Dimitrios Alanis

List of Publications by Citations

36 papers	738 citations	14 h-index	26 g-index
36 ext. papers	1,001 ext. citations	5.9 avg, IF	4.1 L-index

#	Paper	IF	Citations
36	Quantum-Assisted Routing Optimization for Self-Organizing Networks. *IEEE Access*, **2014**, 2, 614-632	3.5	93
35	The Road From Classical to Quantum Codes: A Hashing Bound Approaching Design Procedure. *IEEE Access*, **2015**, 3, 146-176	3.5	91
34	Low-Complexity Soft-Output Quantum-Assisted Multiuser Detection for Direct-Sequence Spreading and Slow Subcarrier-Hopping Aided SDMA-OFDM Systems. *IEEE Access*, **2014**, 2, 451-472	3.5	52
33	. *IEEE Access*, **2015**, 3, 569-598	3.5	47
32	Quantum Search Algorithms for Wireless Communications. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 1209-1242	37.1	45
31	Fifteen Years of Quantum LDPC Coding and Improved Decoding Strategies. *IEEE Access*, **2015**, 3, 2492-2519	3.5	40
30	Non-Dominated Quantum Iterative Routing Optimization for Wireless Multihop Networks. *IEEE Access*, **2015**, 3, 1704-1728	3.5	32
29	Iterative Quantum-Assisted Multi-User Detection for Multi-Carrier Interleave Division Multiple Access Systems. *IEEE Transactions on Communications*, **2015**, 63, 3713-3727	6.9	28
28	Duality of Quantum and Classical Error Correction Codes: Design Principles and Examples. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 970-1010	37.1	28
27	EXIT-Chart Aided Quantum Code Design Improves the Normalised Throughput of Realistic Quantum Devices. *IEEE Access*, **2016**, 4, 10194-10209	3.5	22
26	Towards the Quantum Internet: Generalised Quantum Network Coding for Large-Scale Quantum Communication Networks. *IEEE Access*, **2017**, 5, 17288-17308	3.5	21
25	Quantum-Aided Multi-User Transmission in Non-Orthogonal Multiple Access Systems. *IEEE Access*, **2016**, 4, 7402-7424	3.5	18
24	Quantum-Assisted Indoor Localization for Uplink mm-Wave and Downlink Visible Light Communication Systems. *IEEE Access*, **2017**, 5, 23327-23351	3.5	16
23	Quantum Topological Error Correction Codes: The Classical-to-Quantum Isomorphism Perspective. *IEEE Access*, **2018**, 6, 13729-13757	3.5	14
22	Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. *IEEE Transactions on Communications*, **2018**, 66, 255-264	6.9	14
21	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 2154-2169	6.8	13
20	Network Coding Aided Cooperative Quantum Key Distribution Over Free-Space Optical Channels. *IEEE Access*, **2017**, 5, 12301-12317	3.5	12

19	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
18	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
17	Construction of Quantum LDPC Codes From Classical Row-Circulant QC-LDPCs. *IEEE Communications Letters*, **2016**, 20, 9-12	3.8	12
16	Quantum Error Correction Protects Quantum Search Algorithms Against Decoherence. *Scientific Reports*, **2016**, 6, 38095	4.9	12
15	Quantum-Assisted Joint Multi-Objective Routing and Load Balancing for Socially-Aware Networks. *IEEE Access*, **2016**, 4, 9993-10028	3.5	11
14	Unity-Rate Codes Maximize the Normalized Throughput of ON□FF Keying Visible Light Communication. *IEEE Photonics Technology Letters*, **2017**, 29, 291-294	2.2	11
13	Joint-Alphabet Space Time Shift Keying in mm-Wave Non-Orthogonal Multiple Access. *IEEE Access*, **2018**, 6, 22602-22621	3.5	10
12	Joint Quantum-Assisted Channel Estimation and Data Detection. *IEEE Access*, **2016**, 4, 7658-7681	3.5	10
11	Network Association in Machine-Learning Aided Cognitive Radar and Communication Co-Design. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 2322-2336	14.2	10
10	Near-Capacity Multilayered Code Design for LACO-OFDM-Aided Optical Wireless Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 4051-4054	6.8	8
9	Quantum Topological Error Correction Codes are Capable of Improving the Performance of Clifford Gates. *IEEE Access*, **2019**, 7, 121501-121529	3.5	8
8	Quantum Search-Aided Multi-User Detection of IDMA-Assisted Multi-Layered Video Streaming. *IEEE Access*, **2017**, 5, 23233-23255	3.5	8
7	Quantum-Aided Multi-Objective Routing Optimization Using Back-Tracing-Aided Dynamic Programming. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 7856-7860	6.8	5
6	Serially Concatenated Unity-Rate Codes Improve Quantum Codes Without Coding-Rate Reduction. *IEEE Communications Letters*, **2016**, 20, 1916-1919	3.8	5
5	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
4	Quantum Turbo Decoding for Quantum Channels Exhibiting Memory. *IEEE Access*, **2018**, 6, 12369-12381	3.5	4
3	Coherent versus Non-Coherent Quantum-Assisted Solutions in Wireless Systems. *IEEE Wireless Communications*, **2017**, 24, 144-153	13.4	4
2	Fully-Parallel Quantum Turbo Decoder. *IEEE Access*, **2016**, 4, 6073-6085	3.5	3

1	Air-to-Ground NOMA Systems for the Internet-Above-the-Clouds *IEEE Access*, **2018**, 6, 47442-47460	3.5	3