

# Quoc-Viet Pham

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Industry 5.0: A survey on enabling technologies and potential applications. Journal of Industrial Information Integration, 2022, 26, 100257.	6.4	411
3	Deep learning and medical image processing for coronavirus (COVID-19) pandemic: A survey. Sustainable Cities and Society, 2021, 65, 102589.	10.4	300
4	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
5	Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 12806-12825.	8.7	255
6	Unmanned Aerial Vehicles in Smart Agriculture: Applications, Requirements, and Challenges. IEEE Sensors Journal, 2021, 21, 17608-17619.	4.7	243
7	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
8	Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4285-4297.	6.3	193
9	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
10	A survey on blockchain for big data: Approaches, opportunities, and future directions. Future Generation Computer Systems, 2022, 131, 209-226.	7.5	184
11	Energy-Efficient Design of IRS-NOMA Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 14088-14092.	6.3	174
12	Evolutionary biogeography-based whale optimization methods with communication structure: Towards measuring the balance. Knowledge-Based Systems, 2021, 212, 106642.	7.1	165
13	MCNet: An Efficient CNN Architecture for Robust Automatic Modulation Classification. IEEE Communications Letters, 2020, 24, 811-815.	4.1	156
14	A Multidirectional LSTM Model for Predicting the Stability of a Smart Grid. IEEE Access, 2020, 8, 85454-85463.	4.2	136
15	Survey on Aerial Radio Access Networks: Toward a Comprehensive 6G Access Infrastructure. IEEE Communications Surveys and Tutorials, 2021, 23, 1193-1225.	39.4	123
16	Decentralized Computation Offloading and Resource Allocation for Mobile-Edge Computing: A Matching Game Approach. IEEE Access, 2018, 6, 75868-75885.	4.2	114
17	Federated Learning for Cybersecurity: Concepts, Challenges, and Future Directions. IEEE Transactions on Industrial Informatics, 2022, 18, 3501-3509.	11.3	114
18	Federated learning enabled digital twins for smart cities: Concepts, recent advances, and future directions. Sustainable Cities and Society, 2022, 79, 103663.	10.4	94

#	ARTICLE	IF	CITATIONS
19	Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 1982-1993.	6.3	92
20	Blockchain for Edge of Things: Applications, Opportunities, and Challenges. IEEE Internet of Things Journal, 2022, 9, 964-988.	8.7	90
21	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
22	Mobile Edge Computing With Wireless Backhaul: Joint Task Offloading and Resource Allocation. IEEE Access, 2019, 7, 16444-16459.	4.2	81
23	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
24	UAV Communications for Sustainable Federated Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3944-3948.	6.3	65
25	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
26	Energy-Efficient Federated Learning Over UAV-Enabled Wireless Powered Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 4977-4990.	6.3	51
27	Automatic Modulation Classification: A Deep Architecture Survey. IEEE Access, 2021, 9, 142950-142971.	4.2	50
28	Secure-Enhanced Federated Learning for AI-Empowered Electric Vehicle Energy Prediction. IEEE Consumer Electronics Magazine, 2023, 12, 27-34.	2.3	49
29	Intelligent Radio Signal Processing: A Survey. IEEE Access, 2021, 9, 83818-83850.	4.2	49
30	ECA: An Edge Computing Architecture for Privacy-Preserving in IoT-Based Smart City. IEEE Access, 2019, 7, 155779-155786.	4.2	47
31	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
32	Fusion of Federated Learning and Industrial Internet of Things: A survey. Computer Networks, 2022, 212, 109048.	5.1	46
33	Enhancing 5G SDN/NFV Edge with P4 Data Plane Programmability. IEEE Network, 2021, 35, 154-160.	6.9	44
34	Intelligent Reflecting Surface Aided Network: Power Control for Physical-Layer Broadcasting. , 2020, , .		40
35	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
36	Accurate LPI Radar Waveform Recognition With CWD-TFA for Deep Convolutional Network. IEEE Wireless Communications Letters, 2021, 10, 1638-1642.	5.0	39

#	ARTICLE	IF	CITATIONS
37	Aerial Computing: A New Computing Paradigm, Applications, and Challenges. IEEE Internet of Things Journal, 2022, 9, 8339-8363.	8.7	38
38	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
39	Online Computation Offloading in NOMA-Based Multi-Access Edge Computing: A Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 99098-99109.	4.2	34
40	Genetic CFL: Hyperparameter Optimization in Clustered Federated Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.7	33
41	Swarm intelligence for next-generation networks: Recent advances and applications. Journal of Network and Computer Applications, 2021, 191, 103141.	9.1	32
42	A LSTM-FCNN based multi-class intrusion detection using scalable framework. Computers and Electrical Engineering, 2022, 99, 107720.	4.8	32
43	Joint channel and Power Allocation for Device-to-Device Communication on Licensed and Unlicensed Band. IEEE Access, 2019, 7, 22196-22205.	4.2	31
44	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
45	Large Intelligent Surfaces With Discrete Set of Phase-Shifts Communicating Through Double-Rayleigh Fading Channels. IEEE Access, 2021, 9, 20768-20787.	4.2	29
46	Fairness-Aware Spectral and Energy Efficiency in Spectrum-Sharing Wireless Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10207-10219.	6.3	28
47	Deep Reinforcement Learning for Energy-Efficient Federated Learning in UAV-Enabled Wireless Powered Networks. IEEE Communications Letters, 2022, 26, 99-103.	4.1	28
48	Transfer Learning for Wireless Networks: A Comprehensive Survey. Proceedings of the IEEE, 2022, 110, 1073-1115.	21.8	28
49	Joint Computational Offloading and Data-Content Caching in NOMA-MEC Networks. IEEE Access, 2021, 9, 12943-12954.	4.2	27
50	MIMO-OFDM Modulation Classification Using Three-Dimensional Convolutional Network. IEEE Transactions on Vehicular Technology, 2022, 71, 6738-6743.	6.3	24
51	Harris Hawk Optimization: A Survey on Variants and Applications. Computational Intelligence and Neuroscience, 2022, 2022, 1-20.	1.7	24
52	Learning Constellation Map with Deep CNN for Accurate Modulation Recognition. , 2020, , .		23
53	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
54	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

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55	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
56	Energy-Efficient Resource Allocation for IRS-Assisted Multi-Antenna Uplink Systems. IEEE Wireless Communications Letters, 2021, 10, 1261-1265.	5.0	18
57	Blockchain for securing aerial communications: Potentials, solutions, and research directions. Physical Communication, 2021, 47, 101390.	2.1	17
58	RF-UAVNet: High-Performance Convolutional Network for RF-Based Drone Surveillance Systems. IEEE Access, 2022, 10, 49696-49707.	4.2	17
59	Multi-Access Edge Computing Empowered Heterogeneous Networks: A Novel Architecture and Potential Works. Symmetry, 2019, 11, 842.	2.2	16
60	Virtual IoT Service Slice Functions for Multiaccess Edge Computing Platform. IEEE Internet of Things Journal, 2021, 8, 11233-11248.	8.7	16
61	A multi-timescale cross-layer approach for wireless ad hoc networks. Computer Networks, 2015, 91, 471-482.	5.1	15
62	Spectrum Sharing in Cognitive-Radio-Inspired NOMA Systems Under Imperfect SIC and Cochannel Interference. IEEE Systems Journal, 2022, 16, 1540-1547.	4.6	15
63	Aerial Access Networks for Federated Learning: Applications and Challenges. IEEE Network, 2022, 36, 159-166.	6.9	15
64	Resource Allocation for Energy Efficiency in OFDMA-Enabled WPCN. IEEE Wireless Communications Letters, 2020, 9, 2049-2053.	5.0	14
65	Reconfigurable Intelligent Surface Aided Power Control for Physical-Layer Broadcasting. IEEE Transactions on Communications, 2021, 69, 7821-7836.	7.8	14
66	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
67	Accurate Deep CNN-Based Waveform Recognition for Intelligent Radar Systems. IEEE Communications Letters, 2021, 25, 2938-2942.	4.1	13
68	RanNet: Learning Residual-Attention Structure in CNNs for Automatic Modulation Classification. IEEE Wireless Communications Letters, 2022, 11, 1243-1247.	5.0	13
69	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
70	Energy Efficient Mode Selection Scheme for Wireless Powered D2D Communications with NOMA Underlying UAV. , 2020, , .		12
71	Joint Task Offloading and Resource Management in NOMA-Based MEC Systems: A Swarm Intelligence Approach. IEEE Access, 2020, 8, 190463-190474.	4.2	11
72	The Sky is the Edge – Toward Mobile Coverage From the Sky. IEEE Internet Computing, 2021, 25, 101-108.	3.3	11

#	ARTICLE	IF	CITATIONS
73	UAV-Enabled Wireless Backhaul Networks Using Non-Orthogonal Multiple Access. IEEE Access, 2021, 9, 36689-36698.	4.2	11
74	Enhanced Resource Allocation in D2D Communications With NOMA and Unlicensed Spectrum. IEEE Systems Journal, 2022, 16, 2856-2866.	4.6	11
75	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
76	Fair resource allocation in non-orthogonal multiple access systems. IET Communications, 2018, 12, 179-183.	2.2	9
77	CAVMS: Application-Aware Cloudlet Adaption and VM Selection Framework for Multicloudlet Environment. IEEE Systems Journal, 2021, 15, 5098-5106.	4.6	9
78	Chain-Net: Learning Deep Model for Modulation Classification Under Synthetic Channel Impairment. , 2020, , .		9
79	Resource Allocation for AF Relaying Wireless-Powered Networks With Nonlinear Energy Harvester. IEEE Communications Letters, 2021, 25, 229-233.	4.1	8
80	MEIX: Evolving Multi-Access Edge Computing for Industrial Internet-of-Things Services. IEEE Network, 2021, 35, 147-153.	6.9	8
81	Joint Placement, Power Control, and Spectrum Allocation for UAV Wireless Backhaul Networks. IEEE Networking Letters, 2021, 3, 56-60.	1.9	7
82	Deep Learning for Coexistence Radar-Communication Waveform Recognition. , 2021, , .		7
83	Energy-efficient power control for uplink spectrum-sharing heterogeneous networks. International Journal of Communication Systems, 2018, 31, e3717.	2.5	6
84	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
85	Aiding a Disaster Spot via an UAV-Based Mobile AF Relay: Joint Trajectory and Power Optimization. , 2020, , .		5
86	Deep Learning for Constellation-based Modulation Classification under Multipath Fading Channels. , 2020, , .		5
87	FastMDE: A Fast CNN Architecture for Monocular Depth Estimation at High Resolution. IEEE Access, 2022, 10, 16111-16122.	4.2	5
88	Network utility maximization in multipath lossy wireless networks. International Journal of Communication Systems, 2017, 30, e3094.	2.5	4
89	An Indoor Positioning and Navigation System Using Named Data Networking. IEEE Access, 2020, 8, 196408-196424.	4.2	4
90	Covert communication with noise and channel uncertainties. Wireless Networks, 2022, 28, 161-172.	3.0	4

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91	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
92	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
93	A Study on Computation Offloading in MEC Systems using Whale Optimization Algorithm. , 2020, , .		3
94	Efficient RSU Selection Scheme for Fog-Based Vehicular Software-Defined Network. IEEE Transactions on Vehicular Technology, 2021, 70, 12126-12141.	6.3	3
95	Intelligent Reflecting Surface Aided Wireless Networks: Harris Hawks Optimization for Beamforming Design. , 2020, , .		3
96	Computation offloading in cognitive radio NOMA-enabled multi-access edge computing systems. IET Communications, 2020, 14, 3404-3409.	2.2	3
97	Deep Learning-based Automatic Modulation Classification for Wireless OFDM Communications. , 2021, , .		3
98	Densely-Accumulated Convolutional Network for Accurate LPI Radar Waveform Recognition. , 2021, , .		2
99	Automatic Modulation Classification with Low-Cost Attention Network for Impaired OFDM Signals. , 2022, , .		2
100	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
101	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
102	Access Control and Pilot Allocation for Machine-Type Communications in Crowded Massive MIMO Systems. Symmetry, 2019, 11, 1272.	2.2	1
103	Vulnerabilities in Fog/Edge Computing from Architectural Perspectives. Advances in Information Security, 2021, , 193-212.	1.2	1