

Panagiotis Botsinis

List of Publications by Citations

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37
papers

838
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37
ext. papers

1,145
ext. citations

5.6
avg, IF

4.26
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 37 | Quantum-Assisted Routing Optimization for Self-Organizing Networks. <i>IEEE Access</i> , 2014 , 2, 614-632 | 3.5 | 93 |
| 36 | The Road From Classical to Quantum Codes: A Hashing Bound Approaching Design Procedure. <i>IEEE Access</i> , 2015 , 3, 146-176 | 3.5 | 91 |
| 35 | Quantum Search Algorithms, Quantum Wireless, and a Low-Complexity Maximum Likelihood Iterative Quantum Multi-User Detector Design. <i>IEEE Access</i> , 2013 , 1, 94-122 | 3.5 | 86 |
| 34 | Low-Complexity Soft-Output Quantum-Assisted Multiuser Detection for Direct-Sequence Spreading and Slow Subcarrier-Hopping Aided SDMA-OFDM Systems. <i>IEEE Access</i> , 2014 , 2, 451-472 | 3.5 | 52 |
| 33 | . <i>IEEE Access</i> , 2015 , 3, 569-598 | 3.5 | 47 |
| 32 | Quantum Search Algorithms for Wireless Communications. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 1209-1242 | 37.1 | 45 |
| 31 | Fifteen Years of Quantum LDPC Coding and Improved Decoding Strategies. <i>IEEE Access</i> , 2015 , 3, 2492-2519 | 3.5 | 40 |
| 30 | Non-Dominated Quantum Iterative Routing Optimization for Wireless Multihop Networks. <i>IEEE Access</i> , 2015 , 3, 1704-1728 | 3.5 | 32 |
| 29 | Fixed-Complexity Quantum-Assisted Multi-User Detection for CDMA and SDMA. <i>IEEE Transactions on Communications</i> , 2014 , 62, 990-1000 | 6.9 | 30 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | Quantum-Aided Multi-User Transmission in Non-Orthogonal Multiple Access Systems. <i>IEEE Access</i> , 2016 , 4, 7402-7424 | 3.5 | 18 |
| 23 | 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 |
| 22 | Quantum Topological Error Correction Codes: The Classical-to-Quantum Isomorphism Perspective. <i>IEEE Access</i> , 2018 , 6, 13729-13757 | 3.5 | 14 |
| 21 | Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. <i>IEEE Transactions on Communications</i> , 2018 , 66, 255-264 | 6.9 | 14 |

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| 20 | 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 |
| 19 | 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 |
| 18 | Construction of Quantum LDPC Codes From Classical Row-Circulant QC-LDPCs. <i>IEEE Communications Letters</i> , 2016 , 20, 9-12 | 3.8 | 12 |
| 17 | Quantum Error Correction Protects Quantum Search Algorithms Against Decoherence. <i>Scientific Reports</i> , 2016 , 6, 38095 | 4.9 | 12 |
| 16 | Reduced-RF-Chain Aided Soft-Decision Multi-Set Steered Space-Time Shift-Keying for Millimeter-Wave Communications. <i>IEEE Access</i> , 2017 , 5, 7223-7243 | 3.5 | 11 |
| 15 | Quantum-Assisted Joint Multi-Objective Routing and Load Balancing for Socially-Aware Networks. <i>IEEE Access</i> , 2016 , 4, 9993-10028 | 3.5 | 11 |
| 14 | 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 |
| 13 | Joint-Alphabet Space Time Shift Keying in mm-Wave Non-Orthogonal Multiple Access. <i>IEEE Access</i> , 2018 , 6, 22602-22621 | 3.5 | 10 |
| 12 | Joint Quantum-Assisted Channel Estimation and Data Detection. <i>IEEE Access</i> , 2016 , 4, 7658-7681 | 3.5 | 10 |
| 11 | 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 |
| 10 | 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 |
| 9 | Quantum Search-Aided Multi-User Detection of IDMA-Assisted Multi-Layered Video Streaming. <i>IEEE Access</i> , 2017 , 5, 23233-23255 | 3.5 | 8 |
| 8 | Low-complexity iterative quantum multi-user detection in SDMA systems 2014 , | | 8 |
| 7 | 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 |
| 6 | Serially Concatenated Unity-Rate Codes Improve Quantum Codes Without Coding-Rate Reduction. <i>IEEE Communications Letters</i> , 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. <i>IEEE Communications Letters</i> , 2017 , 21, 2005-2008 | 3.8 | 4 |
| 4 | Quantum Turbo Decoding for Quantum Channels Exhibiting Memory. <i>IEEE Access</i> , 2018 , 6, 12369-12381 | 3.5 | 4 |
| 3 | Coherent versus Non-Coherent Quantum-Assisted Solutions in Wireless Systems. <i>IEEE Wireless Communications</i> , 2017 , 24, 144-153 | 13.4 | 4 |

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| 2 | Fully-Parallel Quantum Turbo Decoder. <i>IEEE Access</i> , 2016 , 4, 6073-6085 | 3.5 | 3 |
| 1 | Air-to-Ground NOMA Systems for the Internet-Above-the-Clouds. <i>IEEE Access</i> , 2018 , 6, 47442-47460 | 3.5 | 3 |