

# Sahin K Ozdemir

## List of Publications by Year in descending order

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198  
papers

16,169  
citations

36303

51  
h-index

15732

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.	16.7	1,892
2	Quantum plasmonics. Nature Physics, 2013, 9, 329-340.	16.7	1,255
3	Exceptional points enhance sensing in an optical microcavity. Nature, 2017, 548, 192-196.	27.8	1,242
4	On-chip single nanoparticle detection and sizing by mode splitting in an ultrahigh-Q microresonator. Nature Photonics, 2010, 4, 46-49.	31.4	987
5	Parity-time symmetry and exceptional points in photonics. Nature Materials, 2019, 18, 783-798.	27.5	940
6	Loss-induced suppression and revival of lasing. Science, 2014, 346, 328-332.	12.6	748
7	Detecting single viruses and nanoparticles using whispering gallery microlasers. Nature Nanotechnology, 2011, 6, 428-432.	31.5	571
8	$PT$ -Symmetric Phonon Laser. Physical Review Letters, 2014, 113, 053604.	7.8	502
9	Whispering gallery microcavity lasers. Laser and Photonics Reviews, 2013, 7, 60-82.	8.7	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.	7.1	422
11	What is and what is not electromagnetically induced transparency in whispering-gallery microcavities. Nature Communications, 2014, 5, 5082.	12.8	390
12	$PT$ -Symmetric Cavities: Enhanced Sensitivity near the $PT$ -Phase Transition. Physical Review Letters	7.8	290
13	A phonon laser operating at an exceptional point. Nature Photonics, 2018, 12, 479-484.	31.4	264
14	Optomechanically-induced transparency in parity-time-symmetric microresonators. Scientific Reports, 2015, 5, 9663.	3.3	261
15	Fabrication of high-Q polydimethylsiloxane optical microspheres for thermal sensing. Applied Physics Letters, 2009, 94, .	3.3	242
16	Experimental extraction of an entangled photon pair from two identically decohered pairs. Nature, 2003, 421, 343-346.	27.8	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.	7.1	192
18	Optomechanically induced stochastic resonance and chaos transfer between optical fields. Nature Photonics, 2016, 10, 399-405.	31.4	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.	4.6	170
20	High-order exceptional points in optomechanics. <i>Scientific Reports</i> , 2017, 7, 3386.	3.3	151
21	Sensing with Exceptional Surfaces in Order to Combine Sensitivity with Robustness. <i>Physical Review Letters</i> , 2019, 122, 153902.	7.8	141
22	Controlled manipulation of mode splitting in an optical microcavity by two Rayleigh scatterers. <i>Optics Express</i> , 2010, 18, 23535.	3.4	129
23	The dawn of non-Hermitian optics. <i>Communications Physics</i> , 2019, 2, .	5.3	121
24	Twofold transition in $\mathcal{PT}$ -symmetric coupled oscillators. <i>Physical Review A</i> , 2013, 88, .	2.5	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.	4.6	110
26	Giant nonlinearity via breaking parity-time symmetry: A route to low-threshold phonon diodes. <i>Physical Review B</i> , 2015, 92, .	3.2	103
27	Exceptional Points in Random-Defect Phonon Lasers. <i>Physical Review Applied</i> , 2017, 8, .	3.8	98
28	Single virus and nanoparticle size spectrometry by whispering-gallery-mode microcavities. <i>Optics Express</i> , 2011, 19, 16195.	3.4	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.	7.8	86
30	Observation of Quantum Interference in the Plasmonic Hong-Ou-Mandel Effect. <i>Physical Review Applied</i> , 2014, 1, .	3.8	86
31	Quantum Statistics of Surface Plasmon Polaritons in Metallic Stripe Waveguides. <i>Nano Letters</i> , 2012, 12, 2504-2508.	9.1	84
32	Faithful Qubit Distribution Assisted by One Additional Qubit against Collective Noise. <i>Physical Review Letters</i> , 2005, 95, 040503.	7.8	83
33	Nanoparticle sensing with a spinning resonator. <i>Optica</i> , 2018, 5, 1424.	9.3	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.	3.4	80
35	$\mathcal{PT}$ -symmetric circuit QED. <i>Physical Review A</i> , 2018, 97, .	2.5	79
36	Parity-time-symmetric whispering-gallery mode nanoparticle sensor [Invited]. <i>Photonics Research</i> , 2018, 6, A23.	7.0	79

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37	Quantum-scissors device for optical state truncation: A proposal for practical realization. Physical Review A, 2001, 64, .	2.5	77
38	Elementary optical gate for expanding an entanglement web. Physical Review A, 2008, 77, .	2.5	77
39	Fusing multiple $W$ states simultaneously with a Fredkin gate. Physical Review A, 2014, 89, .	2.5	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, .	2.5	67
41	Oscillatory thermal dynamics in high-Q PDMS-coated silica toroidal microresonators. Optics Express, 2009, 17, 9571.	3.4	66
42	Local expansion of photonic $W$ state using a polarization-dependent beamsplitter. New Journal of Physics, 2009, 11, 023024.	2.9	63
43	An optical fusion gate for $W$ -states. New Journal of Physics, 2011, 13, 103003.	2.9	63
44	Titanium Dioxide Whispering Gallery Microcavities. Advanced Optical Materials, 2014, 2, 711-717.	7.3	59
45	Encapsulation of a Fiber Taper Coupled Microtoroid Resonator in a Polymer Matrix. IEEE Photonics Technology Letters, 2013, 25, 1458-1461.	2.5	58
46	Photonic molecules formed by coupled hybrid resonators. Optics Letters, 2012, 37, 3435.	3.3	57
47	Dynamic Fano-like resonances in erbium-doped whispering-gallery-mode microresonators. Applied Physics Letters, 2014, 105, .	3.3	57
48	Chiral and degenerate perfect absorption on exceptional surfaces. Nature Communications, 2022, 13, 599.	12.8	55
49	Ultrasensitive detection of mode splitting in active optical microcavities. Physical Review A, 2010, 82, .	2.5	54
50	Tunable add-drop filter using an active whispering gallery mode microcavity. Applied Physics Letters, 2013, 103, 181103.	3.3	54
51	Robust photonic entanglement distribution by state-independent encoding onto decoherence-free subspace. Nature Photonics, 2008, 2, 488-491.	31.4	53
52	Demonstration of mode splitting in an optical microcavity in aqueous environment. Applied Physics Letters, 2010, 97, .	3.3	53
53	Teleportation of qubit states through dissipative channels: Conditions for surpassing the no-cloning limit. Physical Review A, 2007, 76, .	2.5	51
54	Self-mixing laser speckle velocimeter for blood flow measurement. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 1029-1035.	4.7	49

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55	Generation of maximum spin entanglement induced by a cavity field in quantum-dot systems. <i>Physical Review A</i> , 2002, 65, .	2.5	49
56	Demonstration of Local Expansion Toward Large-Scale Entangled Webs. <i>Physical Review Letters</i> , 2010, 105, 210503.	7.8	45
57	Interfacing whispering-gallery microresonators and free space light with cavity enhanced Rayleigh scattering. <i>Scientific Reports</i> , 2014, 4, 6396.	3.3	45
58	Raman lasing and Fano lineshapes in a packaged fiber-coupled whispering-gallery-mode microresonator. <i>Science Bulletin</i> , 2017, 62, 875-878.	9.0	45
59	Lithium-Niobate-Silica Hybrid Whispering-Gallery-Mode Resonators. <i>Advanced Materials</i> , 2015, 27, 8075-8081.	21.0	44
60	Biological physically unclonable function. <i>Communications Physics</i> , 2019, 2, .	5.3	44
61	Surface-enhanced Raman scattering on dielectric microspheres with whispering gallery mode resonance. <i>Photonics Research</i> , 2018, 6, 346.	7.0	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, .	2.5	43
63	A necessary and sufficient condition to play games in quantum mechanical settings. <i>New Journal of Physics</i> , 2007, 9, 43-43.	2.9	42
64	Plasmon Injection to Compensate and Control Losses in Negative Index Metamaterials. <i>Physical Review Letters</i> , 2015, 115, 035502.	7.8	42
65	Hierarchical Construction of Higher-Order Exceptional Points. <i>Physical Review Letters</i> , 2020, 125, 203602.	7.8	41
66	Kraus representation of a damped harmonic oscillator and its application. <i>Physical Review A</i> , 2004, 70, .	2.5	40
67	Observation and characterization of mode splitting in microsphere resonators in aquatic environment. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	40
68	Estimation of Purcell factor from mode-splitting spectra in an optical microcavity. <i>Physical Review A</i> , 2011, 83, .	2.5	38
69	Pulse-mode quantum projection synthesis: Effects of mode mismatch on optical state truncation and preparation. <i>Physical Review A</i> , 2002, 66, .	2.5	37
70	QUANTUM AND CLASSICAL CORRELATIONS BETWEEN PLAYERS IN GAME THEORY. <i>International Journal of Quantum Information</i> , 2004, 02, 79-89.	1.1	37
71	Anomalous time delays and quantum weak measurements in optical micro-resonators. <i>Nature Communications</i> , 2016, 7, 13488.	12.8	37
72	Stimulated Brillouin scattering and Brillouin-coupled four-wave-mixing in a silica microbottle resonator. <i>Optics Express</i> , 2016, 24, 12082.	3.4	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.	1.0	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.	3.4	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.	1.0	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.	2.1	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.	4.7	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, .	2.5	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.	1.9	32
81	Observation of optomechanical coupling in a microbottle resonator. <i>Laser and Photonics Reviews</i> , 2016, 10, 603-611.	8.7	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.	2.1	30
83	Optical Detection of Single Nanoparticles With a Subwavelength Fiber-Taper. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1346-1348.	2.5	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.	2.1	29
86	Optimal mirror phase-covariant cloning. <i>Physical Review A</i> , 2009, 80, .	2.5	29
87	Distillation of photon entanglement using a plasmonic metamaterial. <i>Scientific Reports</i> , 2016, 5, 18313.	3.3	29
88	Phonon amplification in two coupled cavities containing one mechanical resonator. <i>Physical Review A</i> , 2014, 90, .	2.5	28
89	Deterministic local doubling of W states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 2313.	2.1	28
90	Exceptional Photon Blockade: Engineering Photon Blockade with Chiral Exceptional Points. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	28

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91	Topological engineering of terahertz light using electrically tunable exceptional point singularities. <i>Science</i> , 2022, 376, 184-188.	12.6	27
92	Optimal entanglement generation for efficient hybrid quantum repeaters. <i>Physical Review A</i> , 2009, 80, .	2.5	26
93	Optothermal spectroscopy of whispering gallery microresonators. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	26
94	Nanometre-scale nuclear-spin device for quantum information processing. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S885-S900.	1.8	25
95	Statistics of multiple-scatterer-induced frequency splitting in whispering gallery microresonators and microlasers. <i>New Journal of Physics</i> , 2013, 15, 073030.	2.9	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, .	3.2	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.	3.3	22
99	Quantum entanglement distillation with metamaterials. <i>Optics Express</i> , 2015, 23, 17941.	3.4	22
100	Control of spontaneous emission dynamics in microcavities with chiral exceptional surfaces. <i>Physical Review Research</i> , 2021, 3, .	3.6	22
101	Controlling directional absorption with chiral exceptional surfaces. <i>Optics Letters</i> , 2019, 44, 5242.	3.3	22
102	Scatterer induced mode splitting in poly(dimethylsiloxane) coated microresonators. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	21
103	Inverted-wedge silica resonators for controlled and stable coupling. <i>Optics Letters</i> , 2014, 39, 1841.	3.3	21
104	Photonic multipartite entanglement conversion using nonlocal operations. <i>Physical Review A</i> , 2016, 94, .	2.5	21
105	Structural Protein-Based Whispering Gallery Mode Resonators. <i>ACS Photonics</i> , 2017, 4, 2179-2186.	6.6	21
106	Raman gain induced mode evolution and on-demand coupling control in whispering-gallery-mode microcavities. <i>Optics Express</i> , 2015, 23, 29573.	3.4	20
107	Nonreciprocal optical solitons in a spinning Kerr resonator. <i>Physical Review A</i> , 2021, 103, .	2.5	20
108	Visible light emission from a silica microbottle resonator by second- and third-harmonic generation. <i>Optics Letters</i> , 2016, 41, 5793.	3.3	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.	2.9	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.	2.1	19
111	Infrared light detection using a whispering-gallery-mode optical microcavity. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	19
112	Compact Toffoli gate using weighted graph states. <i>Physical Review A</i> , 2009, 79, .	2.5	18
113	Transient microcavity sensor. <i>Optics Express</i> , 2015, 23, 30067.	3.4	18
114	Self-pulsation in fiber-coupled, on-chip microcavity lasers. <i>Optics Letters</i> , 2010, 35, 256.	3.3	17
115	Universal gates for transforming multipartite entangled Dicke states. <i>New Journal of Physics</i> , 2014, 16, 023005.	2.9	17
116	Gain competition induced mode evolution and resonance control in erbium-doped whispering-gallery microresonators. <i>Optics Express</i> , 2016, 24, 9550.	3.4	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.	3.3	15
118	Semiconductor-cavity QED in high-Q regimes: Detuning effect. <i>Physical Review A</i> , 2002, 65, .	2.5	14
119	A simple method for characterizing and engineering thermal relaxation of an optical microcavity. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	14
120	New perspective on chiral exceptional points with application to discrete photonics. <i>APL Photonics</i> , 2021, 6, .	5.7	14
121	Linear response theory of open systems with exceptional points. <i>Nature Communications</i> , 2022, 13, .	12.8	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.	2.6	12
123	Biological One-Way Functions for Secure Key Generation. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800154.	2.8	11
124	Optical qubit generation by state truncation using an experimentally feasible scheme. <i>Journal of Modern Optics</i> , 2002, 49, 977-984.	1.3	10
125	Label-Free Particle Sensing by Fiber Taper-Based Raman Spectroscopy. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 2093-2096.	2.5	10
126	Fermi arcs connect topological degeneracies. <i>Science</i> , 2018, 359, 995-996.	12.6	10



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127	Probing Decoherence in Plasmonic Waveguides in the Quantum Regime. <i>Physical Review Applied</i> , 2018, 9, .	3.8	10
128	Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide. <i>New Journal of Physics</i> , 2020, 22, 033008.	2.9	10
129	High quality factor silica microspheres functionalized with self-assembled nanomaterials. <i>Optics Express</i> , 2013, 21, 20601.	3.4	9
130	Active control of a plasmonic metamaterial for quantum state engineering. <i>Physical Review A</i> , 2018, 97, .	2.5	9
131	Controllable oscillatory lateral coupling in a waveguide-microdisk-resonator system. <i>Scientific Reports</i> , 2017, 7, 8045.	3.3	8
132	Loss compensation in metamaterials and plasmonics with virtual gain [Invited]. <i>Optical Materials Express</i> , 2020, 10, 1862.	3.0	8
133	Effect of Linewidth Enhancement Factor on Doppler Beat Waveform Obtained from a Self-Mixing Laser Diode. <i>Optical Review</i> , 2000, 7, 550-554.	2.0	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. <i>Analyst</i> , The, 2017, 142, 1434-1441.	3.5	7
136	Quantum random number generation using an on-chip plasmonic beamsplitter. <i>Quantum Science and Technology</i> , 2017, 2, 035004.	5.8	7
137	Size-dependent decoherence of excitonic states in semiconductor microcrystallites. <i>Physical Review A</i> , 2003, 67, .	2.5	6
138	Vertically coupled microresonators and oscillatory mode splitting in photonic molecules. <i>Optics Express</i> , 2015, 23, 30793.	3.4	6
139	Bypassing the diffusion limit. <i>Nature Photonics</i> , 2011, 5, 653-654.	31.4	4
140	Experimental characterization of a non-local convertor for quantum photonic networks. <i>Optics Express</i> , 2017, 25, 7839.	3.4	4
141	Topological lattices lit at the corners. <i>Nature Photonics</i> , 2019, 13, 660-662.	31.4	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. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
144	Reverse PT phase transition across exceptional points of any order. <i>Europhysics Letters</i> , 2017, 119, 34003.	2.0	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.	0.4	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.	0.4	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.	0.3	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

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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

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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.	1.3	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