Hung V Nguyen

List of Publications by Year in Descending Order

36 papers	555 citations	13 h-index	22 g-index
38 ext. papers	666 ext. citations	7.9 avg, IF	4.14 L-index

#	Paper	IF	Citations
36	Quantum Topological Error Correction Codes are Capable of Improving the Performance of Clifford Gates. *IEEE Access*, **2019**, 7, 121501-121529	3.5	8
35	Quantum Search Algorithms for Wireless Communications. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 1209-1242	37.1	45
34	Duality of Quantum and Classical Error Correction Codes: Design Principles and Examples. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 970-1010	37.1	28
33	Quantum Topological Error Correction Codes: The Classical-to-Quantum Isomorphism Perspective. *IEEE Access*, **2018**, 6, 13729-13757	3.5	14
32	Joint-Alphabet Space Time Shift Keying in mm-Wave Non-Orthogonal Multiple Access. *IEEE Access*, **2018**, 6, 22602-22621	3.5	10
31	A Quantum-Search-Aided Dynamic Programming Framework for Pareto Optimal Routing in Wireless Multihop Networks. *IEEE Transactions on Communications*, **2018**, 66, 3485-3500	6.9	12
30	A Survey on Quantum Channel Capacities. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 1149-1205	37.1	127
29	Design and Security Analysis of Quantum Key Distribution Protocol Over Free-Space Optics Using Dual-Threshold Direct-Detection Receiver. *IEEE Access*, **2018**, 6, 4159-4175	3.5	26
28	Quantum-Aided Multi-Objective Routing Optimization Using Back-Tracing-Aided Dynamic Programming. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 7856-7860	6.8	5
27	A Network-Coding Aided Road-Map of Large-Scale Near-Capacity Cooperative Communications. *IEEE Access*, **2018**, 6, 21592-21620	3.5	7
26	Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. *IEEE Transactions on Communications*, **2018**, 66, 255-264	6.9	14
25	Transmit Antenna Combination Optimization for Generalized Spatial Modulation Systems. *IEEE Access*, **2018**, 6, 41866-41882	3.5	6
24	Network Coding Aided Cooperative Quantum Key Distribution Over Free-Space Optical Channels. *IEEE Access*, **2017**, 5, 12301-12317	3.5	12
23	Reduced-Complexity Iterative Receiver for Improving the IEEE 802.15.7 Convolutional-Coded Color Shift Keying Mode. *IEEE Communications Letters*, **2017**, 21, 2005-2008	3.8	4
22	Quantum Coding Bounds and a Closed-Form Approximation of the Minimum Distance Versus Quantum Coding Rate. *IEEE Access*, **2017**, 5, 11557-11581	3.5	12
21	Quantum-Assisted Indoor Localization for Uplink mm-Wave and Downlink Visible Light Communication Systems. *IEEE Access*, **2017**, 5, 23327-23351	3.5	16
20	Unity-Rate Codes Maximize the Normalized Throughput of ON-OFF Keying Visible Light Communication. *IEEE Photonics Technology Letters*, **2017**, 29, 291-294	2.2	11

19	Towards the Quantum Internet: Generalised Quantum Network Coding for Large-Scale Quantum Communication Networks. *IEEE Access*, **2017**, 5, 17288-17308	3.5	21
18	Quantum-Aided Multi-User Transmission in Non-Orthogonal Multiple Access Systems. *IEEE Access*, **2016**, 4, 7402-7424	3.5	18
17	Fully-Parallel Quantum Turbo Decoder. *IEEE Access*, **2016**, 4, 6073-6085	3.5	3
16	Serially Concatenated Unity-Rate Codes Improve Quantum Codes Without Coding-Rate Reduction. *IEEE Communications Letters*, **2016**, 20, 1916-1919	3.8	5
15	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 1314-1325	6.8	12
14	Performance of Free-Space QKD Systems Using SIM/BPSK and Dual-Threshold/Direct-Detection **2016**,		6
13	Quantum Error Correction Protects Quantum Search Algorithms Against Decoherence. *Scientific Reports*, **2016**, 6, 38095	4.9	12
12	EXIT-Chart Aided Quantum Code Design Improves the Normalised Throughput of Realistic Quantum Devices. *IEEE Access*, **2016**, 4, 10194-10209	3.5	22
11	Near-Capacity Wireless System Design Principles. *IEEE Communications Surveys and Tutorials*, **2015**, 17, 1806-1833	37.1	17
10	Network Coding Aided Cooperative Cognitive Radio for Uplink Transmission **2015**,		2
9	. *IEEE Transactions on Communications*, **2014**, 62, 522-535	6.9	35
8	Network Coded MIMO Aided Cooperative Communications in the Ambulance-and-emergency Area. *Procedia Computer Science*, **2014**, 40, 214-221	1.6	3
7	Irregular Convolution and Unity-Rate Coded Network-Coding for Cooperative Multi-User Communications. *IEEE Transactions on Wireless Communications*, **2013**, 12, 1231-1243	9.6	11
6	Non-Coherent Near-Capacity Network Coding for Cooperative Multi-User Communications. *IEEE Transactions on Communications*, **2012**, 60, 3059-3070	6.9	7
5	Energy-efficient relay aided ad hoc networks using iteratively detected irregular convolutional coded, unity-rate coded and Space-Time Trellis Coded transceivers **2011**,		2
4	Performance Bounds of Network Coding Aided Cooperative Multiuser Systems. *IEEE Signal Processing Letters*, **2011**, 18, 435-438	3.2	13
3	Near-Capacity Network Coding for Cooperative Multi-User Communications **2011**,		4
2	Near-Capacity Non-Coherent Network-Coding Aided Scheme for Cooperative Multi-User Communications **2011**,		1

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