# Burhan Gulbahar

List of Publications by Year
in descending order

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|---|---|---|---|
| 25<br>papers | 280<br>citations | 1478505<br>6<br>h-index | 940533<br>16<br>g-index |
| 25<br>all docs | 25<br>docs citations | 25<br>times ranked | 368<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Communication Theoretical Modeling and Analysis of Underwater Magneto-Inductive Wireless Channels. IEEE Transactions on Wireless Communications, 2012, 11, 3326-3334. | 9.2 | 118 |
| 2 | Information Theoretical Optimization Gains in Energy Adaptive Data Gathering and Relaying in Cognitive Radio Sensor Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1788-1796. | 9.2 | 21 |
| 3 | A Communication Theoretical Analysis of Multiple-Access Channel Capacity in Magneto-Inductive Wireless Networks. IEEE Transactions on Communications, 2017, 65, 2594-2607. | 7.8 | 20 |
| 4 | Theoretical Analysis of Magneto-Inductive THz Wireless Communications and Power Transfer With Multi-Layer Graphene Nano-Coils. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 60-70. | 2.1 | 19 |
| 5 | A Communication Theoretical Modeling of Single-Layer Graphene Photodetectors and Efficient Multireceiver Diversity Combining. IEEE Nanotechnology Magazine, 2012, 11, 601-610. | 2.0 | 14 |
| 6 | Network Topology Modulation for Energy and Data Transmission in Internet of Magneto-Inductive Things. , 2016, , . | | 11 |
| 7 | Wireless Internet service providing for 5G with hybrid TV broadcast and visible light communications. , 2017, , . | | 8 |
| 8 | CSSTag: Optical Nanoscale Radar and Particle Tracking for In-Body and Microfluidic Systems With Vibrating Graphene and Resonance Energy Transfer. IEEE Transactions on Nanobioscience, 2017, 16, 905-916. | 3.3 | 8 |
| 9 | Constant Fidelity Entanglement Flow in Quantum Communication Networks. , 2010, , . | | 7 |
| 10 | Nanoscale optical communications modulator and acousto-optic transduction with vibrating graphene and resonance energy transfer. , 2017, , . | | 6 |
| 11 | Energy Harvesting and Magneto-Inductive Communications With Molecular Magnets on Vibrating Graphene and Biomedical Applications in the Kilohertz to Terahertz Band. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 194-206. | 2.1 | 6 |
| 12 | Quantum Spatial Modulation of Optical Channels: Quantum Boosting in Spectral Efficiency. IEEE Communications Letters, 2019, 23, 2026-2030. | 4.1 | 6 |
| 13 | Theoretical Modeling of Viscosity Monitoring with Vibrating Resonance Energy Transfer for Point-of-Care and Environmental Monitoring Applications. Micromachines, 2019, 10, 3. | 2.9 | 6 |
| 14 | A Communication Theoretical Modeling of Single-Walled Carbon Nanotube Optical Nanoreceivers and Broadcast Power Allocation. IEEE Nanotechnology Magazine, 2012, 11, 395-405. | 2.0 | 5 |
| 15 | Preparation and Characterization of Freely-Suspended Graphene Nanomechanical Membrane Devices with Quantum Dots for Point-of-Care Applications. Micromachines, 2020, 11, 104. | 2.9 | 5 |
| 16 | Stochastic Resonance in Graphene Bilayer Optical Nanoreceivers. IEEE Nanotechnology Magazine, 2014, 13, 1107-1117. | 2.0 | 4 |
| 17 | Quantum path computing: computing architecture with propagation paths in multiple plane diffraction of classical sources of fermion and boson particles. Quantum Information Processing, 2019, 18, 1. | 2.2 | 4 |
| 18 | Theory of quantum path computing with Fourier optics and future applications for quantum supremacy, neural networks and nonlinear SchrÃ¶dinger equations. Scientific Reports, 2020, 10, 10968. | 3.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Immune system-inspired evolutionary opportunistic spectrum access in cognitive radio ad hoc networks. , 2010, , . | | 2 |
| 20 | FoVLC: Foveation Based Data Hiding in Display Transmitters for Visible Light Communications. , 2018, , . | | 2 |
| 21 | 3D Neuromorphic Wireless Power Transfer and Energy Transmission Based Synaptic Plasticity. IEEE Access, 2019, 7, 16594-16615. | 4.2 | 2 |
| 22 | Theory of Quantum Path Entanglement and Interference with Multiplane Diffraction of Classical Light Sources. Entropy, 2020, 22, 246. | 2.2 | 2 |
| 23 | MIComp. , 2018, , . | | 1 |
| 24 | Graphene-Based Acousto-Optic Sensors with Vibrating Resonance Energy Transfer and Applications. , 2018, , . | | 0 |
| 25 | Space-track modulation and coding for high density aerial vehicle downlink networks with free space optical and visible light communications. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 2590-2605. | 1.4 | 0 |