ultra-lightweight co-inference model in ubiquitous edge device for atrial fibrillation detection. Expert Systems With Applications, 2023, 216, 119407.	7.9	7

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19	ECG Measurement Uncertainty Based on Monte Carlo Approach: An Effective Analysis for a Successful Cardiac Health Monitoring System. <i>Bioengineering</i> , 2023, 10, 115.	3.6	3
20	A Physics-Guided Deep Learning Approach for Functional Assessment of Cardiovascular Disease in IoT-Based Smart Health. <i>IEEE Internet of Things Journal</i> , 2023, 10, 18505-18516.	9.3	18
21	EdgeFireSmoke++: A novel lightweight algorithm for real-time forest fire detection and visualization using internet of things-human machine interface. <i>Expert Systems With Applications</i> , 2023, 221, 119747.	7.9	9
22	Computer-Aided Ankle Ligament Injury Diagnosis from Magnetic Resonance Images Using Machine Learning Techniques. <i>Sensors</i> , 2023, 23, 1565.	4.0	2
23	Efficient Person Reidentification for IoT-Assisted Cyber-Physical Systems. <i>IEEE Internet of Things Journal</i> , 2023, 10, 18695-18707.	9.3	4
24	Learning surgical skills under the RCM constraint from demonstrations in robot-assisted minimally invasive surgery. <i>Expert Systems With Applications</i> , 2023, 225, 120134.	7.9	1
25	Automatic COVID-19 and Common-Acquired Pneumonia Diagnosis Using Chest CT Scans. <i>Bioengineering</i> , 2023, 10, 529.	3.6	2
26	A New Generative Model for Textual Descriptions of Medical Images Using Transformers Enhanced with Convolutional Neural Networks. <i>Bioengineering</i> , 2023, 10, 1098.	3.6	0
27	A Novel Algorithmic Structure of EEG Channel Attention Combined With Swin Transformer for Motor Patterns Classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2023, 31, 3132-3141.	5.0	5
28	AD-Graph: Weakly Supervised Anomaly Detection Graph Neural Network. <i>International Journal of Intelligent Systems</i> , 2023, 2023, 1-12.	5.8	3
29	Genomics for Sustainable Cured Pork Supply Chain. <i>CSR, Sustainability, Ethics &amp; Governance</i> , 2023, , 51-72.	0.0	0
30	Motion Based Real-Time Siamese Multiple Object Tracker Model. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 247-259.	0.0	1
31	Introduction to the Special Section on Artificial Intelligence for Next Generation Industrial Cyber-Physical Systems. <i>IEEE Systems Journal</i> , 2023, 17, 5070-5072.	4.9	0
32	Floor of log: a novel intelligent algorithm for 3D lung segmentation in computer tomography images. <i>Multimedia Systems</i> , 2022, 28, 1151-1163.	4.8	6
33	An experimental approach to evaluate machine learning models for the estimation of load distribution on suspension bridge using <sc>FBG</sc> sensors and <sc>IoT</sc>. <i>Computational Intelligence</i> , 2022, 38, 747-769.	3.1	12
34	AI-Assisted Edge Vision for Violence Detection in IoT-Based Industrial Surveillance Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 5359-5370.	12.1	61
35	A Group Discovery Method Based on Collaborative Filtering and Knowledge Graph for IoT Scenarios. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 279-290.	5.3	7
36	<sc>Brain</sc>-computer interface-based target recognition system using transfer learning: A deep learning approach. <i>Computational Intelligence</i> , 2022, 38, 139-155.	3.1	7

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37	An intelligent system for complex violence pattern analysis and detection. International Journal of Intelligent Systems, 2022, 37, 10400-10422.	5.8	35
38	Human Short Long-Term Cognitive Memory Mechanism for Visual Monitoring in IoT-Assisted Smart Cities. IEEE Internet of Things Journal, 2022, 9, 7128-7139.	9.3	64
39	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.	8.4	2
40	Energy-Based Dropout in Restricted Boltzmann Machines: Why Not Go Random. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 276-286.	5.3	3
41	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
42	MFFusion: A Multi-level Features Fusion Model for Malicious Traffic Detection based on Deep Learning. Computer Networks, 2022, 202, 108658.	5.5	28
43	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.	6.9	11
44	A Robust Approach for Privacy Data Protection: IoT Security Assurance Using Generative Adversarial Imitation Learning. IEEE Internet of Things Journal, 2022, 9, 17089-17097.	9.3	12
45	COVID-19 lockdownsâ€™ 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
46	EdgeFireSmoke: A Novel Lightweight CNN Model for Real-Time Video Fireâ€™Smoke Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 7889-7898.	12.1	40
47	Postural evaluation based on body movement and mapping sensors. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110538.	5.1	1
48	An Intelligent Multisampling Tensor Model for Oral Cancer Classification. IEEE Transactions on Industrial Informatics, 2022, 18, 7853-7861.	12.1	13
49	New fully automatic approach for tissue identification in histopathological examinations using transfer learning. IET Image Processing, 2022, 16, 2875-2889.	2.6	5
50	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.	5.2	11
51	A BRIEF REVIEW ON INNOVATIVE ANATOMY LEARNING TECHNOLOGIES FOR MEDICAL AND HEALTH STUDENTS EDUCATION. Recisatec, 2022, 2, e24121.	0.1	2
52	Edge2Analysis: A Novel AIoT Platform for Atrial Fibrillation Recognition and Detection. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 5772-5782.	6.9	14
53	Explainable artificial intelligence-based edge fuzzy images for COVID-19 detection and identification. Applied Soft Computing Journal, 2022, 123, 108966.	7.4	30
54	Groupâ€™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.	8.4	10

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55	A Side Chain Consensus-Based Decentralized Autonomous Vehicle Group Formation and Maintenance Method in a Highway Scene. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 9250-9258.	12.1	5
56	Evaluation of Weighted Nuclear Norm Minimization Algorithm for Ultrasound Image Denoising. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-13.	1.4	3
57	PMAL: A Proxy Model Active Learning Approach for Vision Based Industrial Applications. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-18.	4.5	3
58	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
59	An Effective Fusing Approach by Combining Connectivity Network Pattern and Temporal-Spatial Analysis for EEG-Based BCI Rehabilitation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 2264-2274.	5.0	8
60	Modified SqueezeNet Architecture for Parkinson's Disease Detection Based on Keypress Data. <i>Biomedicines</i> , 2022, 10, 2746.	3.3	13
61	Mammogram Image Enhancement Techniques for Online Breast Cancer Detection and Diagnosis. <i>Sensors</i> , 2022, 22, 8818.	4.0	7
62	Artificial plant optimization algorithm to detect infected leaves using machine learning. <i>Expert Systems</i> , 2021, 38, e12501.	4.5	20
63	Automatic detection of COVID-19 infection using chest X-ray images through transfer learning. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 239-248.	13.9	201
64	DCAVN: Cervical cancer prediction and classification using deep convolutional and variational autoencoder network. <i>Multimedia Tools and Applications</i> , 2021, 80, 30399-30415.	4.2	30
65	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
66	IoT-Based Smart Health System for Ambulatory Maternal and Fetal Monitoring. <i>IEEE Internet of Things Journal</i> , 2021, 8, 16814-16824.	9.3	35
67	Deep Learning-Enhanced Internet of Medical Things to Analyze Brain CT Scans of Hemorrhagic Stroke Patients: A New Approach. <i>IEEE Sensors Journal</i> , 2021, 21, 24941-24951.	4.8	35
68	Smart Supervision of Cardiomyopathy Based on Fuzzy Harris Hawks Optimizer and Wearable Sensing Data Optimization: A New Model. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4944-4958.	10.1	29
69	Weighted LIC-Based Structure Tensor With Application to Image Content Perception and Processing. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2250-2260.	12.1	7
70	Link Optimization in Software Defined IoV Driven Autonomous Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3511-3520.	8.4	34
71	Decision support system on credit operation using linear and logistic regression. <i>Expert Systems</i> , 2021, 38, e12578.	4.5	5
72	Deep Learning for Multigrade Brain Tumor Classification in Smart Healthcare Systems: A Prospective Survey. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 507-522.	12.6	240

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73	Neuro-fuzzy model for HELLP syndrome prediction in mobile cloud computing environments. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, 1-1.	2.2	15
74	A comprehensive survey of multi-view video summarization. <i>Pattern Recognition</i> , 2021, 109, 107567.	8.5	91
75	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
76	Industrial Pervasive Edge Computing-Based Intelligence IoT for Surveillance Saliency Detection. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5012-5020.	12.1	32
77	METO: Matching-Theory-Based Efficient Task Offloading in IoT-Fog Interconnection Networks. <i>IEEE Internet of Things Journal</i> , 2021, 8, 12705-12715.	9.3	56
78	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9634-9644.	9.3	32
79	Industrial Internet-of-Things Security Enhanced With Deep Learning Approaches for Smart Cities. <i>IEEE Internet of Things Journal</i> , 2021, 8, 6393-6405.	9.3	51
80	Hyper-Noise Interference Privacy Protection Framework for Intelligent Medical Data-Centric Networks. <i>IEEE Network</i> , 2021, 35, 333-339.	7.8	5
81	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
82	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
83	Toward ML-Based Energy-Efficient Mechanism for 6G Enabled Industrial Network in Box Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7185-7192.	12.1	35
84	INDFORG: Industrial Forgery Detection Using Automatic Rotation Angle Detection and Correction. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 3630-3639.	12.1	19
85	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5223-5231.	8.4	54
86	Tocum mini-games: An educational game accessible for deaf culture based on virtual reality. <i>Expert Systems</i> , 2021, 38, .	4.5	11
87	A New Design of Mamdani Complex Fuzzy Inference System for Multiattribute Decision Making Problems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 716-730.	10.5	46
88	Internet of Water Things: A Remote Raw Water Monitoring and Control System. <i>IEEE Access</i> , 2021, 9, 35790-35800.	4.4	31
89	Emerging Drone Trends for Blockchain-Based 5G Networks: Open Issues and Future Perspectives. <i>IEEE Network</i> , 2021, 35, 38-43.	7.8	27
90	A Novel Linear Classifier for Class Imbalance Data Arising in Failure-Prone Air Pressure Systems. <i>IEEE Access</i> , 2021, 9, 4211-4222.	4.4	6

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91	Automatic Segmentation of Macular Holes in Optical Coherence Tomography Images. IEEE Access, 2021, 9, 96487-96500.	4.4	0
92	A novel transfer learning approach for the classification of histological images of colorectal cancer. Journal of Supercomputing, 2021, 77, 9494-9519.	3.7	32
93	A new approach for the detection of pneumonia in children using CXR images based on a real-time IoT system. Journal of Real-Time Image Processing, 2021, 18, 1099-1114.	3.5	21
94	Efficient and Privacy Preserving Video Transmission in 5G-Enabled IoT Surveillance Networks: Current Challenges and Future Directions. IEEE Network, 2021, 35, 26-33.	7.8	10
95	Computing Paradigms in Emerging Vehicular Environments: A Review. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 491-511.	13.9	63
96	Ensemble Meteorological Cloud Classification Meets Internet of Dependable and Controllable Things. IEEE Internet of Things Journal, 2021, 8, 3323-3330.	9.3	17
97	Special issue on deep network based industrial Internet of Things applications. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4278.	3.9	0
98	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
99	In.IoT" A New Middleware for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 7902-7911.	9.3	23
100	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. Information Fusion, 2021, 71, 64-76.	19.9	28
101	Deep Learning for Safe Autonomous Driving: Current Challenges and Future Directions. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4316-4336.	8.4	229
102	A novel feature extractor for human action recognition in visual question answering. Pattern Recognition Letters, 2021, 147, 41-47.	4.5	8
103	Explainable Artificial Intelligence for Sarcasm Detection in Dialogues. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	1.4	17
104	Smart Sensing Based Functional Control for Reducing Uncertainties in Agricultural Farm Data Analysis. IEEE Sensors Journal, 2021, 21, 17469-17478.	4.8	22
105	Locally GAN-generated face detection based on an improved Xception. Information Sciences, 2021, 572, 16-28.	7.2	45
106	GUEST EDITORIAL: Internet of Things for e-Health Applications. IEEE Internet of Things Magazine, 2021, 4, 4-5.	3.0	4
107	Editorial: Enabling Wearable Brain Technologies - Methods and Applications. Frontiers in Human Neuroscience, 2021, 15, 722388.	2.1	1
108	Reinforcing learning in Deep Belief Networks through nature-inspired optimization. Applied Soft Computing Journal, 2021, 108, 107466.	7.4	16

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109	Video salient object detection using dual-stream spatiotemporal attention. Applied Soft Computing Journal, 2021, 108, 107433.	7.4	19
110	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.	7.4	10
111	DeepSmoke: Deep learning model for smoke detection and segmentation in outdoor environments. Expert Systems With Applications, 2021, 182, 115125.	7.9	79
112	Human action recognition using attention based LSTM network with dilated CNN features. Future Generation Computer Systems, 2021, 125, 820-830.	8.0	145
113	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
114	Multi-Class Skin Lesion Detection and Classification via Teledermatology. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4267-4275.	6.9	102
115	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.	1.1	0
116	Light-DehazeNet: A Novel Lightweight CNN Architecture for Single Image Dehazing. IEEE Transactions on Image Processing, 2021, 30, 8968-8982.	10.2	80
117	Guest Editorial AI and 5G Empowered Internet of Medical Things. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3688-3690.	6.9	2
118	Sliding large kernel of deep learning algorithm for mobile electrocardiogram diagnosis. Computers and Electrical Engineering, 2021, 96, 107521.	5.2	14
119	An Artificial Intelligence Application for Drone-Assisted 5G Remote e-Health. IEEE Internet of Things Magazine, 2021, 4, 30-35.	3.0	6
120	OPFSumm: on the video summarization using Optimum-Path Forest. Multimedia Tools and Applications, 2020, 79, 11195-11211.	4.2	4
121	Automatic classification of pulmonary diseases using a structural co-occurrence matrix. Neural Computing and Applications, 2020, 32, 10935-10945.	5.7	13
122	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
123	Automatic quantification of spheroidal graphite nodules using computer vision techniques. Journal of Supercomputing, 2020, 76, 1212-1225.	3.7	26
124	Adaptive optimal multi key based encryption for digital image security. Concurrency Computation Practice and Experience, 2020, 32, e5122.	2.2	22
125	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
126	Nonlinear characterization and complexity analysis of cardiocographic examinations using entropy measures. Journal of Supercomputing, 2020, 76, 1305-1320.	3.7	24



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127	Seasonal Crops Disease Prediction and Classification Using Deep Convolutional Encoder Network. Circuits, Systems, and Signal Processing, 2020, 39, 818-836.	2.1	129
128	Edge Intelligence-Assisted Smoke Detection in Foggy Surveillance Environments. IEEE Transactions on Industrial Informatics, 2020, 16, 1067-1075.	12.1	95
129	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
130	An augmented reality-supported mobile application for diagnosis of heart diseases. Journal of Supercomputing, 2020, 76, 1242-1267.	3.7	28
131	Research on Circular Area Search algorithm of multi-robot service based on SOA cloud platform. Applied Soft Computing Journal, 2020, 88, 105816.	7.4	3
132	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
133	Heart Arrhythmia Classification Based on Statistical Moments and Structural Co-occurrence. Circuits, Systems, and Signal Processing, 2020, 39, 631-650.	2.1	25
134	Cloud-Assisted Multiview Video Summarization Using CNN and Bidirectional LSTM. IEEE Transactions on Industrial Informatics, 2020, 16, 77-86.	12.1	107
135	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
136	Evaluation of Goat Leather Quality Based on Computational Vision Techniques. Circuits, Systems, and Signal Processing, 2020, 39, 651-673.	2.1	10
137	Automatic Neuroimage Processing and Analysis in Stroke- A Systematic Review. IEEE Reviews in Biomedical Engineering, 2020, 13, 130-155.	18.2	24
138	Intelligent Embedded Vision for Summarization of Multiview Videos in IIoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2592-2602.	12.1	61
139	Unified model for interpreting multi-view echocardiographic sequences without temporal information. Applied Soft Computing Journal, 2020, 88, 106049.	7.4	23
140	DeepReS: A Deep Learning-Based Video Summarization Strategy for Resource-Constrained Industrial Surveillance Scenarios. IEEE Transactions on Industrial Informatics, 2020, 16, 5938-5947.	12.1	65
141	De novo transcriptome dataset of Stevia rebaudiana accession MS007. Data in Brief, 2020, 28, 104811.	1.1	5
142	GQM: Autonomous goods quantity monitoring in IIoT based on battery-free RFID. Mechanical Systems and Signal Processing, 2020, 136, 106411.	8.2	5
143	A Novel Siamese-Based Approach for Scene Change Detection With Applications to Obstructed Routes in Hazardous Environments. IEEE Intelligent Systems, 2020, 35, 44-53.	5.5	19
144	A Novel Approach for Optimum-Path Forest Classification Using Fuzzy Logic. IEEE Transactions on Fuzzy Systems, 2020, 28, 3076-3086.	10.5	14

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145	An effective approach to unmanned aerial vehicle navigation using visual topological map in outdoor and indoor environments. <i>Computer Communications</i> , 2020, 150, 696-702.	5.5	7
146	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
147	Fast fully automatic heart fat segmentation in computed tomography datasets. <i>Computerized Medical Imaging and Graphics</i> , 2020, 80, 101674.	6.1	19
148	Multiobjective 3-D Topology Optimization of Next-Generation Wireless Data Center Network. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3597-3605.	12.1	183
149	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
150	Trustful Internet of Surveillance Things Based on Deeply Represented Visual Co-Saliency Detection. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4092-4100.	9.3	35
151	ABTB2 Regulatory Variant as Predictor of Epirubicin-Based Neoadjuvant Chemotherapy in Luminal A Breast Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 571517.	2.9	8
152	A critical literature survey and prospects on tampering and anomaly detection in image data. <i>Applied Soft Computing Journal</i> , 2020, 97, 106727.	7.4	16
153	Special issue on Bio-inspired optimization techniques for Biomedical Data Analysis: Methods and applications. <i>Applied Soft Computing Journal</i> , 2020, 95, 106672.	7.4	2
154	IoT System for School Dropout Prediction Using Machine Learning Techniques Based on Socioeconomic Data. <i>Electronics (Switzerland)</i> , 2020, 9, 1613.	3.2	19
155	On stable CMC free-boundary surfaces in a strictly convex domain of a bi-invariant Lie group. <i>International Journal of Mathematics</i> , 2020, 31, 2050086.	0.5	0
156	Isolation of Microalgae from Mediterranean Seawater and Production of Lipids in the Cultivated Species. <i>Foods</i> , 2020, 9, 1601.	4.3	11
157	Internet of Medical Things: An Effective and Fully Automatic IoT Approach Using Deep Learning and Fine-Tuning to Lung CT Segmentation. <i>Sensors</i> , 2020, 20, 6711.	4.0	17
158	Intelligent Sensory Pen for Aiding in the Diagnosis of Parkinson's Disease from Dynamic Handwriting Analysis. <i>Sensors</i> , 2020, 20, 5840.	4.0	15
159	Event-Oriented 3D Convolutional Features Selection and Hash Codes Generation Using PCA for Video Retrieval. <i>IEEE Access</i> , 2020, 8, 196529-196540.	4.4	16
160	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
161	Computation Offloading for Vehicular Environments: A Survey. <i>IEEE Access</i> , 2020, 8, 198214-198243.	4.4	63
162	Real-Time Traffic Sign Detection and Recognition using CNN. <i>IEEE Latin America Transactions</i> , 2020, 18, 522-529.	1.8	13

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163	Anomalies Identification in Images from Security Video Cameras Using Mask R-CNN. IEEE Latin America Transactions, 2020, 18, 530-536.	1.8	5
164	Energy-Efficient Monitoring of Fire Scenes for Intelligent Networks. IEEE Network, 2020, 34, 108-115.	7.8	26
165	A multi-objective artificial butterfly optimization approach for feature selection. Applied Soft Computing Journal, 2020, 94, 106442.	7.4	33
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