

Yong Yang

List of Publications by Year in descending order

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61
papers

1,555
citations

331670

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h-index

302126

39
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61
all docs

61
docs citations

61
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Storing Optical Information as a Mechanical Excitation in a Silica Optomechanical Resonator. Physical Review Letters, 2011, 107, 133601.	7.8	301
2	Realizing quantum controlled phase flip through cavity QED. Physical Review A, 2004, 70, .	2.5	122
3	Quasi-droplet microbubbles for high resolution sensing applications. Optics Express, 2014, 22, 6881.	3.4	91
4	High-Q, ultrathin-walled microbubble resonator for aerostatic pressure sensing. Optics Express, 2016, 24, 294.	3.4	80
5	Highly Sensitive Temperature Measurements With Liquid-Core Microbubble Resonators. IEEE Photonics Technology Letters, 2013, 25, 2350-2353.	2.5	76
6	Nanoparticle sensing beyond evanescent field interaction with a quasi-droplet microcavity. Optica, 2018, 5, 674.	9.3	67
7	Coupled-mode-induced transparency in aerostatically tuned microbubble whispering-gallery resonators. Optics Letters, 2015, 40, 1834.	3.3	61
8	Four-wave mixing parametric oscillation and frequency comb generation at visible wavelengths in a silica microbubble resonator. Optics Letters, 2016, 41, 5266.	3.3	59
9	Glass-on-Glass Fabrication of Bottle-Shaped Tunable Microlasers and their Applications. Scientific Reports, 2016, 6, 25152.	3.3	50
10	Quantum phase gate through a dispersive atom-field interaction. Physical Review A, 2007, 75, .	2.5	48
11	Terahertz tuning of whispering gallery modes in a PDMS stand-alone, stretchable microsphere. Optics Letters, 2012, 37, 4762.	3.3	43
12	Linear Laser Tuning Using a Pressure-Sensitive Microbubble Resonator. IEEE Photonics Technology Letters, 2016, 28, 1134-1137.	2.5	41
13	Tunable erbium-doped microbubble laser fabricated by sol-gel coating. Optics Express, 2017, 25, 1308.	3.4	40
14	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
15	Degenerate four-wave mixing in a silica hollow bottle-like microresonator. Optics Letters, 2016, 41, 575.	3.3	38
16	Ringling phenomenon in silica microspheres. Chinese Optics Letters, 2009, 7, 299-301.	2.9	32
17	Observation of microlaser with Er-doped phosphate glass coated microsphere pumped by 780nm. Optics Communications, 2010, 283, 5117-5120.	2.1	30
18	Packaged Optical Add-Drop Filter Based on an Optical Microfiber Coupler and a Microsphere. IEEE Photonics Technology Letters, 2016, 28, 2277-2280.	2.5	29

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19	Raman lasing in a hollow, bottle-like microresonator. <i>Applied Physics Express</i> , 2015, 8, 092001.	2.4	26
20	Optomechanical transduction and characterization of a silica microsphere pendulum via evanescent light. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	25
21	Anti-bunching and luminescence blinking suppression from plasmon-interacted single CdSe/ZnS quantum dot. <i>Optics Express</i> , 2010, 18, 6340.	3.4	24
22	Accurately calculating high quality factor of whispering-gallery modes with boundary element method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2050.	2.1	18
23	Quantum CPF gates between rare earth ions through measurement. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 137-141.	2.1	17
24	Lead-silicate glass optical microbubble resonator. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	15
25	Cavity ring-up spectroscopy for dissipative and dispersive sensing in a whispering gallery mode resonator. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	15
26	Comparative Study on Transmission Mechanisms in a SMF-Capillary-SMF Structure. <i>Journal of Lightwave Technology</i> , 2020, , 1-1.	4.6	15
27	Directly mapping whispering gallery modes in a microsphere through modal coupling and directional emission. <i>Chinese Optics Letters</i> , 2008, 6, 300-302.	2.9	14
28	Refractometry With a Tailored Sensitivity Based on a Single-Mode-Capillary-Single-Mode Fiber Structure. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	14
29	Magnetic Fluid Infiltrated Microbottle Resonator Sensor With Axial Confined Mode. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	2.0	14
30	Quantum repeaters free of polarization disturbance and phase noise. <i>Physical Review A</i> , 2009, 79, .	2.5	12
31	High-Sensitivity Flow Rate Sensor Enabled by Higher Order Modes of Packaged Microbottle Resonator. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 599-602.	2.5	12
32	High-Q and Unidirectional Emission Whispering Gallery Modes: Principles and Design. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 1-6.	2.9	11
33	Bandpass transmission spectra of a whispering-gallery microcavity coupled to an ultrathin fiber. <i>Photonics Research</i> , 2017, 5, 362.	7.0	10
34	Modal coupling strength in a fibre taper coupled silica microsphere. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 085401.	1.5	9
35	All-optical nanopositioning of high-Q silica microspheres. <i>Optics Express</i> , 2017, 25, 13101.	3.4	8
36	Packaged optofluidic microbottle resonator for high-sensitivity bidirectional magnetic field sensing. <i>Optics Letters</i> , 2022, 47, 2766.	3.3	6

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37	Optimization of whispering gallery modes in microbubble resonators for sensing applications. , 2014, , .		5
38	All-Pass and Add-Drop Microsphere Resonator in a Suspended Dual-Core Hollow Fiber. IEEE Photonics Technology Letters, 2020, 32, 603-606.	2.5	5
39	Hollow-glass-microsphere-assisted half-circle interference for hydrostatic pressure measurement with high sensitivity. Optics Express, 2021, 29, 21252.	3.4	5
40	In-fiber zigzag excitation for whispering-gallery modes via evanescent wave and free space coupling. Optics Express, 2020, 28, 31386.	3.4	5
41	Fiber-taper-coupled zeolite cylindrical microcavity with hexagonal cross section. Applied Optics, 2007, 46, 7590.	2.1	4
42	Flow sensor using a hollow whispering gallery mode microlaser. , 2016, , .		3
43	Towards Visible Frequency Comb Generation Using a Hollow WGM Resonator. The Review of Laser Engineering, 2018, 46, 92.	0.0	3
44	A scheme of quantum repeaters with single atom and cavity-QED. Optics Communications, 2010, 283, 617-621.	2.1	2
45	Sensing and optomechanics using whispering gallery microbubble resonators. , 2013, , .		2
46	PDMS quasi-droplet microbubble resonator. , 2015, , .		2
47	Optical WGMs THz tuning and mechanical modes in a PDMS double-stem resonator. , 2013, , .		1
48	Liquid core microbubble resonators for highly sensitive temperature sensing. Proceedings of SPIE, 2014, , .	0.8	1
49	Development of packaged silica microspheres coupled with tapered optical microfibres. Proceedings of SPIE, 2016, , .	0.8	1
50	Whispering gallery resonators for optical sensing. Proceedings of SPIE, 2017, , .	0.8	1
51	Observation of Fano resonances in a reflective fiber coupled microcavity. , 2017, , .		1
52	Cavity Ring-Up Spectroscopy for Dissipative and Dispersive Sensing in a Whispering Gallery Mode Resonator. , 2018, , 629-646.		1
53	Improved sensitivity for pressure sensing in microbubble resonators. , 2015, , .		1
54	Accurately calculating high Q factor of whispering-gallery modes with boundary element method. , 2009, , .		0

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55	Anti-bunching from plasmon induced non-blinking single CdSe/ZnS quantum dot. , 2010, , .		0
56	Thermal-optical properties of microbubbles for sensing applications. , 2013, , .		0
57	Asymmetric response function of the transduction spectrum for a microsphere pendulum. Proceedings of SPIE, 2015, , .	0.8	0
58	Nanoparticle trapping and control in a hollow whispering gallery resonator. Proceedings of SPIE, 2017, , .	0.8	0
59	Frequency Comb Generation at Near Visible Wavelengths in a Microbubble Resonator. , 2016, , .		0
60	Cavity ring-up spectroscopy for sensing in a whispering gallery mode resonator. , 2017, , .		0
61	Hollow whispering gallery resonators. , 2018, , .		0