

Dimitrios Alanis

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Near-Capacity Multilayered Code Design for LACO-OFDM-Aided Optical Wireless Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 4051-4054	6.8	8
35	Network Association in Machine-Learning Aided Cognitive Radar and Communication Co-Design. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2322-2336	14.2	10
34	Quantum Topological Error Correction Codes are Capable of Improving the Performance of Clifford Gates. <i>IEEE Access</i> , 2019 , 7, 121501-121529	3.5	8
33	Quantum Search Algorithms for Wireless Communications. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 1209-1242	37.1	45
32	Duality of Quantum and Classical Error Correction Codes: Design Principles and Examples. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 970-1010	37.1	28
31	Quantum Turbo Decoding for Quantum Channels Exhibiting Memory. <i>IEEE Access</i> , 2018 , 6, 12369-12381	3.5	4
30	Quantum Topological Error Correction Codes: The Classical-to-Quantum Isomorphism Perspective. <i>IEEE Access</i> , 2018 , 6, 13729-13757	3.5	14
29	Joint-Alphabet Space Time Shift Keying in mm-Wave Non-Orthogonal Multiple Access. <i>IEEE Access</i> , 2018 , 6, 22602-22621	3.5	10
28	A Quantum-Search-Aided Dynamic Programming Framework for Pareto Optimal Routing in Wireless Multihop Networks. <i>IEEE Transactions on Communications</i> , 2018 , 66, 3485-3500	6.9	12
27	Quantum-Aided Multi-Objective Routing Optimization Using Back-Tracing-Aided Dynamic Programming. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7856-7860	6.8	5
26	Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. <i>IEEE Transactions on Communications</i> , 2018 , 66, 255-264	6.9	14
25	Air-to-Ground NOMA Systems for the Internet-Above-the-Clouds. <i>IEEE Access</i> , 2018 , 6, 47442-47460	3.5	3
24	Network Coding Aided Cooperative Quantum Key Distribution Over Free-Space Optical Channels. <i>IEEE Access</i> , 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. <i>IEEE Communications Letters</i> , 2017 , 21, 2005-2008	3.8	4
22	Quantum Coding Bounds and a Closed-Form Approximation of the Minimum Distance Versus Quantum Coding Rate. <i>IEEE Access</i> , 2017 , 5, 11557-11581	3.5	12
21	Coherent versus Non-Coherent Quantum-Assisted Solutions in Wireless Systems. <i>IEEE Wireless Communications</i> , 2017 , 24, 144-153	13.4	4
20	Quantum-Assisted Indoor Localization for Uplink mm-Wave and Downlink Visible Light Communication Systems. <i>IEEE Access</i> , 2017 , 5, 23327-23351	3.5	16

19	Unity-Rate Codes Maximize the Normalized Throughput of ON/OFF Keying Visible Light Communication. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 291-294	2.2	11
18	Quantum Search-Aided Multi-User Detection of IDMA-Assisted Multi-Layered Video Streaming. <i>IEEE Access</i> , 2017 , 5, 23233-23255	3.5	8
17	Towards the Quantum Internet: Generalised Quantum Network Coding for Large-Scale Quantum Communication Networks. <i>IEEE Access</i> , 2017 , 5, 17288-17308	3.5	21
16	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2154-2169	6.8	13
15	Joint Quantum-Assisted Channel Estimation and Data Detection. <i>IEEE Access</i> , 2016 , 4, 7658-7681	3.5	10
14	Quantum-Aided Multi-User Transmission in Non-Orthogonal Multiple Access Systems. <i>IEEE Access</i> , 2016 , 4, 7402-7424	3.5	18
13	Fully-Parallel Quantum Turbo Decoder. <i>IEEE Access</i> , 2016 , 4, 6073-6085	3.5	3
12	Quantum-Assisted Joint Multi-Objective Routing and Load Balancing for Socially-Aware Networks. <i>IEEE Access</i> , 2016 , 4, 9993-10028	3.5	11
11	Serially Concatenated Unity-Rate Codes Improve Quantum Codes Without Coding-Rate Reduction. <i>IEEE Communications Letters</i> , 2016 , 20, 1916-1919	3.8	5
10	Construction of Quantum LDPC Codes From Classical Row-Circulant QC-LDPCs. <i>IEEE Communications Letters</i> , 2016 , 20, 9-12	3.8	12
9	Quantum Error Correction Protects Quantum Search Algorithms Against Decoherence. <i>Scientific Reports</i> , 2016 , 6, 38095	4.9	12
8	EXIT-Chart Aided Quantum Code Design Improves the Normalised Throughput of Realistic Quantum Devices. <i>IEEE Access</i> , 2016 , 4, 10194-10209	3.5	22
7	The Road From Classical to Quantum Codes: A Hashing Bound Approaching Design Procedure. <i>IEEE Access</i> , 2015 , 3, 146-176	3.5	91
6	Iterative Quantum-Assisted Multi-User Detection for Multi-Carrier Interleave Division Multiple Access Systems. <i>IEEE Transactions on Communications</i> , 2015 , 63, 3713-3727	6.9	28
5	. <i>IEEE Access</i> , 2015 , 3, 569-598	3.5	47
4	Fifteen Years of Quantum LDPC Coding and Improved Decoding Strategies. <i>IEEE Access</i> , 2015 , 3, 2492-2519	3.5	40
3	Non-Dominated Quantum Iterative Routing Optimization for Wireless Multihop Networks. <i>IEEE Access</i> , 2015 , 3, 1704-1728	3.5	32
2	Quantum-Assisted Routing Optimization for Self-Organizing Networks. <i>IEEE Access</i> , 2014 , 2, 614-632	3.5	93

- 1 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