

Sahin K Ozdemir

List of Publications by Year in descending order

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198
papers

16,169
citations

36203

51
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15683

125
g-index

202
all docs

202
docs citations

202
times ranked

8914
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Parity-time-symmetric whispering-gallery microcavities. Nature Physics, 2014, 10, 394-398. | 6.5 | 1,892 |
| 2 | Quantum plasmonics. Nature Physics, 2013, 9, 329-340. | 6.5 | 1,255 |
| 3 | Exceptional points enhance sensing in an optical microcavity. Nature, 2017, 548, 192-196. | 13.7 | 1,242 |
| 4 | On-chip single nanoparticle detection and sizing by mode splitting in an ultrahigh-Q microresonator. Nature Photonics, 2010, 4, 46-49. | 15.6 | 987 |
| 5 | Parity-time symmetry and exceptional points in photonics. Nature Materials, 2019, 18, 783-798. | 13.3 | 940 |
| 6 | Loss-induced suppression and revival of lasing. Science, 2014, 346, 328-332. | 6.0 | 748 |
| 7 | Detecting single viruses and nanoparticles using whispering gallery microlasers. Nature Nanotechnology, 2011, 6, 428-432. | 15.6 | 571 |
| 8 | $\langle \text{PT} \rangle$ -Symmetric Phonon Laser. Physical Review Letters, 2014, 113, 053604. | 2.9 | 502 |
| 9 | Whispering gallery microcavity lasers. Laser and Photonics Reviews, 2013, 7, 60-82. | 4.4 | 465 |
| 10 | Chiral modes and directional lasing at exceptional points. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6845-6850. | 3.3 | 422 |
| 11 | What is and what is not electromagnetically induced transparency in whispering-gallery microcavities. Nature Communications, 2014, 5, 5082. | 5.8 | 390 |
| 12 | $\langle \text{PT} \rangle$ -Symmetric Cavities: Enhanced Sensitivity near the $\langle \text{PT} \rangle$ -Phase Transition. Physical Review Letters | 2.9 | 290 |
| 13 | A phonon laser operating at an exceptional point. Nature Photonics, 2018, 12, 479-484. | 15.6 | 264 |
| 14 | Optomechanically-induced transparency in parity-time-symmetric microresonators. Scientific Reports, 2015, 5, 9663. | 1.6 | 261 |
| 15 | Fabrication of high-Q polydimethylsiloxane optical microspheres for thermal sensing. Applied Physics Letters, 2009, 94, . | 1.5 | 242 |
| 16 | Experimental extraction of an entangled photon pair from two identically decohered pairs. Nature, 2003, 421, 343-346. | 13.7 | 195 |
| 17 | Highly sensitive detection of nanoparticles with a self-referenced and self-heterodyned whispering-gallery Raman microlaser. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3836-44. | 3.3 | 192 |
| 18 | Optomechanically induced stochastic resonance and chaos transfer between optical fields. Nature Photonics, 2016, 10, 399-405. | 15.6 | 185 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Temperature effects on surface plasmon resonance: design considerations for an optical temperature sensor. <i>Journal of Lightwave Technology</i> , 2003, 21, 805-814. | 2.7 | 170 |
| 20 | High-order exceptional points in optomechanics. <i>Scientific Reports</i> , 2017, 7, 3386. | 1.6 | 151 |
| 21 | Sensing with Exceptional Surfaces in Order to Combine Sensitivity with Robustness. <i>Physical Review Letters</i> , 2019, 122, 153902. | 2.9 | 141 |
| 22 | Controlled manipulation of mode splitting in an optical microcavity by two Rayleigh scatterers. <i>Optics Express</i> , 2010, 18, 23535. | 1.7 | 129 |
| 23 | The dawn of non-Hermitian optics. <i>Communications Physics</i> , 2019, 2, . | 2.0 | 121 |
| 24 | Twofold transition in PT -symmetric coupled oscillators. <i>Physical Review A</i> , 2013, 88, . | 1.0 | 116 |
| 25 | A Robust and Tunable Add-Drop Filter Using Whispering Gallery Mode Microtoroid Resonator. <i>Journal of Lightwave Technology</i> , 2012, 30, 3306-3315. | 2.7 | 110 |
| 26 | Giant nonlinearity via breaking parity-time symmetry: A route to low-threshold phonon diodes. <i>Physical Review B</i> , 2015, 92, . | 1.1 | 103 |
| 27 | Exceptional Points in Random-Defect Phonon Lasers. <i>Physical Review Applied</i> , 2017, 8, . | 1.5 | 98 |
| 28 | Single virus and nanoparticle size spectrometry by whispering-gallery-mode microcavities. <i>Optics Express</i> , 2011, 19, 16195. | 1.7 | 87 |
| 29 | Local Transformation of Two Einstein-Podolsky-Rosen Photon Pairs into a Three-Photon W State. <i>Physical Review Letters</i> , 2009, 102, 130502. | 2.9 | 86 |
| 30 | Observation of Quantum Interference in the Plasmonic Hong-Ou-Mandel Effect. <i>Physical Review Applied</i> , 2014, 1, . | 1.5 | 86 |
| 31 | Quantum Statistics of Surface Plasmon Polaritons in Metallic Stripe Waveguides. <i>Nano Letters</i> , 2012, 12, 2504-2508. | 4.5 | 84 |
| 32 | Faithful Qubit Distribution Assisted by One Additional Qubit against Collective Noise. <i>Physical Review Letters</i> , 2005, 95, 040503. | 2.9 | 83 |
| 33 | Nanoparticle sensing with a spinning resonator. <i>Optica</i> , 2018, 5, 1424. | 4.8 | 81 |
| 34 | Quantum nondemolition measurement of photon number via optical Kerr effect in an ultra-high-Q microtoroid cavity. <i>Optics Express</i> , 2008, 16, 21462. | 1.7 | 80 |
| 35 | PT -symmetric circuit QED. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 79 |
| 36 | Parity-time-symmetric whispering-gallery mode nanoparticle sensor [Invited]. <i>Photonics Research</i> , 2018, 6, A23. | 3.4 | 79 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Quantum-scissors device for optical state truncation: A proposal for practical realization. Physical Review A, 2001, 64, . | 1.0 | 77 |
| 38 | Elementary optical gate for expanding an entanglement web. Physical Review A, 2008, 77, . | 1.0 | 77 |
| 39 | Fusing multiple W states simultaneously with a Fredkin gate. Physical Review A, 2014, 89, . | 1.0 | 69 |
| 40 | Controllable optical response by modifying the gain and loss of a mechanical resonator and cavity mode in an optomechanical system. Physical Review A, 2017, 95, . | 1.0 | 67 |
| 41 | Oscillatory thermal dynamics in high-Q PDMS-coated silica toroidal microresonators. Optics Express, 2009, 17, 9571. | 1.7 | 66 |
| 42 | Local expansion of photonic W state using a polarization-dependent beamsplitter. New Journal of Physics, 2009, 11, 023024. | 1.2 | 63 |
| 43 | An optical fusion gate for W -states. New Journal of Physics, 2011, 13, 103003. | 1.2 | 63 |
| 44 | Titanium Dioxide Whispering Gallery Microcavities. Advanced Optical Materials, 2014, 2, 711-717. | 3.6 | 59 |
| 45 | Encapsulation of a Fiber Taper Coupled Microtoroid Resonator in a Polymer Matrix. IEEE Photonics Technology Letters, 2013, 25, 1458-1461. | 1.3 | 58 |
| 46 | Photonic molecules formed by coupled hybrid resonators. Optics Letters, 2012, 37, 3435. | 1.7 | 57 |
| 47 | Dynamic Fano-like resonances in erbium-doped whispering-gallery-mode microresonators. Applied Physics Letters, 2014, 105, . | 1.5 | 57 |
| 48 | Chiral and degenerate perfect absorption on exceptional surfaces. Nature Communications, 2022, 13, 599. | 5.8 | 55 |
| 49 | Ultrasensitive detection of mode splitting in active optical microcavities. Physical Review A, 2010, 82, . | 1.0 | 54 |
| 50 | Tunable add-drop filter using an active whispering gallery mode microcavity. Applied Physics Letters, 2013, 103, 181103. | 1.5 | 54 |
| 51 | Robust photonic entanglement distribution by state-independent encoding onto decoherence-free subspace. Nature Photonics, 2008, 2, 488-491. | 15.6 | 53 |
| 52 | Demonstration of mode splitting in an optical microcavity in aqueous environment. Applied Physics Letters, 2010, 97, . | 1.5 | 53 |
| 53 | Teleportation of qubit states through dissipative channels: Conditions for surpassing the no-cloning limit. Physical Review A, 2007, 76, . | 1.0 | 51 |
| 54 | Self-mixing laser speckle velocimeter for blood flow measurement. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 1029-1035. | 2.4 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Generation of maximum spin entanglement induced by a cavity field in quantum-dot systems. <i>Physical Review A</i> , 2002, 65, . | 1.0 | 49 |
| 56 | Demonstration of Local Expansion Toward Large-Scale Entangled Webs. <i>Physical Review Letters</i> , 2010, 105, 210503. | 2.9 | 45 |
| 57 | Interfacing whispering-gallery microresonators and free space light with cavity enhanced Rayleigh scattering. <i>Scientific Reports</i> , 2014, 4, 6396. | 1.6 | 45 |
| 58 | Raman lasing and Fano lineshapes in a packaged fiber-coupled whispering-gallery-mode microresonator. <i>Science Bulletin</i> , 2017, 62, 875-878. | 4.3 | 45 |
| 59 | Lithium-Niobate-Silica Hybrid Whispering-Gallery-Mode Resonators. <i>Advanced Materials</i> , 2015, 27, 8075-8081. | 11.1 | 44 |
| 60 | Biological physically unclonable function. <i>Communications Physics</i> , 2019, 2, . | 2.0 | 44 |
| 61 | Surface-enhanced Raman scattering on dielectric microspheres with whispering gallery mode resonance. <i>Photonics Research</i> , 2018, 6, 346. | 3.4 | 43 |
| 62 | Scully-Lamb quantum laser model for parity-time-symmetric whispering-gallery microcavities: Gain saturation effects and nonreciprocity. <i>Physical Review A</i> , 2019, 99, . | 1.0 | 43 |
| 63 | A necessary and sufficient condition to play games in quantum mechanical settings. <i>New Journal of Physics</i> , 2007, 9, 43-43. | 1.2 | 42 |
| 64 | Plasmon Injection to Compensate and Control Losses in Negative Index Metamaterials. <i>Physical Review Letters</i> , 2015, 115, 035502. | 2.9 | 42 |
| 65 | Hierarchical Construction of Higher-Order Exceptional Points. <i>Physical Review Letters</i> , 2020, 125, 203602. | 2.9 | 41 |
| 66 | Kraus representation of a damped harmonic oscillator and its application. <i>Physical Review A</i> , 2004, 70, . | 1.0 | 40 |
| 67 | Observation and characterization of mode splitting in microsphere resonators in aquatic environment. <i>Applied Physics Letters</i> , 2011, 98, . | 1.5 | 40 |
| 68 | Estimation of Purcell factor from mode-splitting spectra in an optical microcavity. <i>Physical Review A</i> , 2011, 83, . | 1.0 | 38 |
| 69 | Pulse-mode quantum projection synthesis: Effects of mode mismatch on optical state truncation and preparation. <i>Physical Review A</i> , 2002, 66, . | 1.0 | 37 |
| 70 | QUANTUM AND CLASSICAL CORRELATIONS BETWEEN PLAYERS IN GAME THEORY. <i>International Journal of Quantum Information</i> , 2004, 02, 79-89. | 0.6 | 37 |
| 71 | Anomalous time delays and quantum weak measurements in optical micro-resonators. <i>Nature Communications</i> , 2016, 7, 13488. | 5.8 | 37 |
| 72 | Stimulated Brillouin scattering and Brillouin-coupled four-wave-mixing in a silica microbottle resonator. <i>Optics Express</i> , 2016, 24, 12082. | 1.7 | 37 |

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|----|---|-----|-----------|
| 73 | Compact optical instrument for surface classification using self-mixing interference in a laser diode. <i>Optical Engineering</i> , 2001, 40, 38. | 0.5 | 36 |
| 74 | Detection and size measurement of individual hemozoin nanocrystals in aquatic environment using a whispering gallery mode resonator. <i>Optics Express</i> , 2012, 20, 29426. | 1.7 | 36 |
| 75 | Noninvasive blood flow measurement using speckle signals from a self-mixing laser diode: <i>in vitro</i> and <i>in vivo</i> experiments. <i>Optical Engineering</i> , 2000, 39, 2574. | 0.5 | 35 |
| 76 | Quantum advantage does not survive in the presence of a corrupt source: optimal strategies in simultaneous move games. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 325, 104-111. | 0.9 | 35 |
| 77 | A Comparative Study for the Assessment on Blood Flow Measurement Using Self-Mixing Laser Speckle Interferometer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008, 57, 355-363. | 2.4 | 34 |
| 78 | Simultaneous measurement of velocity and length of moving surfaces by a speckle velocimeter with two self-mixing laser diodes. <i>Applied Optics</i> , 1999, 38, 1968. | 2.1 | 32 |
| 79 | Dynamics of entanglement for coherent excitonic states in a system of two coupled quantum dots and cavity QED. <i>Physical Review A</i> , 2002, 65, . | 1.0 | 32 |
| 80 | Gain-Induced Evolution of Mode Splitting Spectra in a High-Q Active Microresonator. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 1626-1633. | 1.0 | 32 |
| 81 | Observation of optomechanical coupling in a microbottle resonator. <i>Laser and Photonics Reviews</i> , 2016, 10, 603-611. | 4.4 | 32 |
| 82 | Entangled states that cannot reproduce original classical games in their quantum version. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 328, 20-25. | 0.9 | 30 |
| 83 | Optical Detection of Single Nanoparticles With a Subwavelength Fiber-Taper. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1346-1348. | 1.3 | 30 |
| 84 | Correlation-based speckle velocimeter with self-mixing interference in a semiconductor laser diode. <i>Applied Optics</i> , 1999, 38, 6859. | 2.1 | 29 |
| 85 | Dynamics of a discoordination game with classical and quantum correlations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 333, 218-231. | 0.9 | 29 |
| 86 | Optimal mirror phase-covariant cloning. <i>Physical Review A</i> , 2009, 80, . | 1.0 | 29 |
| 87 | Distillation of photon entanglement using a plasmonic metamaterial. <i>Scientific Reports</i> , 2016, 5, 18313. | 1.6 | 29 |
| 88 | Phonon amplification in two coupled cavities containing one mechanical resonator. <i>Physical Review A</i> , 2014, 90, . | 1.0 | 28 |
| 89 | Deterministic local doubling of W states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 2313. | 0.9 | 28 |
| 90 | Exceptional Photon Blockade: Engineering Photon Blockade with Chiral Exceptional Points. <i>Laser and Photonics Reviews</i> , 2022, 16, . | 4.4 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Topological engineering of terahertz light using electrically tunable exceptional point singularities. <i>Science</i> , 2022, 376, 184-188. | 6.0 | 27 |
| 92 | Optimal entanglement generation for efficient hybrid quantum repeaters. <i>Physical Review A</i> , 2009, 80, . | 1.0 | 26 |
| 93 | Optothermal spectroscopy of whispering gallery microresonators. <i>Applied Physics Letters</i> , 2011, 99, . | 1.5 | 26 |
| 94 | Nanometre-scale nuclear-spin device for quantum information processing. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S885-S900. | 0.7 | 25 |
| 95 | Statistics of multiple-scatterer-induced frequency splitting in whispering gallery microresonators and microlasers. <i>New Journal of Physics</i> , 2013, 15, 073030. | 1.2 | 25 |
| 96 | Quantum state tomography of large nuclear spins in a semiconductor quantum well: Optimal robustness against errors as quantified by condition numbers. <i>Physical Review B</i> , 2015, 92, . | 1.1 | 25 |
| 97 | Lithium-niobate-silica hybrid whispering-gallery-mode resonators. , 2015, , . | | 23 |
| 98 | Quantum internet using code division multiple access. <i>Scientific Reports</i> , 2013, 3, 2211. | 1.6 | 22 |
| 99 | Quantum entanglement distillation with metamaterials. <i>Optics Express</i> , 2015, 23, 17941. | 1.7 | 22 |
| 100 | Control of spontaneous emission dynamics in microcavities with chiral exceptional surfaces. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 22 |
| 101 | Controlling directional absorption with chiral exceptional surfaces. <i>Optics Letters</i> , 2019, 44, 5242. | 1.7 | 22 |
| 102 | Scatterer induced mode splitting in poly(dimethylsiloxane) coated microresonators. <i>Applied Physics Letters</i> , 2010, 96, . | 1.5 | 21 |
| 103 | Inverted-wedge silica resonators for controlled and stable coupling. <i>Optics Letters</i> , 2014, 39, 1841. | 1.7 | 21 |
| 104 | Photonic multipartite entanglement conversion using nonlocal operations. <i>Physical Review A</i> , 2016, 94, . | 1.0 | 21 |
| 105 | Structural Protein-Based Whispering Gallery Mode Resonators. <i>ACS Photonics</i> , 2017, 4, 2179-2186. | 3.2 | 21 |
| 106 | Raman gain induced mode evolution and on-demand coupling control in whispering-gallery-mode microcavities. <i>Optics Express</i> , 2015, 23, 29573. | 1.7 | 20 |
| 107 | Nonreciprocal optical solitons in a spinning Kerr resonator. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 20 |
| 108 | Visible light emission from a silica microbottle resonator by second- and third-harmonic generation. <i>Optics Letters</i> , 2016, 41, 5793. | 1.7 | 20 |

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|-----|--|-----|-----------|
| 109 | Experimental ancilla-assisted qubit transmission against correlated noise using quantum parity checking. <i>New Journal of Physics</i> , 2007, 9, 191-191. | 1.2 | 19 |
| 110 | Selective truncations of an optical state using projection synthesis. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 379. | 0.9 | 19 |
| 111 | Infrared light detection using a whispering-gallery-mode optical microcavity. <i>Applied Physics Letters</i> , 2014, 104, . | 1.5 | 19 |
| 112 | Compact Toffoli gate using weighted graph states. <i>Physical Review A</i> , 2009, 79, . | 1.0 | 18 |
| 113 | Transient microcavity sensor. <i>Optics Express</i> , 2015, 23, 30067. | 1.7 | 18 |
| 114 | Self-pulsation in fiber-coupled, on-chip microcavity lasers. <i>Optics Letters</i> , 2010, 35, 256. | 1.7 | 17 |
| 115 | Universal gates for transforming multipartite entangled Dicke states. <i>New Journal of Physics</i> , 2014, 16, 023005. | 1.2 | 17 |
| 116 | Gain competition induced mode evolution and resonance control in erbium-doped whispering-gallery microresonators. <i>Optics Express</i> , 2016, 24, 9550. | 1.7 | 17 |
| 117 | Controlling slow and fast light and dynamic pulse-splitting with tunable optical gain in a whispering-gallery-mode microcavity. <i>Applied Physics Letters</i> , 2016, 108, 181105. | 1.5 | 15 |
| 118 | Semiconductor-cavity QED in high-Q regimes: Detuning effect. <i>Physical Review A</i> , 2002, 65, . | 1.0 | 14 |
| 119 | A simple method for characterizing and engineering thermal relaxation of an optical microcavity. <i>Applied Physics Letters</i> , 2016, 109, . | 1.5 | 14 |
| 120 | New perspective on chiral exceptional points with application to discrete photonics. <i>APL Photonics</i> , 2021, 6, . | 3.0 | 14 |
| 121 | Linear response theory of open systems with exceptional points. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 13 |
| 122 | A speckle velocimeter using a semiconductor laser with external optical feedback from a moving surface: effects of system parameters on the reproducibility and accuracy of measurements. <i>Measurement Science and Technology</i> , 2000, 11, 1447-1455. | 1.4 | 12 |
| 123 | Biological One-Way Functions for Secure Key Generation. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800154. | 1.3 | 11 |
| 124 | Optical qubit generation by state truncation using an experimentally feasible scheme. <i>Journal of Modern Optics</i> , 2002, 49, 977-984. | 0.6 | 10 |
| 125 | Label-Free Particle Sensing by Fiber Taper-Based Raman Spectroscopy. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 2093-2096. | 1.3 | 10 |
| 126 | Fermi arcs connect topological degeneracies. <i>Science</i> , 2018, 359, 995-996. | 6.0 | 10 |

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|-----|---|------|-----------|
| 127 | Probing Decoherence in Plasmonic Waveguides in the Quantum Regime. Physical Review Applied, 2018, 9, . | 1.5 | 10 |
| 128 | Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide. New Journal of Physics, 2020, 22, 033008. | 1.2 | 10 |
| 129 | High quality factor silica microspheres functionalized with self-assembled nanomaterials. Optics Express, 2013, 21, 20601. | 1.7 | 9 |
| 130 | Active control of a plasmonic metamaterial for quantum state engineering. Physical Review A, 2018, 97, . | 1.0 | 9 |
| 131 | Controllable oscillatory lateral coupling in a waveguide-microdisk-resonator system. Scientific Reports, 2017, 7, 8045. | 1.6 | 8 |
| 132 | Loss compensation in metamaterials and plasmonics with virtual gain [Invited]. Optical Materials Express, 2020, 10, 1862. | 1.6 | 8 |
| 133 | Effect of Linewidth Enhancement Factor on Doppler Beat Waveform Obtained from a Self-Mixing Laser Diode. Optical Review, 2000, 7, 550-554. | 1.2 | 7 |
| 134 | Ultrasound sensing using a fiber coupled silica microtoroid resonator encapsulated in a polymer. , 2013, , . | | 7 |
| 135 | Ultrafast laser-probing spectroscopy for studying molecular structure of protein aggregates. Analyst, The, 2017, 142, 1434-1441. | 1.7 | 7 |
| 136 | Quantum random number generation using an on-chip plasmonic beamsplitter. Quantum Science and Technology, 2017, 2, 035004. | 2.6 | 7 |
| 137 | Size-dependent decoherence of excitonic states in semiconductor microcrystallites. Physical Review A, 2003, 67, . | 1.0 | 6 |
| 138 | Vertically coupled microresonators and oscillatory mode splitting in photonic molecules. Optics Express, 2015, 23, 30793. | 1.7 | 6 |
| 139 | Bypassing the diffusion limit. Nature Photonics, 2011, 5, 653-654. | 15.6 | 4 |
| 140 | Experimental characterization of a non-local convertor for quantum photonic networks. Optics Express, 2017, 25, 7839. | 1.7 | 4 |
| 141 | Topological lattices lit at the corners. Nature Photonics, 2019, 13, 660-662. | 15.6 | 4 |
| 142 | A self-reference sensing technique for ultra-sensitive chemical and biological detection using whispering gallery microresonators. , 2011, , . | | 3 |
| 143 | Protein-based flexible whispering gallery mode resonators. Proceedings of SPIE, 2016, , . | 0.8 | 3 |
| 144 | Reverse PT phase transition across exceptional points of any order. Europhysics Letters, 2017, 119, 34003. | 0.7 | 3 |

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|-----|---|-----|-----------|
| 145 | Quantum Entanglement and Teleportation of Quantum-Dot States in Microcavities. E-Journal of Surface Science and Nanotechnology, 2007, 5, 51-59. | 0.1 | 3 |
| 146 | Embedding watermark in qubit strings using error correction coding. , 2005, , . | | 2 |
| 147 | Assessment on Self-mixing Laser Interferometry for Blood flow Measurement over Skin Surface. , 2006, , . | | 2 |
| 148 | Raman spectroscopic sensing using whispering gallery microresonators. Proceedings of SPIE, 2013, , . | 0.8 | 2 |
| 149 | Electro-optic tuning of non-Hermiticity in a silicon microring resonator. , 2021, , . | | 2 |
| 150 | Nuclear Spins in a Nanoscale Device for Quantum Information Processing. E-Journal of Surface Science and Nanotechnology, 2006, 4, 669-673. | 0.1 | 2 |
| 151 | Optical qubit generation by linear and nonlinear quantum scissors. , 2003, 5259, 47. | | 1 |
| 152 | Local transformation of two EPR photon pairs into a three-photon W state. , 2009, , . | | 1 |
| 153 | Direct Estimation of Purcell Factor from Scatterer-Induced Mode Splitting Spectra of an Optical Microcavity. , 2011, , . | | 1 |
| 154 | Encapsulation of a microtoroid resonator side-coupled to a fiber taper into a polymer matrix. , 2012, , . | | 1 |
| 155 | Local Transformation of Two EPR Photon Pairs into a Three-Photon W State Using a Polarization Dependent Beamsplitter. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering. 2010, , 39-45. | 0.2 | 1 |
| 156 | Reflection Detection of Nanoparticles using Whispering gallery Microresonators. , 2013, , . | | 1 |
| 157 | Engineering the spectral properties of photonic molecules. , 2013, , . | | 1 |
| 158 | Maximally entangled spin states in equivalent-neighbor systems of quantum dots in a microcavity. , 2003, 5259, 42. | | 0 |
| 159 | Measurement of blood flow over skin surface with a self-mixing laser interferometer. , 0, , . | | 0 |
| 160 | A distribution scheme for qubit over collective-noise channel. , 2005, , . | | 0 |
| 161 | Preparation of a three-photon W state from two EPR photon pairs by LOCC. , 2009, , . | | 0 |
| 162 | Optical detection of nanoparticles by mode splitting in whispering-gallery-mode microcavities. , 2010, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | On-chip single nanoparticle detection using ultra-high-Q whispering gallery microresonator. , 2010, , . | | 0 |
| 164 | Self-Pulsing in On-Chip Er-Doped Microcavity Lasers. , 2010, , . | | 0 |
| 165 | High Q microtoroid and applications. , 2011, , . | | 0 |
| 166 | Interactions of sub-wavelength light scatterers with a Whispering-Gallery-Mode optical microresonator. , 2011, , . | | 0 |
| 167 | Ultra-high-quality Whispering-Gallery-Mode Resonators for Single Nanoparticle Detection and Measurement. , 2011, , . | | 0 |
| 168 | Preparation and Local Manipulation of Photonic W States Using Expansion and Fusion Gates. , 2011, , . | | 0 |
| 169 | Single nanoparticle detection using a microcavity laser. , 2011, , . | | 0 |
| 170 | Superadditivity of quantum channel capacity. , 2012, , . | | 0 |
| 171 | An on-chip tunable add-drop filter using a microtoroid resonator. , 2012, , . | | 0 |
| 172 | On-chip whispering-gallery-mode lasers for sensing applications. , 2012, , . | | 0 |
| 173 | A Tunable Add-Drop Filter Based on Active Microsphere Resonator. , 2013, , . | | 0 |
| 174 | On-chip whispering-gallery-mode microlasers and their applications for nanoparticle sensing. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 175 | An active add-drop filter using an ytterbium and erbium co-doped silica microsphere. , 2013, , . | | 0 |
| 176 | Parity-time (PT)-symmetric optical microcavities. , 2014, , . | | 0 |
| 177 | Observation of quantum interference in the plasmonic Hong-Ou-Mandel effect (presentation video). , 2014, , . | | 0 |
| 178 | Observation of quantum interference in the plasmonic Hong-Ou-Mandel effect. , 2014, , . | | 0 |
| 179 | Quantum Entanglement Distillation Using an Optical Metamaterial. , 2015, , . | | 0 |
| 180 | Stimulated Brillouin scattering coupled four-wave mixing in a microbottle resonator. , 2016, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | On-chip ultrahigh-Q packaged microresonator and applications (Conference Presentation). , 2017, , . | | 0 |
| 182 | Speckle Signal Generation in Self-Mixing Laser Diodes and its Use for Speckle Velocimetry. , 2000, , 41-48. | | 0 |
| 183 | QUBIT-STATE GENERATION USING PROJECTION SYNTHESIS. , 2002, , . | | 0 |
| 184 | Assessment on Self-mixing Laser Interferometry for Blood flow Measurement over Skin Surface. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , . | 0.0 | 0 |
| 185 | An Elementary Optical Gate for Expanding Symmetrically Shared Entanglement. Lecture Notes in Computer Science, 2008, , 70-82. | 1.0 | 0 |
| 186 | PLAYING GAMES IN QUANTUM MECHANICAL SETTINGS: FEATURES OF QUANTUM GAMES. , 2008, , . | | 0 |
| 187 | Nanoparticle Detection in Water by Mode Splitting in An Optical Microresonator. , 2010, , . | | 0 |
| 188 | Scatterer Induced Mode Splitting in Active Microcavities. , 2010, , . | | 0 |
| 189 | Detection and sizing of single nanoparticles by mode splitting in an optical microresonator. , 2010, , . | | 0 |
| 190 | Scatterer Mediated Modal Coupling in Active Optical Microcavities. , 2010, , . | | 0 |
| 191 | On-chip Optical Resonators for Single Nanoparticle Detection and Measurement. , 2011, , . | | 0 |
| 192 | Detecting and measuring single viruses and nanoparticles with an optical microresonator. , 2011, , . | | 0 |
| 193 | Mode Splitting in Whispering-Gallery-Mode Microresonators in Aquatic Environment. , 2011, , . | | 0 |
| 194 | Detection of single nanoparticles using a nano fiber-taper. , 2011, , . | | 0 |
| 195 | Mode splitting based single particle size measurement in water. , 2012, , . | | 0 |
| 196 | Hybrid photonic molecules. , 2012, , . | | 0 |
| 197 | Active tuning of silicon photonic microring resonator towards a chiral exceptional point. , 2020, , . | | 0 |
| 198 | Sensing at Exceptional Points. , 2020, , . | | 0 |