Dac-Nhuong Le

List of Publications by Year
in descending order

106 papers	1,853 citations	279798 23 h-index	377865 34 g-index
173 all docs	173 docs citations	173 times ranked	1154 citing authors

#	Article	IF	Citations
1	Virtual Reality (VR) & Augmented Reality (AR) technologies for tourism and hospitality industry. International Journal of Engineering and Technology(UAE), 2018, 7, 156.	0.3	112
2	IoT enabled depthwise separable convolution neural network with deep support vector machine for COVID-19 diagnosis and classification. International Journal of Machine Learning and Cybernetics, 2021, 12, 3235-3248.	3.6	94
3	COVID-DeepNet: Hybrid Multimodal Deep Learning System for Improving COVID-19 Pneumonia Detection in Chest X-ray Images. Computers, Materials and Continua, 2021, 67, 2409-2429.	1.9	77
4	Nanoscale heat and mass transport of magnetized 3-D chemically radiative hybrid nanofluid with orthogonal/inclined magnetic field along rotating sheet. Case Studies in Thermal Engineering, 2021, 26, 101193.	5.7	62
5	A Comprehensive Investigation of Machine Learning Feature Extraction and Classification Methods for Automated Diagnosis of COVID-19 Based on X-Ray Images. Computers, Materials and Continua, 2021, 66, 3289-3310.	1.9	55
6	An Integrated Interactive Technique for Image Segmentation using Stack based Seeded Region Growing and Thresholding. International Journal of Electrical and Computer Engineering, 2016, 6, 2773.	0.7	51
7	MAP MATCHING ALGORITHM: REAL TIME LOCATION TRACKING FOR SMART SECURITY APPLICATION. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2020, 79, 1189-1203.	0.4	50
8	Global Forecasting Confirmed and Fatal Cases of COVID-19 Outbreak Using Autoregressive Integrated Moving Average Model. Frontiers in Public Health, 2020, 8, 580327.	2.7	48
9	Capitalizing on big data and revolutionary 5G technology: Extracting and visualizing ratings and reviews of global chain hotels. Computers and Electrical Engineering, 2021, 95, 107374.	4.8	47
10	Integrating encryption techniques for secure data storage in the cloud. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4108.	3.9	42
11	Synchronization Phenomena Investigation of A New Nonlinear Dynamical System 4-D by Gardanoâ€™s and Lyapunovâ€™s Methods. Computers, Materials and Continua, 2021, 66, 3311-3327.	1.9	41
12	LoRa based intelligent soil and weather condition monitoring with internet of things for precision agriculture in smart cities. IET Communications, 2022, 16, 604-618.	2.2	36
13	Smart Surveillance Robot for Real-Time Monitoring and Control System in Environment and Industrial Applications. Advances in Intelligent Systems and Computing, 2018, , 229-243.	0.6	34
14	Efficient Dual-Cooperative Bait Detection Scheme for Collaborative Attackers on Mobile Ad-Hoc Networks. IEEE Access, 2020, 8, 227962-227969.	4.2	32
15	A comprehensive study on the role of advanced technologies in 5G based smart hospital. AEJ - Alexandria Engineering Journal, 2021, 60, 5527-5536.	6.4	30
16	A Hybrid Approach of Secret Sharingwith Fragmentation and Encryptionin Cloud Environment for SecuringOutsourced Medical Database:A Revolutionary Approach. Journal of Cyber Security and Mobility, 2018, 7, 379-408.	0.7	28
17	Memetic Optimization with Cryptographic Encryption for Secure Medical Data Transmission in IoT-based Distributed Systems. Computers, Materials and Continua, 2021, 66, 1577-1594.	1.9	28
18	Integrated intelligence of neuro-evolution with sequential quadratic programming for second-order Laneâ€"Emden pantograph models. Mathematics and Computers in Simulation, 2021, 188, 87-101.	4.4	28

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19	Comprehensive Analysis of Routing Protocols Surrounding Underwater Sensor Networks (UWSNs). Advances in Intelligent Systems and Computing, 2019, , 435-450.	0.6	25
20	Secure Cloud Data Storage System using Hybrid Paillier-Blowfish Algorithm. Computers, Materials and Continua, 2021, 67, 779-798.	1.9	25
21	A Novel Design of Morlet Wavelet to Solve the Dynamics of Nervous Stomach Nonlinear Model. International Journal of Computational Intelligence Systems, 2022, 15, 1.	2.7	25
22	An adaptive traffic routing approach toward load balancing and congestion control in Cloud–MANET ad hoc networks. Soft Computing, 2022, 26, 5377-5388.	3.6	25
23	Light microscopy image de-noising using optimized LPA-ICI filter. Neural Computing and Applications, 2018, 29, 1517-1533.	5.6	24
24	Healthy and Unhealthy Rat Hippocampus Cells Classification: A Neural Based Automated System for Alzheimer Disease Classification. Journal of Advanced Microscopy Research, 2016, 11, 1-10.	0.3	24
25	Multispectral medical image fusion in Contourlet domain for computer based diagnosis of Alzheimer's disease. Review of Scientific Instruments, 2016, 87, 074303.	1.3	23
26	Optimizing feature selection in video-based recognition using Max–Min Ant System for the online video contextual advertisement user-oriented system. Journal of Computational Science, 2017, 21, 361-370.	2.9	23
27	Internet of Things based system for Smart Kitchen. International Journal of Engineering and Manufacturing, 2018, 8, 29-39.	0.7	22
28	IoT Technology Enabled Heuristic Model With Morlet Wavelet Neural Network for Numerical Treatment of Heterogeneous Mosquito Release Ecosystem. IEEE Access, 2021, 9, 132897-132913.	4.2	21
29	W-GeoR: Weighted Geographical Routing for VANET's Health Monitoring Applications in Urban Traffic Networks. IEEE Access, 2022, 10, 38850-38869.	4.2	21
30	Communication in Internet of Things. Advances in Intelligent Systems and Computing, 2018, , 272-281.	0.6	19
31	Haralick Features-Based Classification of Mammograms Using SVM. Advances in Intelligent Systems and Computing, 2018, , 787-795.	0.6	18
32	PTS-PAPR Reduction Technique for 5G Advanced Waveforms Using BFO Algorithm. Intelligent Automation and Soft Computing, 2021, 27, 713-722.	2.1	18
33	Optimizing Bidders Selection of Multi-Round Procurement Problem in Software Project Management Using Parallel Max-Min Ant System Algorithm. Computers, Materials and Continua, 2020, 66, 993-1010.	1.9	18
34	Rock Hyraxes Swarm Optimization: A New Nature-Inspired Metaheuristic Optimization Algorithm. Computers, Materials and Continua, 2021, 68, 643-654.	1.9	17
35	A Comprehensive Review of Semiconductor-Type Gas Sensors for Environmental Monitoring. Review of Computer Engineering Research, 2016, 3, 55-64.	1.4	17
36	Computational Intelligent Paradigms to Solve the Nonlinear SIR System for Spreading Infection and Treatment Using Levenberg–Marquardt Backpropagation. Symmetry, 2021, 13, 618.	2.2	16

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37	The Impact of the COVID-19 Pandemic on College Students: An Online Survey. Sustainability, 2021, 13, 10762.	3.2	16
38	The Red Colobuses Monkey: A New Nature–Inspired Metaheuristic Optimization Algorithm. International Journal of Computational Intelligence Systems, 2021, 14, 1108.	2.7	16
39	Deep Learning based Optimal Multimodal Fusion Framework for Intrusion Detection Systems for Healthcare Data. Computers, Materials and Continua, 2021, 66, 2555-2571.	1.9	16
40	Driving Pattern Profiling and Classification Using Deep Learning. Intelligent Automation and Soft Computing, 2021, 28, 887-906.	2.1	15
41	A Performance Analysis of OpenStack Open-Source Solution for IaaS Cloud Computing. Advances in Intelligent Systems and Computing, 2016, , 141-150.	0.6	15
42	A Comparative Analysis of Machine Learning Models for Banking News Extraction by Multiclass Classification With Imbalanced Datasets of Financial News: Challenges and Solutions. International Journal of Interactive Multimedia and Artificial Intelligence, 2022, 7, 35.	1.3	15
43	Performance Analysis of Network Virtualization in Cloud Computing Infrastructures on OpenStack. Advances in Intelligent Systems and Computing, 2016, , 95-103.	0.6	13
44	Ant Colony Optimization Based Anisotropic Diffusion Approach for Despeckling of SAR Images. Lecture Notes in Computer Science, 2016, , 389-396.	1.3	13
45	Admission control algorithm based on the effective bandwidth in vehicle–to–infrastructure communication. IET Communications, 2018, 12, 704-711.	2.2	12
46	A neuro-swarming intelligent heuristic for second-order nonlinear Lane–Emden multi-pantograph delay differential system. Complex & Intelligent Systems, 0, , 1.	6.5	12
47	A Novel Particle Swarm Optimization Approach to Support Decision-Making in the Multi-Round of an Auction by Game Theory. International Journal of Computational Intelligence Systems, 2020, 13, 1447.	2.7	12
48	Optimizing the CMTS to Improve Quality of Service in Next Generation Networks based on ACO Algorithm. International Journal of Computer Network and Information Security, 2013, 5, 25-30.	1.9	11
49	Deriving Driver Behavioral Pattern Analysis and Performance Using Neural Network Approaches. Intelligent Automation and Soft Computing, 2022, 32, 87-99.	2.1	10
50	Chinese-chi and Kundalini yoga Meditations Effects on the Autonomic Nervous System: Comparative Study. International Journal of Interactive Multimedia and Artificial Intelligence, 2016, 3, 87.	1.3	9
51	GA and ACO Algorithms Applied to Optimizing Location of Controllers in Wireless Networks. International Journal of Electrical and Computer Engineering, 2013, 3, .	0.7	9
52	Neuro-Swarm heuristic using interior-point algorithm to solve a third kind of multi-singular nonlinear system. Mathematical Biosciences and Engineering, 2021, 18, 5285-5308.	1.9	8
53	Detecting phishing web pages based on DOM-tree structure and graph matching algorithm. , 2014, , .		7
54	A New Private Security Policy Approach for DDoS Attack Defense in NGNs. Advances in Intelligent Systems and Computing, 2016, , 1-10.	0.6	7

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55	Massively Multi-user Online Social Virtual Reality Systems: Ethical Issues and Risks for Long-Term Use. , 2018, , 131-149.		7
56	An efficient driver behavioral pattern analysis based on fuzzy logical feature selection and classification in big data analysis. Journal of Intelligent and Fuzzy Systems, 2022, 43, 3283-3292.	1.4	7
57	An Optimized Anisotropic Diffusion Approach for Despeckling of SAR Images. Communications in Computer and Information Science, 2016, , 134-140.	0.5	6
58	Design and Development of Collaborative AR System for Anatomy Training. Intelligent Automation and Soft Computing, 2021, 27, 853-871.	2.1	6
59	PSO and ACO Algorithms Applied to Optimization Resource Allocation to Support QoS Requirements in NGN. International Journal of Information and Network Security (IJINS), 2013, 2, .	0.4	6
60	Detecting Lumbar Implant and Diagnosing Scoliosis from Vietnamese X-Ray Imaging Using the Pre-Trained API Models and Transfer Learning. Computers, Materials and Continua, 2020, 66, 17-33.	1.9	6
61	MMAS Algorithm for Features Selection Using 1D-DWT for Video-Based Face Recognition in the Online Video Contextual Advertisement User-Oriented System. Journal of Global Information Management, 2017, 25, 103-124.	2.8	5
62	NoSQL Database Classification. International Journal of Knowledge-Based Organizations, 2019, 9, 50-65.	0.4	5
63	Securing Technique Using Pattern-Based LSB Audio Steganography and Intensity-Based Visual Cryptography. Computers, Materials and Continua, 2021, 67, 1207-1224.	1.9	5
64	Performance Evaluation of Video-Based Face Recognition Approaches for Online Video Contextual Advertisement User-Oriented System. Advances in Intelligent Systems and Computing, 2016, , 287-295.	0.6	4
65	A parallel max-min ant system algorithm for dynamic resource allocation to support QoS requirements. , 2017, , .		4
66	BioSenHealth 2.0â€"a low-cost, energy-efficient Internet of Thingsâ€"based blood glucose monitoring system. , 2020, , 305-324.		4
67	A New Ant-Based Approach for Optimal Service Selection with E2E QoS Constraints. Communications in Computer and Information Science, 2015, , 98-109.	0.5	4
68	Optimizing QoS for Multimedia Services in Next Generation Network Based on ACO Algorithm. International Journal of Information Technology and Computer Science, 2013, 5, 30-38.	1.0	4
69	Optimizing Gateway Placement in Wireless Mesh Networks Based on ACO Algorithm. International Journal of Computer and Communication Engineering, 2013, , 143-147.	0.2	4
70	Interconnect Network on Chip Topology in Multi-core Processors: A Comparative Study. International Journal of Computer Network and Information Security, 2017, 9, 52-62.	1.9	4
71	Towards aspect based requirements mining for trace retrieval of component-based software management process in globally distributed environment. Information Technology and Management, 2022, 23, 151-165.	2.4	4
72	Evaluation of Pheromone Update in Min-Max Ant System Algorithm to Optimizing QoS for Multimedia Services in NGNs. Advances in Intelligent Systems and Computing, 2015, , 9-17.	0.6	3

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73	GUI-Based Percentage Analysis for Curing Breast Cancer Survivors. Advances in Intelligent Systems and Computing, 2020, , 319-327.	0.6	3
74	A New Genetic Algorithm for the Optimal Centralized Wireless Access Network. International Journal of Information and Network Security (IJINS), 2012, 2, .	0.4	3
75	Improving Genetic Algorithm to Solve Multi-objectives Optimal of Upgrading Infrastructure in NGWN. International Journal of Intelligent Systems and Applications, 2013, 5, 53-63.	1.1	3
76	Adaptive Scheduling Algorithm Based Task Loading in Cloud Data Centers. IEEE Access, 2022, 10, 49412-49421.	4.2	3
77	An Intelligent Prediction Model for Target Protein Identification in Hepatic Carcinoma Using Novel Graph Theory and ANN Model. CMES - Computer Modeling in Engineering and Sciences, 2022, .	1.1	3
78	Automatic Generation of Synsets for Wordnet of Hindi Language. International Journal of Natural Computing Research, 2018, 7, 31-47.	0.5	2
79	MMAS Algorithm and Nash Equilibrium to Solve Multi-round Procurement Problem. Lecture Notes in Electrical Engineering, 2021, , 273-284.	0.4	2
80	A Comparatives Study of Gateway Placement Optimization in Wireless Mesh Network using GA, PSO and ACO. International Journal of Information and Network Security (IJINS), 2013, 2, .	0.4	2
81	Detection of Malicious Executables Using Rule Based Classification Algorithms. , 0, , .		2
82	Space-Time Code Design Using Quaternions, Octonions and Other Non-Associative Structures. International Journal of Electrical and Computer Engineering Systems, 2019, 10, 91-95.	0.6	2
83	A Novel Ant Colony Optimization-Based Algorithm for the Optimal Communication Spanning Tree Problem. International Journal of Computer Theory and Engineering, 2013, , 509-513.	3.4	2
84	Map Matching Algorithm: Trajectory and Sequential Map Analysis on Road Network. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2018, 5, 155999.	1.9	2
85	An effective RGB color selection for complex 3D object structure in scene graph systems. International Journal of Electrical and Computer Engineering, 2020, 10, 5951.	0.7	2
86	Dynamic Data Optimization in IoT-Assisted Sensor Networks on Cloud Platform. Computers, Materials and Continua, 2022, 72, 1357-1372.	1.9	2
87	Data Quality for AI Tool: Exploratory Data Analysis on IBM API. International Journal of Intelligent Systems and Applications, 2022, 14, 42-56.	1.1	2
88	Applied MMAS Algorithm to Optimal Resource Allocation to Support QoS Requirements in NGNs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 209-216.	0.3	1
89	Smart Home: Personal Assistant and Baby Monitoring System. , 2018, , 259-284.		1
90	Review of Virtual Reality Evaluation Methods and Psychophysiological Measurement Tools. , 2018, , 69-86.		1

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91	Baseline Correction in EMG Signals Using Mathematical Morphology and Canonical Correlation Analysis. Advances in Intelligent Systems and Computing, 2018, , 581-589.	0.6	1
92	A New Ant Colony Optimization Algorithm Applied to Optimizing Centralized Wireless Access Network. International Journal of Information Technology and Computer Science, 2014, 6, 30-36.	1.0	1
93	Optimizing Selection of PZMI Features Based on MMAS Algorithm for Face Recognition of the Online Video Contextual Advertisement User-Oriented System. Lecture Notes in Computer Science, 2016, , 317-330.	1.3	1
94	Validation Lamina for Maintaining Confidentiality within the Hadoop. International Journal of Information Engineering and Electronic Business, 2018, 10, 42-50.	1.2	1
95	A Novel Compact Frequency and Polarization Reconfigurable Slot Antenna Using PIN Diodes for Cognitive Radio Applications. EAI/Springer Innovations in Communication and Computing, 2022, , 85-95.	1.1	1
96	Plant Disease Identification Based onÂLeaf Images Using Deep Learning. Lecture Notes in Electrical Engineering, 2022, , 215-224.	0.4	1
97	Enhanced Marathi Speech Recognition Facilitated by Grasshopper Optimisation-Based Recurrent Neural Network. Computer Systems Science and Engineering, 2022, 43, 439-454.	2.4	1
98	The Relation of Curiosity and Creative use of IT. Advances in Intelligent Systems and Computing, 2018, , 537-547.	0.6	0
99	Training System Design of Lower Limb Rehabilitation Robot Based on Virtual Reality. , 2018, , 203-221.		0
100	A New Genetic Algorithm Applied to Multi-Objectives Optimal of Upgrading Infrastructure in NGWN. Communications and Network, 2013, 05, 223-231.	0.8	0
101	A Novel PSO Based Algorithm Approach for the cMTS to Improve QoS in Next Generation Networks. International Journal of Future Computer and Communication, 2013, , 413-417.	1.3	0
102	ACO Algorithm Applied to Multi-Objectives Optimization of Capacity Expansion in Next Generation Wireless Network. International Journal of Wireless and Microwave Technologies, 2013, 3, 37-49.	1.0	0
103	A New Multiple-Pattern Matching Algorithm for the Network Intrusion Detection System. International Journal of Engineering and Technology, 2016, 8, 94-100.	0.2	0
104	A Special Section on Machine Learning in Medical Imaging and Health Informatics. Journal of Medical Imaging and Health Informatics, 2018, 8, 809-810.	0.3	0
105	Open Stack: Resources Allocation for Distributed Virtual Machine Peer to Peer. Advances in Intelligent Systems and Computing, 2020, , 341-349.	0.6	0
106	Modeling and Simulation of Two Axes Gimbal Using Fuzzy Control. Computers, Materials and Continua, 2022, 72, 93-107.	1.9	0