

Dimitrios Alanis

List of Publications by Year in descending order

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36
papers

1,109
citations

430442

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36
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36
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-Assisted Routing Optimization for Self-Organizing Networks. IEEE Access, 2014, 2, 614-632.	2.6	157
2	The Road From Classical to Quantum Codes: A Hashing Bound Approaching Design Procedure. IEEE Access, 2015, 3, 146-176.	2.6	142
3	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.	2.6	82
4	Noncoherent Quantum Multiple Symbol Differential Detection for Wireless Systems. IEEE Access, 2015, 3, 569-598.	2.6	74
5	Quantum Search Algorithms for Wireless Communications. IEEE Communications Surveys and Tutorials, 2019, 21, 1209-1242.	24.8	74
6	Fifteen Years of Quantum LDPC Coding and Improved Decoding Strategies. IEEE Access, 2015, 3, 2492-2519.	2.6	61
7	Non-Dominated Quantum Iterative Routing Optimization for Wireless Multihop Networks. IEEE Access, 2015, 3, 1704-1728.	2.6	50
8	Duality of Quantum and Classical Error Correction Codes: Design Principles and Examples. IEEE Communications Surveys and Tutorials, 2019, 21, 970-1010.	24.8	38
9	Iterative Quantum-Assisted Multi-User Detection for Multi-Carrier Interleave Division Multiple Access Systems. IEEE Transactions on Communications, 2015, 63, 3713-3727.	4.9	37
10	Towards the Quantum Internet: Generalised Quantum Network Coding for Large-Scale Quantum Communication Networks. IEEE Access, 2017, 5, 17288-17308.	2.6	34
11	Quantum Error Correction Protects Quantum Search Algorithms Against Decoherence. Scientific Reports, 2016, 6, 38095.	1.6	28
12	Quantum-Assisted Indoor Localization for Uplink mm-Wave and Downlink Visible Light Communication Systems. IEEE Access, 2017, 5, 23327-23351.	2.6	25
13	EXIT-Chart Aided Quantum Code Design Improves the Normalised Throughput of Realistic Quantum Devices. IEEE Access, 2016, 4, 10194-10209.	2.6	24
14	Quantum-Aided Multi-User Transmission in Non-Orthogonal Multiple Access Systems. IEEE Access, 2016, 4, 7402-7424.	2.6	24
15	Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. IEEE Transactions on Communications, 2018, 66, 255-264.	4.9	23
16	Joint Quantum-Assisted Channel Estimation and Data Detection. IEEE Access, 2016, 4, 7658-7681.	2.6	19
17	Quantum Topological Error Correction Codes: The Classical-to-Quantum Isomorphism Perspective. IEEE Access, 2018, 6, 13729-13757.	2.6	19
18	Network Association in Machine-Learning Aided Cognitive Radar and Communication Co-Design. IEEE Journal on Selected Areas in Communications, 2019, 37, 2322-2336.	9.7	19

#	ARTICLE	IF	CITATIONS
19	Unity-Rate Codes Maximize the Normalized Throughput of ONâ€œOFF Keying Visible Light Communication. IEEE Photonics Technology Letters, 2017, 29, 291-294.	1.3	17
20	Network Coding Aided Cooperative Quantum Key Distribution Over Free-Space Optical Channels. IEEE Access, 2017, 5, 12301-12317.	2.6	16
21	Is the Low-Complexity Mobile-Relay-Aided FFR-DAS Capable of Outperforming the High-Complexity CoMP?. IEEE Transactions on Vehicular Technology, 2016, 65, 2154-2169.	3.9	15
22	A Quantum-Search-Aided Dynamic Programming Framework for Pareto Optimal Routing in Wireless Multihop Networks. IEEE Transactions on Communications, 2018, 66, 3485-3500.	4.9	14
23	Quantum-Assisted Joint Multi-Objective Routing and Load Balancing for Socially-Aware Networks. IEEE Access, 2016, 4, 9993-10028.	2.6	13
24	Construction of Quantum LDPC Codes From Classical Row-Circulant QC-LDPCs. IEEE Communications Letters, 2016, 20, 9-12.	2.5	13
25	Quantum Coding Bounds and a Closed-Form Approximation of the Minimum Distance Versus Quantum Coding Rate. IEEE Access, 2017, 5, 11557-11581.	2.6	13
26	Joint-Alphabet Space Time Shift Keying in mm-Wave Non-Orthogonal Multiple Access. IEEE Access, 2018, 6, 22602-22621.	2.6	11
27	Quantum-Aided Multi-Objective Routing Optimization Using Back-Tracing-Aided Dynamic Programming. IEEE Transactions on Vehicular Technology, 2018, 67, 7856-7860.	3.9	11
28	Near-Capacity Multilayered Code Design for LACO-OFDM-Aided Optical Wireless Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 4051-4054.	3.9	10
29	Quantum Search-Aided Multi-User Detection of IDMA-Assisted Multi-Layered Video Streaming. IEEE Access, 2017, 5, 23233-23255.	2.6	9
30	Quantum Topological Error Correction Codes are Capable of Improving the Performance of Clifford Gates. IEEE Access, 2019, 7, 121501-121529.	2.6	8
31	Serially Concatenated Unity-Rate Codes Improve Quantum Codes Without Coding-Rate Reduction. IEEE Communications Letters, 2016, 20, 1916-1919.	2.5	7
32	Quantum Turbo Decoding for Quantum Channels Exhibiting Memory. IEEE Access, 2018, 6, 12369-12381.	2.6	5
33	Air-to-Ground NOMA Systems for the â€œInternet-Above-the-Cloudsâ€• IEEE Access, 2018, 6, 47442-47460.	2.6	5
34	Fully-Parallel Quantum Turbo Decoder. IEEE Access, 2016, 4, 6073-6085.	2.6	4
35	Reduced-Complexity Iterative Receiver for Improving the IEEE 802.15.7 Convolutional-Coded Color Shift Keying Mode. IEEE Communications Letters, 2017, 21, 2005-2008.	2.5	4
36	Coherent versus Non-Coherent Quantum-Assisted Solutions in Wireless Systems. IEEE Wireless Communications, 2017, 24, 144-153.	6.6	4