Quoc-Viet Pham

List of Publications by Year
in descending order

103 papers	5,881 citations	101543 36 h-index	79698 73 g-index
107 all docs	107 docs citations	107 times ranked	4035 citing authors

#	Article	IF	Citations
1	Secure-Enhanced Federated Learning for AI-Empowered Electric Vehicle Energy Prediction. IEEE Consumer Electronics Magazine, 2023, 12, 27-34.	2.3	49
2	Industry 5.0: A survey on enabling technologies and potential applications. Journal of Industrial Information Integration, 2022, 26, 100257.	6.4	411
3	Enhancing Secrecy Performance of Cooperative NOMA-Based IoT Networks via Multiantenna-Aided Artificial Noise. IEEE Internet of Things Journal, 2022, 9, 5108-5127.	8.7	14
4	Aiding a Disaster Spot via Multi-UAV-Based IoT Networks: Energy and Mission Completion Time-Aware Trajectory Optimization. IEEE Internet of Things Journal, 2022, 9, 5853-5867.	8.7	20
5	Deep Reinforcement Learning for Energy-Efficient Federated Learning in UAV-Enabled Wireless Powered Networks. IEEE Communications Letters, 2022, 26, 99-103.	4.1	28
6	Blockchain for Edge of Things: Applications, Opportunities, and Challenges. IEEE Internet of Things Journal, 2022, 9, 964-988.	8.7	90
7	Federated Learning for Cybersecurity: Concepts, Challenges, and Future Directions. IEEE Transactions on Industrial Informatics, 2022, 18, 3501-3509.	11.3	114
8	Covert communication with noise and channel uncertainties. Wireless Networks, 2022, 28, 161-172.	3.0	4
9	Spectrum Sharing in Cognitive-Radio-Inspired NOMA Systems Under Imperfect SIC and Cochannel Interference. IEEE Systems Journal, 2022, 16, 1540-1547.	4.6	15
10	FastMDE: A Fast CNN Architecture for Monocular Depth Estimation at High Resolution. IEEE Access, 2022, 10, 16111-16122.	4.2	5
11	Enhanced Resource Allocation in D2D Communications With NOMA and Unlicensed Spectrum. IEEE Systems Journal, 2022, 16, 2856-2866.	4.6	11
12	A survey on blockchain for big data: Approaches, opportunities, and future directions. Future Generation Computer Systems, 2022, 131, 209-226.	7.5	184
13	Federated learning enabled digital twins for smart cities: Concepts, recent advances, and future directions. Sustainable Cities and Society, 2022, 79, 103663.	10.4	94
14	Energy-Efficient Federated Learning Over UAV-Enabled Wireless Powered Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 4977-4990.	6.3	51
15	A LSTM-FCNN based multi-class intrusion detection using scalable framework. Computers and Electrical Engineering, 2022, 99, 107720.	4.8	32
16	Dynamic Incremental Ensemble Fuzzy Classifier for Data Streams in Green Internet of Things. IEEE Transactions on Green Communications and Networking, 2022, 6, 1316-1329.	5.5	19
17	Aerial Computing: A New Computing Paradigm, Applications, and Challenges. IEEE Internet of Things Journal, 2022, 9, 8339-8363.	8.7	38
18	MIMO-OFDM Modulation Classification Using Three-Dimensional Convolutional Network. IEEE Transactions on Vehicular Technology, 2022, 71, 6738-6743.	6.3	24

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19	RanNet: Learning Residual-Attention Structure in CNNs for Automatic Modulation Classification. IEEE Wireless Communications Letters, 2022, 11, 1243-1247.	5.0	13
20	A survey on Zero touch network and Service Management (ZSM) for 5G and beyond networks. Journal of Network and Computer Applications, 2022, 203, 103362.	9.1	47
21	RF-UAVNet: High-Performance Convolutional Network for RF-Based Drone Surveillance Systems. IEEE Access, 2022, 10, 49696-49707.	4.2	17
22	Nonlinear marine predator algorithm: A cost-effective optimizer for fair power allocation in NOMA-VLC-B5G networks. Expert Systems With Applications, 2022, 203, 117395.	7.6	22
23	Automatic Modulation Classification with Low-Cost Attention Network for Impaired OFDM Signals. , 2022, , .		2
24	Fusion of Federated Learning and Industrial Internet of Things: A survey. Computer Networks, 2022, 212, 109048.	5.1	46
25	Federated Learning Framework with Straggling Mitigation and Privacy-Awareness for AI-based Mobile Application Services. IEEE Transactions on Mobile Computing, 2022, , 1-1.	5.8	2
26	Transfer Learning for Wireless Networks: A Comprehensive Survey. Proceedings of the IEEE, 2022, 110, 1073-1115.	21.3	28
27	HCFL: A High Compression Approach for Communication-Efficient Federated Learning in Very Large Scale IoT Networks. IEEE Transactions on Mobile Computing, 2022, , 1-13.	5.8	4
28	Aerial Access Networks for Federated Learning: Applications and Challenges. IEEE Network, 2022, 36, 159-166.	6.9	15
29	Harris Hawk Optimization: A Survey onVariants and Applications. Computational Intelligence and Neuroscience, 2022, 2022, 1-20.	1.7	24
30	Deep learning and medical image processing for coronavirus (COVID-19) pandemic: A survey. Sustainable Cities and Society, 2021, 65, 102589.	10.4	300
31	Evolutionary biogeography-based whale optimization methods with communication structure: Towards measuring the balance. Knowledge-Based Systems, 2021, 212, 106642.	7.1	165
32	Resource Allocation for AF Relaying Wireless-Powered Networks With Nonlinear Energy Harvester. IEEE Communications Letters, 2021, 25, 229-233.	4.1	8
33	Vulnerabilities in Fog/Edge Computing from Architectural Perspectives. Advances in Information Security, 2021, , 193-212.	1.2	1
34	Reconfigurable Intelligent Surface Aided Power Control for Physical-Layer Broadcasting. IEEE Transactions on Communications, 2021, 69, 7821-7836.	7.8	14
35	CAVMS: Application-Aware Cloudlet Adaption and VM Selection Framework for Multicloudlet Environment. IEEE Systems Journal, 2021, 15, 5098-5106.	4.6	9
36	Joint Computational Offloading and Data-Content Caching in NOMA-MEC Networks. IEEE Access, 2021, 9, 12943-12954.	4.2	27

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37	Survey on Aerial Radio Access Networks: Toward a Comprehensive 6G Access Infrastructure. IEEE Communications Surveys and Tutorials, 2021, 23, 1193-1225.	39.4	123
38	Virtual IoT Service Slice Functions for Multiaccess Edge Computing Platform. IEEE Internet of Things Journal, 2021, 8, 11233-11248.	8.7	16
39	Large Intelligent Surfaces With Discrete Set of Phase-Shifts Communicating Through Double-Rayleigh Fading Channels. IEEE Access, 2021, 9, 20768-20787.	4.2	29
40	Multi-objective cluster head selection using fitness averaged rider optimization algorithm for IoT networks in smart cities. Sustainable Energy Technologies and Assessments, 2021, 43, 100973.	2.7	87
41	The Sky is the Edge—Toward Mobile Coverage From the Sky. IEEE Internet Computing, 2021, 25, 101-108.	3.3	11
42	UAV Communications for Sustainable Federated Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3944-3948.	6.3	65
43	Enhancing 5G SDN/NFV Edge with P4 Data Plane Programmability. IEEE Network, 2021, 35, 154-160.	6.9	44
44	MEIX: Evolving Multi-Access Edge Computing for Industrial Internet-of-Things Services. IEEE Network, 2021, 35, 147-153.	6.9	8
45	Toward Blockchain for Edge-of-Things: A New Paradigm, Opportunities, and Future Directions. IEEE Internet of Things Magazine, 2021, 4, 102-108.	2.6	37
46	Joint Placement, Power Control, and Spectrum Allocation for UAV Wireless Backhaul Networks. IEEE Networking Letters, 2021, 3, 56-60.	1.9	7
47	Energy-Efficient Resource Allocation for IRS-Assisted Multi-Antenna Uplink Systems. IEEE Wireless Communications Letters, 2021, 10, 1261-1265.	5.0	18
48	Blockchain for securing aerial communications: Potentials, solutions, and research directions. Physical Communication, 2021, 47, 101390.	2.1	17
49	Accurate LPI Radar Waveform Recognition With CWD-TFA for Deep Convolutional Network. IEEE Wireless Communications Letters, 2021, 10, 1638-1642.	5.0	39
50	Unmanned Aerial Vehicles in Smart Agriculture: Applications, Requirements, and Challenges. IEEE Sensors Journal, 2021, 21, 17608-17619.	4.7	243
51	Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 12806-12825.	8.7	255
52	Accurate Deep CNN-Based Waveform Recognition for Intelligent Radar Systems. IEEE Communications Letters, 2021, 25, 2938-2942.	4.1	13
53	Swarm intelligence for next-generation networks: Recent advances and applications. Journal of Network and Computer Applications, 2021, 191, 103141.	9.1	32
54	Efficient RSU Selection Scheme for Fog-Based Vehicular Software-Defined Network. IEEE Transactions on Vehicular Technology, 2021, 70, 12126-12141.	6.3	3

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55	UAV-Enabled Wireless Backhaul Networks Using Non-Orthogonal Multiple Access. IEEE Access, 2021, 9, 36689-36698.	4.2	11
56	Intelligent Radio Signal Processing: A Survey. IEEE Access, 2021, 9, 83818-83850.	4.2	49
57	Survey on 6G Frontiers: Trends, Applications, Requirements, Technologies and Future Research. IEEE Open Journal of the Communications Society, 2021, 2, 836-886.	6.9	294
58	Automatic Modulation Classification: A Deep Architecture Survey. IEEE Access, 2021, 9, 142950-142971.	4.2	50
59	Genetic CFL: Hyperparameter Optimization in Clustered Federated Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.7	33
60	Deep Learning-based Automatic Modulation Classification for Wireless OFDM Communications. , 2021, , .		3
61	Deep Learning for Coexistence Radar-Communication Waveform Recognition. , 2021, , .		7
62	Densely-Accumulated Convolutional Network for Accurate LPI Radar Waveform Recognition. , 2021, , .		2
63	Efficient Computation Offloading in Multi-Tier Multi-Access Edge Computing Systems: A Particle Swarm Optimization Approach. Applied Sciences (Switzerland), 2020, 10, 203.	2.5	51
64	Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 1982-1993.	6.3	92
65	Joint Task Offloading and Resource Management in NOMA-Based MEC Systems: A Swarm Intelligence Approach. IEEE Access, 2020, 8, 190463-190474.	4.2	11
66	Multimedia communication over cognitive radio networks from QoS/QoE perspective: A comprehensive survey. Journal of Network and Computer Applications, 2020, 172, 102759.	9.1	29
67	Artificial Intelligence (AI) and Big Data for Coronavirus (COVID-19) Pandemic: A Survey on the State-of-the-Arts. IEEE Access, 2020, 8, 130820-130839.	4.2	212
68	Spatial-Temporal-DBSCAN-Based User Clustering and Power Allocation for Sum Rate Maximization in Millimeter-Wave NOMA Systems. Symmetry, 2020, 12, 1854.	2.2	3
69	Intelligent Reflecting Surface Aided Network: Power Control for Physical-Layer Broadcasting. , 2020, , .		40
70	Energy Efficient Mode Selection Scheme for Wireless Powered D2D Communications with NOMA Underlaying UAV. , 2020, , .		12
71	Resource Allocation for Energy Efficiency in OFDMA-Enabled WPCN. IEEE Wireless Communications Letters, 2020, 9, 2049-2053.	5.0	14
72	Energy-Efficient Design of IRS-NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 14088-14092.	6.3	174

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73	An Indoor Positioning and Navigation System Using Named Data Networking. IEEE Access, 2020, 8, 196408-196424.	4.2	4
74	A Multidirectional LSTM Model for Predicting the Stability of a Smart Grid. IEEE Access, 2020, 8, 85454-85463.	4.2	136
75	Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4285-4297.	6.3	193
76	A Survey of Multi-Access Edge Computing in 5G and Beyond: Fundamentals, Technology Integration, and State-of-the-Art. IEEE Access, 2020, 8, 116974-117017.	4.2	493
77	Online Computation Offloading in NOMA-Based Multi-Access Edge Computing: A Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 99098-99109.	4.2	34
78	A Study on Computation Offloading in MEC Systems using Whale Optimization Algorithm. , 2020, , .		3
79	MCNet: An Efficient CNN Architecture for Robust Automatic Modulation Classification. IEEE Communications Letters, 2020, 24, 811-815.	4.1	156
80	A Visualized Botnet Detection System Based Deep Learning for the Internet of Things Networks of Smart Cities. IEEE Transactions on Industry Applications, 2020, 56, 4436-4456.	4.9	187
81	Sum-Rate Maximization for UAV-Assisted Visible Light Communications Using NOMA: Swarm Intelligence Meets Machine Learning. IEEE Internet of Things Journal, 2020, 7, 10375-10387.	8.7	72
82	Chain-Net: Learning Deep Model for Modulation Classification Under Synthetic Channel Impairment. , 2020, , .		9
83	Learning Constellation Map with Deep CNN for Accurate Modulation Recognition. , 2020, , .		23
84	Aiding a Disaster Spot via an UAV-Based Mobile AF Relay: Joint Trajectory and Power Optimization. , 2020, , .		5
85	Intelligent Reflecting Surface Aided Wireless Networks: Harris Hawks Optimization for Beamforming Design. , 2020, , .		3
86	Computation offloading in cognitive radio NOMAâ€enabled multiâ€access edge computing systems. IET Communications, 2020, 14, 3404-3409.	2.2	3
87	Deep Learning for Constellation-based Modulation Classification under Multipath Fading Channels. , 2020, , .		5
88	Multi-Access Edge Computing Empowered Heterogeneous Networks: A Novel Architecture and Potential Works. Symmetry, 2019, 11, 842.	2.2	16
89	ECA: An Edge Computing Architecture for Privacy-Preserving in IoT-Based Smart City. IEEE Access, 2019, 7, 155779-155786.	4.2	47
90	Mobile Edge Computing With Wireless Backhaul: Joint Task Offloading and Resource Allocation. IEEE Access, 2019, 7, 16444-16459.	4.2	81

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91	Energy-Efficient Computation Offloading with Multi-MEC Servers in 5G Two-Tier Heterogeneous Networks. Advances in Intelligent Systems and Computing, 2019, , 120-129.	0.6	1
92	Joint channel and Power Allocation for Device-to-Device Communication on Licensed and Unlicensed Band. IEEE Access, 2019, 7, 22196-22205.	4.2	31
93	Access Control and Pilot Allocation for Machine-Type Communications in Crowded Massive MIMO Systems. Symmetry, 2019, 11, 1272.	2.2	1
94	Energyâ€efficient power control for uplink spectrumâ€sharing heterogeneous networks. International Journal of Communication Systems, 2018, 31, e3717.	2.5	6
95	Decentralized Computation Offloading and Resource Allocation for Mobile-Edge Computing: A Matching Game Approach. IEEE Access, 2018, 6, 75868-75885.	4.2	114
96	â€Fair resource allocation in nonâ€orthogonal multiple access systems. IET Communications, 2018, 12, 179-183.	2.2	9
97	Network utility maximization in multipath lossy wireless networks. International Journal of Communication Systems, 2017, 30, e3094.	2.5	4
98	Fairness-Aware Spectral and Energy Efficiency in Spectrum-Sharing Wireless Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10207-10219.	6.3	28
99	Network Utility Maximization-Based Congestion Control Over Wireless Networks: A Survey and Potential Directives. IEEE Communications Surveys and Tutorials, 2017, 19, 1173-1200.	39.4	39
100	Network-Assisted Distributed Fairness-Aware Interference Coordination for Device-to-Device Communication Underlaid Cellular Networks. Mobile Information Systems, 2017, 2017, 1-11.	0.6	9
101	Resource Allocation for Heterogeneous Traffic in Complex Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 959-963.	3.0	12
102	A multi-timescale cross-layer approach for wireless ad hoc networks. Computer Networks, 2015, 91, 471-482.	5.1	15
103	Globally Optimal Solutions for Cross-Layer Design in Fast-Fading Lossy Delay-Constrained MANETs. Journal of Korea Multimedia Society, 2015, 18, 168-177.	0.2	6