Yun-Feng Xiao

List of Publications by Year
in descending order

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236 papers	10,993 citations	23567 58 h-index	34986 98 g-index

245 all docs	245 docs citations	245 times ranked	6809 citing authors

#	Article	IF	Citations
1	On-chip single nanoparticle detection and sizing by mode splitting in an ultrahigh-Q microresonator. Nature Photonics, 2010, 4, 46-49.	31.4	987
2	Visible-Frequency Dielectric Metasurfaces for Multiwavelength Achromatic and Highly Dispersive Holograms. Nano Letters, 2016, 16, 5235-5240.	9.1	435
3	Experimental realization of optomechanically induced non-reciprocity. Nature Photonics, 2016, 10, 657-661.	31.4	414
4	Detection of Single Nanoparticles and Lentiviruses Using Microcavity Resonance Broadening. Advanced Materials, 2013, 25, 5616-5620.	21.0	266
5	Single Nanoparticle Detection Using Optical Microcavities. Advanced Materials, 2017, 29, 1604920.	21.0	257
6	Single nanoparticle detection using split-mode microcavity Raman lasers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14657-14662.	7.1	243
7	Fabrication of high-Q polydimethylsiloxane optical microspheres for thermal sensing. Applied Physics Letters, 2009, 94, .	3.3	242
8	Chaos-assisted broadband momentum transformation in optical microresonators. Science, 2017, 358, 344-347.	12.6	239
9	Dynamic Dissipative Cooling of a Mechanical Resonator in Strong Coupling Optomechanics. Physical Review Letters, 2013, 110, 153606.	7.8	203
10	Whisperingâ€gallery microcavities with unidirectional laser emission. Laser and Photonics Reviews, 2016, 10, 40-61.	8.7	190
11	Symmetry-breaking-induced nonlinear optics at a microcavity surface. Nature Photonics, 2019, 13, 21-24.	31.4	173
12	Chip-to-chip quantum teleportation and multi-photon entanglement in silicon. Nature Physics, 2020, 16, 148-153.	16.7	163
13	Electromagnetically induced transparency in optical microcavities. Nanophotonics, 2017, 6, 789-811.	6.0	162
14	High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Exterior Whispering-Gallery Modes in a Metal-Coated Microresonator. Physical Review Letters, 2010, 105, 153902.	7.8	161
15	Superâ€resolution deep imaging with hollow Bessel beam STED microscopy. Laser and Photonics Reviews, 2016, 10, 147-152.	8.7	151
16	Experimental Demonstration of Spontaneous Chirality in a Nonlinear Microresonator. Physical Review Letters, 2017, 118, 033901.	7.8	149
17	Strongly enhanced light-matter interaction in a hybrid photonic-plasmonic resonator. Physical Review A, 2012, 85, .	2.5	145
18	Strong Excitonâ€“Photon Coupling and Lasing Behavior in All-Inorganic CsPbBr₃ Micro/Nanowire Fabry-PÃ©rot Cavity. ACS Photonics, 2018, 5, 2051-2059.	6.6	145

#	Article	IF	Citations
19	Realizing quantum controlled phase flip through cavity QED. Physical Review A, 2004, 70, .	2.5	122
20	Asymmetric Fano resonance analysis in indirectly coupled microresonators. Physical Review A, 2010, 82, .	2.5	122
21	On chip, high-sensitivity thermal sensor based on high-Q polydimethylsiloxane-coated microresonator. Applied Physics Letters, 2010, 96, .	3.3	120
22	Experimental observation of Fano resonance in a single whispering-gallery microresonator. Applied Physics Letters, 2011, 98, .	3.3	115
23	Highly Unidirectional Emission and Ultralowâ€Threshold Lasing from Onâ€Chip Ultrahighâ€Q Microcavities. Advanced Materials, 2012, 24, OP260-4, OP185.	21.0	112
24	Experimental controlling of Fano resonance in indirectly coupled whispering-gallery microresonators. Applied Physics Letters, 2012, 100, .	3.3	112
25	Enhancing Coherent Light-Matter Interactions through Microcavity-Engineered Plasmonic Resonances. Physical Review Letters, 2017, 119, 233901.	7.8	112
26	Optical Forces: From Fundamental to Biological Applications. Advanced Materials, 2020, 32, e2001994.	21.0	107
27	Quantum plasmonics: new opportunity in fundamental and applied photonics. Advances in Optics and Photonics, 2018, 10, 703.	25.5	105
28	Review of cavity optomechanical cooling. Chinese Physics B, 2013, 22, 114213.	1.4	104
29	Compensation of thermal refraction effect in high-Q toroidal microresonator by polydimethylsiloxane coating. Applied Physics Letters, 2008, 93, .	3.3	101
30	Electromagnetically induced transparency-like effect in a single polydimethylsiloxane-coated silica microtoroid. Applied Physics Letters, 2009, 94, .	3.3	95
31	One-step implementation of a multiqubit controlled-phase-flip gate. Physical Review A, 2006, 73, .	2.5	93
32	Analog to multiple electromagnetically induced transparency in all-optical drop-filter systems. Physical Review A, 2007, 75, .	2.5	92
33	Coupled cavities for motional ground-state cooling and strong optomechanical coupling. Physical Review A, 2015, 91, .	2.5	91
34	Coupled optical microcavities: an enhanced refractometric sensing configuration. Optics Express, 2008, 16, 12538.	3.4	89
35	Plasmon modes of silver nanowire on a silica substrate. Applied Physics Letters, 2010, 97, .	3.3	85
36	Multiple-Rayleigh-scatterer-induced mode splitting in a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow></mml:math>whispering-gallery-mode microresonator. Physical Review A, 2011, 83, .	2.5	83

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37	Universal Quantum Computation in Decoherence-Free Subspace with Neutral Atoms. Physical Review Letters, 2006, 97, 140501.	7.8	81
38	Observation of the in-plane spin separation of light. Optics Express, 2011, 19, 9636.	3.4	81
39	Quantum nondemolition measurement of photon number via optical Kerr effect in an ultra-high-Q microtoroid cavity. Optics Express, 2008, 16, 21462.	3.4	80
40	Polarization-independent and high-efficiency dielectric metasurfaces for visible light. Optics Express, 2016, 24, 16309.	3.4	80
41	Cooling of macroscopic mechanical resonators in hybrid atom-optomechanical systems. Physical Review A, 2015, 92, .	2.5	78
42	Detection of Single Nanoparticles Using the Dissipative Interaction in a High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Microcavity. Physical Review Applied, 2016, 5, .	3.8	77
43	Synthesized soliton crystals. Nature Communications, 2021, 12, 3179.	12.8	77
44	Hybrid Quantum Device Based on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mi>V</mml:mi></mml:math>Centers in Diamond Nanomechanical Resonators Plus Superconducting Waveguide Cavities. Physical Review Applied, 2015, 4, .	3.8	71
45	Simultaneous cooling of coupled mechanical resonators in cavity optomechanics. Physical Review A, 2018, 98, .	2.5	71
46	Coherent Polariton Dynamics in Coupled Highly Dissipative Cavities. Physical Review Letters, 2014, 112, .	7.8	70
47	Parametric Down-Conversion and Polariton Pair Generation in Optomechanical Systems. Physical Review Letters, 2013, 111, 083601.	7.8	69
48	Single Nanoparticle Detection and Sizing Using a Nanofiber Pair in an Aqueous Environment. Advanced Materials, 2014, 26, 7462-7467.	21.0	69
49	Direct laser writing of whispering gallery microcavities by two-photon polymerization. Applied Physics Letters, 2010, 97, .	3.3	68
50	Optomechanical sensing with on-chip microcavities. Frontiers of Physics, 2013, 8, 475-490.	5.0	68
51	Optically sizing single atmospheric particulates with a 10-nm resolution using a strong evanescent field. Light: Science and Applications, 2018, 7, 18003-18003.	16.6	67
52	Nanoparticle sensing beyond evanescent field interaction with a quasi-droplet microcavity. Optica, 2018, 5, 674.	9.3	67
53	Chaos-assisted two-octave-spanning microcombs. Nature Communications, 2020, 11, 2336.	12.8	67
54	Oscillatory thermal dynamics in high-Q PDMS-coated silica toroidal microresonators. Optics Express, 2009, 17, 9571.	3.4	66

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55	Spin Hall effect of reflected light at the air-uniaxial crystal interface. Optics Express, 2010, 18, 16832.	3.4	65
56	Single-Band 2-nm-Line-Width Plasmon Resonance in a Strongly Coupled Au Nanorod. Nano Letters, 2015, 15, 7581-7586.	9.1	61
57	Generation of atomic entangled states with selective resonant interaction in cavity quantum electrodynamics. Physical Review A, 2007, 75, .	2.5	59
58	Optical microcavity: from fundamental physics to functional photonics devices. Science Bulletin, 2016, 61, 185-186.	9.0	58
59	Modified transmission spectrum induced by two-mode interference in a single silica microsphere. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 215401.	1.5	57
60	Microcavity Nonlinear Optics with an Organically Functionalized Surface. Physical Review Letters, 2019, 123, 173902.	7.8	57
61	Mode broadening induced by nanoparticles in an optical whispering-gallery microcavity. Physical Review A, 2014, 90, .	2.5	55
62	Far-field single nanoparticle detection and sizing. Optica, 2017, 4, 1151.	9.3	55
63	High quality factor, small mode volume, ring-type plasmonic microresonator on a silver chip. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 035402.	1.5	54
64	Single-molecule optofluidic microsensor with interface whispering gallery modes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	51
65	Onâ€Chip Spiral Waveguides for Ultrasensitive and Rapid Detection of Nanoscale Objects. Advanced Materials, 2018, 30, e1800262.	21.0	49
66	Quantum phase gate through a dispersive atom-field interaction. Physical Review A, 2007, 75, .	2.5	48
67	Coupling of a single diamond nanocrystal to a whispering-gallery microcavity: Photon transport benefitting from Rayleigh scattering. Physical Review A, 2011, 84, .	2.5	48
68	Low-threshold microlaser in a high-Q asymmetrical microcavity. Optics Letters, 2009, 34, 509.	3.3	47
69	Tunnelingâ€induced transparency in a chaotic microcavity. Laser and Photonics Reviews, 2013, 7, L51.	8.7	46
70	High-Q chaotic lithium niobate microdisk cavity. Optics Letters, 2018, 43, 2917.	3.3	46
71	Two-photon polymerization of a three dimensional structure using beams with orbital angular momentum. Applied Physics Letters, 2014, 105, .	3.3	45
72	One-step implementation of anN-qubit controlled-phase gate with neutral atoms trapped in an optical cavity. Physical Review A, 2007, 75, .	2.5	44

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73	A Tunable Optofluidic Microlaser in a Photostable Conjugated Polymer. Advanced Materials, 2018, 30, e1804556.	21.0	44
74	Highâ€‹i›Q‹/i› Polymer Microcavities Integrated on a Multicore Fiber Facet for Vapor Sensing. Advanced Optical Materials, 2019, 7, 1900602.	7.3	44
75	Free-space coupled, ultralow-threshold Raman lasing from a silica microcavity. Applied Physics Letters, 2013, 103, .	3.3	40
76	Operando monitoring transition dynamics of responsive polymer using optofluidic microcavities. Light: Science and Applications, 2021, 10, 128.	16.6	40
77	Low-Threshold Microlaser in Erâ€‰:â€‰Yb Phosphate Glass Coated Microsphere. IEEE Photonics Technology Letters, 2008, 20, 342-344.	2.5	39
78	Taper-microsphere coupling with numerical calculation of coupled-mode theory. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1895.	2.1	39
79	Nonreciprocal phonon laser in a spinning microwave magnomechanical system. Physical Review A, 2021, 103, .	2.5	39
80	Photon-photon interactions in a largely detuned optomechanical cavity. Physical Review A, 2013, 88, .	2.5	38
81	Low-threshold Raman laser from an on-chip, high-Q, polymer-coated microcavity. Optics Letters, 2013, 38, 1802.	3.3	38
82	Optimal limits of cavity optomechanical cooling in the strong-coupling regime. Physical Review A, 2014, 89, .	2.5	38
83	Surface enhanced anti-Stokes one-photon luminescence from single gold nanorods. Nanoscale, 2015, 7, 577-582.	5.6	37
84	Laser particles with omnidirectional emission for cell tracking. Light: Science and Applications, 2021, 10, 23.	16.6	37
85	Spin Hall effect of light reflected from a magnetic thin film. Applied Physics Letters, 2012, 101, .	3.3	36
86	Reconfigurable symmetry-broken laser in a symmetric microcavity. Nature Communications, 2020, 11, 1136.	12.8	35
87	Wideâ€Field Optical Microscopy of Microwave Fields Using Nitrogenâ€Vacancy Centers in Diamonds. Advanced Optical Materials, 2016, 4, 1075-1080.	7.3	34
88	Single nanoparticle trapping based on on-chip nanoslotted nanobeam cavities. Photonics Research, 2018, 6, 99.	7.0	34
89	Real-time monitoring of hydrogel phase transition in an ultrahigh Q microbubble resonator. Photonics Research, 2020, 8, 497.	7.0	34
90	1/f-noise-free optical sensing with an integrated heterodyne interferometer. Nature Communications, 2021, 12, 1973.	12.8	33

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91	Gain-Induced Evolution of Mode Splitting Spectra in a High-Q Active Microresonator. IEEE Journal of Quantum Electronics, 2010, 46, 1626-1633.	1.9	32
92	Single-photon transport and mechanical NOON-state generation in microcavity optomechanics. Physical Review A, 2013, 87, .	2.5	32
93	Implementing a conditionalN-qubit phase gate in a largely detuned optical cavity. Physical Review A, 2007, 75, .	2.5	31
94	Compensation of the Kerr effect for transient optomechanically induced transparency in a silica microsphere. Optics Letters, 2016, 41, 1249.	3.3	31
95	Quantum computation without strict strong coupling on a silicon chip. Physical Review A, 2006, 73, .	2.5	30
96	Quantum phase gate in an optical cavity with atomic cloud. Physical Review A, 2006, 74, .	2.5	30
97	Coupled quantum electrodynamics in photonic crystal cavities towards controlled phase gate operations. New Journal of Physics, 2008, 10, 123013.	2.9	30
98	Cavity-QED treatment of scattering-induced free-space excitation and collection in high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>whispering-gallery microcavities. Physical Review A, 2012, 85, .	2.5	30
99	Proposal for a near-field optomechanical system with enhanced linear and quadratic coupling. Physical Review A, 2012, 85, .	2.5	30
100	Impact of in-plane spread of wave vectors on spin Hall effect of light around Brewster's angle. Applied Physics Letters, 2013, 103, .	3.3	30
101	Dynamical tunneling-assisted coupling of high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>deformed microcavities using a free-space beam. Physical Review A, 2013, 88, .	2.5	30
102	High-Q asymmetric polymer microcavities directly fabricated by two-photon polymerization. Applied Physics Letters, 2013, 102, 221108.	3.3	29
103	Controllable coupling of superconducting transmission-line resonators. Physical Review A, 2007, 75, .	2.5	28
104	Directional escape from a high-Q deformed microsphere induced by short CO_2 laser pulses. Optics Letters, 2007, 32, 644.	3.3	28
105	Nonlinear Sensing with Whispering-Gallery Mode Microcavities: From Label-Free Detection to Spectral Fingerprinting. Nano Letters, 2021, 21, 1566-1575.	9.1	28
106	Measuring the Charge of a Single Dielectric Nanoparticle Using a High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Optical Microresonator. Physical Review Applied, 2016, 6, .	3.8	27
107	Asymmetric resonant cavities and their applications in optics and photonics: a review. Frontiers of Optoelectronics in China, 2010, 3, 109-124.	0.2	26
108	Hybrid photonicâ€“plasmonic mode for refractometer and nanoparticle trapping. Optics Communications, 2013, 291, 380-385.	2.1	26

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109	Quantum phase gate of photonic qubits in a cavity QED system. Physical Review A, 2007, 75, .	2.5	25
110	Polarization-dependent detection of cylinder nanoparticles with mode splitting in a high-Q whispering-gallery microresonator. Applied Physics Letters, 2010, 97, .	3.3	25
111	Spin displacements of a Gaussian beam at an airâ€“multilayer-film interface. Physical Review A, 2013, 88, .	2.5	24
112	Cooling mechanical resonators to the quantum ground state from room temperature. Physical Review A, 2015, 91, .	2.5	24
113	Soliton microwave oscillators using oversized billion Q optical microresonators. Optica, 2022, 9, 561.	9.3	24
114	Movable Fiber-Integrated Hybrid Plasmonic Waveguide on Metal Film. IEEE Photonics Technology Letters, 2012, 24, 434-436.	2.5	23
115	Spontaneous T-symmetry breaking and exceptional points in cavity quantum electrodynamics systems. Science Bulletin, 2018, 63, 1096-1100.	9.0	22
116	Generation of multi-atom Dicke states through the detection of cavity decay. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 485-491.	1.5	21
117	Direct observation of a resolvable spin separation in the spin Hall effect of light at an air-glass interface. Applied Physics Letters, 2015, 107, 111105.	3.3	21
118	Spin separations in the spin Hall effect of light. Physical Review A, 2015, 92, .	2.5	21
119	Statistics of chaotic resonances in an optical microcavity. Physical Review E, 2016, 93, 040201.	2.1	21
120	Single-mode characteristic of a supermode microcavity Raman laser. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
121	Dissipative optomechanical coupling between a single-wall carbon nanotube and a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>microcavity. Physical Review A, 2013, 88, .	2.5	20
122	Optomechanically-induced-transparency cooling of massive mechanical resonators to the quantum ground state. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-6.	5.1	20
123	Molecular overlap with optical near-fields based on plasmonic nanolithography for ultrasensitive label-free detection by light-matter colocalization. Biosensors and Bioelectronics, 2017, 96, 89-98.	10.1	20
124	Diabolical points in coupled active cavities with quantum emitters. Light: Science and Applications, 2020, 9, 6.	16.6	20
125	High-Q nanoring surface plasmon microresonator. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2495.	2.1	19
126	Coupling of diamond nanocrystals to a high-Qwhispering-gallery microresonator. Physical Review A, 2012, 86, .	2.5	19

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127	Coupling Whispering-Gallery-Mode Microcavities With Modal Coupling Mechanism. IEEE Journal of Quantum Electronics, 2008, 44, 1065-1070.	1.9	18
128	Accurately calculating high quality factor of whispering-gallery modes with boundary element method. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2050.	2.1	18
129	Quantum CPF gates between rare earth ions through measurement. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 137-141.	2.1	17
130	Ultrahigh-Q, largely deformed microcavities coupled by a free-space laser beam. Applied Physics Letters, 2013, 103, .	3.3	17
131	Enhanced Raman scattering of single nanoparticles in a high-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Q</mml:mi></mml:math>whispering-gallery microresonator. Physical Review A, 2015, 91, .	2.5	17
132	Free-space coupling efficiency in a high-Q deformed optical microcavity. Optics Letters, 2016, 41, 4437.	3.3	16
133	Mode splitting induced by an arbitrarily shaped Rayleigh scatterer in a whispering-gallery microcavity. Physical Review A, 2018, 97, .	2.5	16
134	Reconfigurable Photon Sources Based on Quantum Plexcitonic Systems. Nano Letters, 2020, 20, 4645-4652.	9.1	16
135	Nanocrystals in silicon photonic crystal standing-wave cavities as spin-photon phase gates for quantum information processing. Applied Physics Letters, 2007, 91, 151105.	3.3	15
136	Quantum electrodynamics in a whispering-gallery microcavity coated with a polymer nanolayer. Physical Review A, 2010, 81, .	2.5	15
137	Mode-splitting-based optical label-free biosensing with a biorecognition-covered microcavity. Journal of Applied Physics, 2012, 111, 114702.	2.5	15
138	Onâ€Chipâ€Integrated Methylammonium Halide Perovskite Optical Sensors. Advanced Optical Materials, 2019, 7, 1801308.	7.3	15
139	Directly mapping whispering gallery modes in a microsphere through modal coupling and directional emission. Chinese Optics Letters, 2008, 6, 300-302.	2.9	14
140	Temperature-insensitive detection of low-concentration nanoparticles using a functionalized high-Q microcavity. Applied Optics, 2013, 52, 155.	1.8	13
141	Regular-Orbit-Engineered Chaotic Photon Transport in Mixed Phase Space. Physical Review Letters, 2019, 123, 173903.	7.8	13
142	MHz-level self-sustained pulsation in polymer microspheres on a chip. AIP Advances, 2014, 4, .	1.3	12
143	Ground-state cooling of multiple near-degenerate mechanical modes. Physical Review A, 2022, 105, .	2.5	12
144	Measuring spin Hall effect of light by cross-polarization intensity ratio. Optics Letters, 2014, 39, 3425.	3.3	11

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145	Chipâ€Scale Mass Manufacturable Highâ€Q Silicon Microdisks. Advanced Materials Technologies, 2017, 2, 1600299.	5.8	11
146	On-chip lithium niobate microresonators for photonics applications. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	11
147	Synchronization and temporal nonreciprocity of optical microresonators via spontaneous symmetry breaking. Advanced Photonics, 2019, 1, 1.	11.8	11
148	Regulated Photon Transport in Chaotic Microcavities by Tailoring Phase Space. Physical Review Letters, 2021, 127, 273902.	7.8	11
149	Light confinement in a low-refraction-index microcavity bonded on a silicon substrate. Optica, 2016, 3, 937.	9.3	10
150	Whispering gallery mode structure in polymer-coated lasing microspheres. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2140.	2.1	10
151	Generating four-mode multiphoton entangled states in cavity QED. Physical Review A, 2006, 74, .	2.5	9
152	Controlling deformation in a high quality factor silica microsphere toward single directional emission. Applied Optics, 2013, 52, 298.	1.8	9
153	A Microfluidic-Based Fabry-PÃ©rot Gas Sensor. Micromachines, 2016, 7, 36.	2.9	9
154	Raman-lasing dynamics in split-mode microresonators. Physical Review A, 2015, 91, .	2.5	8
155	Controlling Youngâ€™s modulus of polymerized structures fabricated by direct laser writing. Applied Physics A: Materials Science and Processing, 2015, 118, 437-441.	2.3	8
156	Chiral emission and Purcell enhancement in a hybrid plasmonic-photonic microresonator. Light: Science and Applications, 2020, 9, 4.	16.6	8
157	Vibrational Kerr Solitons in an Optomechanical Microresonator. Physical Review Letters, 2022, 128, 073901.	7.8	8
158	Quantum teleportation of distant atomic states via the detection of strongly detuned cavity decay. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 227-234.	2.6	7
159	Mechanism of directional emission from a peanut-shaped microcavity. Physical Review A, 2011, 83, .	2.5	7
160	Observation of a manifold in the chaotic phase space of an asymmetric optical microcavity. Photonics Research, 2021, 9, 364.	7.0	6
161	Noise suppression of mechanical oscillations in a microcavity for ultrasensitive detection. Optics Letters, 2019, 44, 2426.	3.3	6
162	Implementing a high-efficiency quantum-controlled phase gate between long-distance atoms. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1547.	2.1	5

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163	Broadband Enhancement of Light Harvesting in a Luminescent Solar Concentrator. IEEE Journal of Quantum Electronics, 2011, 47, 1171-1176.	1.9	5
164	Macroscopic mechanical systems are entering the quantum world. National Science Review, 2015, 2, 9-10.	9.5	5
165	Special Issue on the 60th anniversary of the first laserâ€"Series I: Microcavity Photonicsâ€"from fundamentals to applications. Light: Science and Applications, 2021, 10, 141.	16.6	5
166	Hybrid plasmonic-photonic microcavity for enhanced light-matter interaction. Science Bulletin, 2022, 67, 1205-1208.	9.0	5
167	Preparation of microwave single-photon states via a superconducting circuit. Physical Review A, 2006, 74, .	2.5	4
168	Fiber-taper-coupled zeolite cylindrical microcavity with hexagonal cross section. Applied Optics, 2007, 46, 7590.	2.1	4
169	Single-photon transport in a transmission line resonator interacting with two capacitively coupled Cooper-pair boxes. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 175503.	1.5	4
170	Publisher's Note: Asymmetric Fano resonance analysis in indirectly coupled microresonators [Phys. Rev. A82, 065804 (2010)]. Physical Review A, 2011, 83, .	2.5	4
171	Experimental observation of Fano resonance in a single whispering-gallery microresonator. , 2011, , .		4
172	Fano resonance in whispering gallery photonic microcavities. Proceedings of SPIE, 2012, , .	0.8	3
173	Nanoparticles: Detection of Single Nanoparticles and Lentiviruses Using Microcavity Resonance Broadening (Adv. Mater. 39/2013). Advanced Materials, 2013, 25, 5615-5615.	21.0	3
174	Nonclassical non-Gaussian state of a mechanical resonator via selectively incoherent damping in a three-mode optomechanical system. Physical Review A, 2016, 93, .	2.5	3
175	Counting statistics of chaotic resonances at optical frequencies: Theory and experiments. Physical Review E, 2017, 96, 012217.	2.1	3
176	Wave-scattering method for waveguideâ€"microcavity coupling. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 811.	2.1	3
177	Listening to the sound of a bacterium. Nature Nanotechnology, 2020, 15, 420-421.	31.5	3
178	Microcavity Sensor Enhanced by Spontaneous Chiral Symmetry Breaking. Physical Review Applied, 2021, 16, .	3.8	3
179	Size spectrometry of environmental particulate matter using a nanofiber array. , 2017, , .		3
180	Layered localization in a chaotic optical cavity. Physical Review E, 2020, 102, 062208.	2.1	3

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181	Chaos-assisted two-octave-spanning microcombs. , 2020, , .		3
182	Modulated Photon Emission of Eu 3+ in Microsphere Cavity. Chinese Physics Letters, 2006, 23, 2442-2445.	3.3	2
183	Low-threshold laser from erbium-gain lithium niobate microcavity. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	2
184	What limits limits?. National Science Review, 2021, 8, nwaa210.	9.5	2
185	Ground state cooling of mechanical motion through coupled cavity interactions in the unresolved sideband regime. , 2013, , .		2
186	Microcavities: Highly Unidirectional Emission and Ultralowâ€Threshold Lasing from Onâ€Chip Ultrahighâ€Q Microcavities (Adv. Mater. 35/2012). Advanced Materials, 2012, 24, OP185.	21.0	1
187	Variable Optical Delay Line Using Discrete Harmonic Oscillation in Waveguide Lattices. Journal of Lightwave Technology, 2015, 33, 5095-5102.	4.6	1
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