## Whispering gallery mode sensors

Advances in Optics and Photonics 7, 168

DOI: 10.1364/aop.7.000168

Citation Report

#	Article	IF	CITATIONS
2	Spatial decorrelation of frequency division duplex links. Electronics Letters, 2000, 36, 1884.	0.5	5
3	Metadata for Enhanced Electronic Program Guides. , 2000, , .		O
4	An overview of Aml from a user centered design perspective. , 2006, , v2:81.		8
5	Modeling and analysis of an atmospheric driven Atmos clock with mechanical escapement control. , $2013,$ , .		4
6	Whispering gallery mode sensors: erratum. Advances in Optics and Photonics, 2015, 7, 632.	12.1	19
7	Rapid 3D Â $\mu$ -printing of polymer optical whispering-gallery mode resonators. Optics Express, 2015, 23, 29708.	1.7	28
8	Transient microcavity sensor. Optics Express, 2015, 23, 30067.	1.7	18
9	Silica hollow bottle resonators for use as whispering gallery mode based chemical sensors. Journal of Optics (United Kingdom), 2015, 17, 125011.	1.0	27
10	The Detection of Helicobacter hepaticus Using Whispering-Gallery Mode Microcavity Optical Sensors. Biosensors, 2015, 5, 562-576.	2.3	22
11	PEG Functionalization of Whispering Gallery Mode Optical Microresonator Biosensors to Minimize Non-Specific Adsorption during Targeted, Label-Free Sensing. Sensors, 2015, 15, 18040-18060.	2.1	32
12	Sensitive optofluidic flow rate sensor based on laser heating and microring resonator. Microfluidics and Nanofluidics, 2015, 19, 1497-1505.	1.0	18
13	Quasi-distributed and wavelength selective addressing of optical micro-resonators based on long period fiber gratings. Optics Express, 2015, 23, 21175.	1.7	37
14	Optical-resonator-based biosensing systems: current status and future prospects. Nanobiosensors in Disease Diagnosis, 0, Volume 5, 41-50.	0.0	14
15	Dielectric tuning and coupling of whispering gallery modes using an anisotropic prism. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2177.	0.9	13
16	Real-Time Detection of Staphylococcus Aureus Using Whispering Gallery Mode Optical Microdisks. Biosensors, 2016, 6, 20.	2.3	40
17	Aptasensors Based on Whispering Gallery Mode Resonators. Biosensors, 2016, 6, 28.	2.3	11
18	Silica Bottle Resonator Sensor for Refractive Index and Temperature Measurements. Sensors, 2016, 16, 87.	2.1	14
19	Biosensing by WGM Microspherical Resonators. Sensors, 2016, 16, 905.	2.1	103

#	Article	IF	Citations
20	Integrating a DNA Strand Displacement Reaction with a Whispering Gallery Mode Sensor for Label-Free Mercury (II) Ion Detection. Sensors, 2016, $16$ , $1197$ .	2.1	18
21	Advanced Spatial-Division Multiplexed Measurement Systems Propositions—From Telecommunication to Sensing Applications: A Review. Sensors, 2016, 16, 1387.	2.1	36
22	Whispering Gallery Mode Thermometry. Sensors, 2016, 16, 1814.	2.1	8
23	Optical Microbottle Resonators for Sensing. Sensors, 2016, 16, 1841.	2.1	41
24	High-Q silk fibroin whispering gallery microresonator. Optics Express, 2016, 24, 20825.	1.7	50
25	Thermo-optic effects in on-chip lithium niobate microdisk resonators. Optics Express, 2016, 24, 21869.	1.7	45
26	Refractometric micro-sensor using a mirrored capillary resonator. Optics Express, 2016, 24, 24959.	1.7	8
27	Multiplexed cancer biomarker detection using chip-integrated silicon photonic sensor arrays. Analyst, The, 2016, 141, 5358-5365.	1.7	39
28	Photonic nanojetâ€mediated SERS technique for enhancing the Raman scattering of a few molecules. Journal of Raman Spectroscopy, 2016, 47, 895-900.	1.2	34
29	Chipâ€Scale Fabrication of Highâ€ <i>Q</i> Allâ€Glass Toroidal Microresonators for Singleâ€Particle Labelâ€Free Imaging. Advanced Materials, 2016, 28, 2945-2950.	11.1	41
30	Optofluidic whispering gallery mode microcapillary lasers for refractive index sensing. Proceedings of SPIE, 2016, , .	0.8	0
31	Using whispering gallery mode micro lasers for biosensing within undiluted serum. Proceedings of SPIE, 2016, , .	0.8	2
32	Tunable whispering gallery modes lasing in dye-doped cholesteric liquid crystal microdroplets. Applied Physics Letters, 2016, 109, .	1.5	53
33	Spoof surface whispering-gallery mode supported by two concentrically coupled textured ring resonators. Europhysics Letters, 2016, 115, 67002.	0.7	O
34	Nonlinear and quantum optics with whispering gallery resonators. Journal of Optics (United) Tj ETQq0 0 0 rgBT /0	Overlock ]	10 <u>Tf</u> 50 182 T
35	Cavity optomechanical spring sensing of single molecules. Nature Communications, 2016, 7, 12311.	5.8	161
36	Applications of Optical Microcavity Resonators in Analytical Chemistry. Annual Review of Analytical Chemistry, 2016, 9, 1-25.	2.8	53
37	Combining whispering gallery mode lasers and microstructured optical fibers: limitations, applications and perspectives for in-vivo biosensing. MRS Advances, 2016, 1, 2309-2320.	0.5	1

#	ARTICLE	IF	CITATIONS
38	Engineering the Absorption and Field Enhancement Properties of Au–TiO <sub>2</sub> Nanohybrids <i>via</i> Whispering Gallery Mode Resonances for Photocatalytic Water Splitting. ACS Nano, 2016, 10, 4496-4503.	7.3	230
39	Coupled-mode induced transparency in a bottle whispering-gallery-mode resonator. Optics Letters, 2016, 41, 1825.	1.7	44
40	Light coupling and routing using a microsphere attached on the endface of a microstructured optical fiber. Proceedings of SPIE, $2016$ , , .	0.8	0
41	A Multiscale Approach to Modeling Plasmonic Nanorod Biosensors. Journal of Physical Chemistry C, 2016, 120, 20692-20701.	1.5	13
42	Open-access microcavities for chemical sensing. Nanotechnology, 2016, 27, 274003.	1.3	13
43	Chiral symmetry breaking in a microring optical cavity by engineered dissipation. Physical Review A, 2016, 94, .	1.0	18
44	Whisperingâ€gallery microcavities with unidirectional laser emission. Laser and Photonics Reviews, 2016, 10, 40-61.	4.4	190
45	Light confinement in a low-refraction-index microcavity bonded on a silicon substrate. Optica, 2016, 3, 937.	4.8	10
46	Modulation of high quality factors in rolled-up microcavities. Physical Review A, 2016, 94, .	1.0	19
47	Whispers of absorption. Nature Photonics, 2016, 10, 755-757.	15.6	1
48	Nanoparticle Trapping and Characterization Using Open Microcavities. Nano Letters, 2016, 16, 6172-6177.	4.5	30
49	Optical observation of single atomic ions interacting with plasmonic nanorods in aqueous solution. Nature Photonics, 2016, 10, 733-739.	15.6	149
50	Tunable waveguide and cavity in a phononic crystal plate by controlling whispering-gallery modes in hollow pillars. Physical Review B, 2016, 93, .	1.1	100
51	Millisecond Photon Lifetime in a Slow-Light Microcavity. Physical Review Letters, 2016, 116, 133902.	2.9	64
52	High-Q Micro/Nanoresonators for Nonlinear/Quantum Photonics and Sensing. , 2016, , .		0
53	High Figure of Merit Fano Resonance in 2-D Defect-Free Pillar Array Photonic Crystal for Refractive Index Sensing. IEEE Photonics Journal, 2016, 8, 1-14.	1.0	5
54	Measuring the Charge of a Single Dielectric Nanoparticle Using a High- <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Q</mml:mi></mml:math> Optical Microresonator. Physical Review Applied,	1.5	27
	2016, 6, .		

#	Article	IF	Citations
56	Cavity ring-up spectroscopy for dissipative and dispersive sensing in a whispering gallery mode resonator. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	15
57	Improved emission outcoupling from microdisk laser by Si nanospheres. Journal of Physics: Conference Series, 2016, 741, 012158.	0.3	5
58	Spatial multiplexing of whispering gallery mode sensors for trace species detection., 2016,,.		1
59	Portable IR dye laser optofluidic microresonator as a temperature and chemical sensor. Optics Express, 2016, 24, 14383.	1.7	11
60	Lasing of whispering gallery modes in optofluidic microcapillaries. Optics Express, 2016, 24, 12466.	1.7	24
61	Observation of whispering gallery modes in elastic light scattering from microdroplets optically trapped in a microfluidic channel. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1349.	0.9	11
62	Cholesteric solid spherical microparticles: chiral optomechanics and microphotonics. Liquid Crystals Reviews, 2016, 4, 59-79.	1.1	15
63	Cylindrical electromagnetic waves with radiation and absorption of energy. Pacific Journal of Mathematics for Industry, 2016, 8, .	0.7	3
64	Fabrication of surface nanoscale axial photonics structures with a femtosecond laser. Optics Letters, 2016, 41, 2795.	1.7	23
65	Threeâ€wave mixing in whispering gallery resonators. Laser and Photonics Reviews, 2016, 10, 569-587.	4.4	118
66	Compensation of the Kerr effect for transient optomechanically induced transparency in a silica microsphere. Optics Letters, 2016, 41, 1249.	1.7	31
67	Surface plasmon polariton scattering by subwavelength silicon wires. Applied Optics, 2016, 55, 2375.	2.1	2
68	Optical microcavity: from fundamental physics to functional photonics devices. Science Bulletin, 2016, 61, 185-186.	<b>4.</b> 3	58
69	Influence of the sensitivity of an optical resonator with a surface layer by its properties. Proceedings of SPIE, 2016, , .	0.8	0
70	Sensitivity in frequency dependent angular rotation of optical vortices. Applied Optics, 2016, 55, 2024.	2.1	8
71	Optoelectronic Oscillators (OEOs) to Sensing, Measurement, and Detection. IEEE Journal of Quantum Electronics, 2016, 52, 1-16.	1.0	120
72	Ultralow-threshold neodymium-doped microsphere lasers on a silicon chip. Optics Communications, 2017, 395, 51-54.	1.0	16
73	Single Nanoparticle Detection Using Optical Microcavities. Advanced Materials, 2017, 29, 1604920.	11.1	257

#	Article	IF	CITATIONS
74	Enhanced fluorescence of functionalized silica microsphere based on whispering gallery mode for nitrate ester explosives and hexogen vapour detection. Journal of Materials Chemistry C, 2017, 5, 2114-2122.	2.7	11
75	Orbital angular momentum mode division filtering for photon-phonon coupling. Scientific Reports, 2017, 7, 40526.	1.6	11
76	Hybrid plasmonic–photonic whispering gallery mode resonators for sensing: a critical review. Analyst, The, 2017, 142, 883-898.	1.7	69
77	Investigations on perturbations of microwave dielectric resonator thermometer. Measurement Science and Technology, 2017, 28, 047001.	1.4	2
78	Resonances in Axially Symmetric Dielectric Objects. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2214-2227.	2.9	8
79	Temperature compensation of dye doped polymeric microscale lasers. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 789-792.	2.4	10
80	Droplet lasers: a review of current progress. Reports on Progress in Physics, 2017, 80, 054402.	8.1	20
81	Whispering gallery mode stabilization of quantum cascade lasers for infrared sensing and spectroscopy., 2017,,.		5
82	Wavelength shift in a whispering gallery microdisk due to bacterial sensing: A theoretical approach. Sensing and Bio-Sensing Research, 2017, 13, 9-16.	2.2	10
83	Fundamental limits in high-Q droplet microresonators. Scientific Reports, 2017, 7, 41997.	1.6	26
84	Squeezing the fundamental temperature fluctuations of a high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow><td>ma<b>tlo</b>&gt; micr</td><td>on<b>es</b>onator.</td></mml:math>	ma <b>tlo</b> > micr	on <b>es</b> onator.
85	Observation of thermally induced tuning of lasing emission from melamine–formaldehyde resin microspheres. Japanese Journal of Applied Physics, 2017, 56, 030305.	0.8	1
86	All-dielectric light concentrator to subwavelength volume. Physical Review B, 2017, 95, .	1.1	7
87	Thin cylindrical slot in an optical microdisk cavity for sensing biomaterials. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	17
88	Simulation of resonance focusing of light by dielectric cylinder with a square section. Proceedings of SPIE, 2017, , .	0.8	0
89	A compact and portable optofluidic device for detection of liquid properties and label-free sensing. Journal Physics D: Applied Physics, 2017, 50, 215103.	1.3	7
90	Nanophotonic label-free biosensors for environmental monitoring. Current Opinion in Biotechnology, 2017, 45, 175-183.	3.3	71
91	Optical Microresonators for Sensing and Transduction: A Materials Perspective. Advanced Materials, 2017, 29, 1700037.	11.1	67

#	Article	IF	CITATIONS
92	Optical sensors of bulk refractive index using optical fiber resonators. , 2017, , .		1
93	Whispering gallery mode hybridization in photonic molecules. Laser and Photonics Reviews, 2017, 11, 1600278.	4.4	64
94	Relationship between height and width of resonance peaks in a whispering gallery mode resonator immersed in water and sucrose solutions. Optics Communications, 2017, 393, 244-251.	1.0	4
95	Fluorescent and lasing whispering gallery mode microresonators for sensing applications. Laser and Photonics Reviews, 2017, 11, 1600265.	4.4	156
96	Identification of Whispering Gallery Mode (WGM) coupled photoluminescence and Raman modes in complex spectra of MoS 2 in Polymethyl methacrylate (PMMA) microspheres. Journal of Luminescence, 2017, 187, 255-259.	1.5	8
97	Refractometry-based air pressure sensing using glass microspheres as high- Q whispering-gallery mode microresonators. Optics Communications, 2017, 394, 152-156.	1.0	20
98	Acoustooptic-Mode-Coupling-Based Whispering Gallery Mode Excitation in Silica-Capillary Microresonator. Journal of Lightwave Technology, 2017, 35, 220-224.	2.7	6
99	Volume relaxation of quenched silica at room temperature monitored by whispering gallery mode resonance wavelength. Journal of Non-Crystalline Solids, 2017, 476, 52-59.	1.5	4
100	Ultracompact On-Chip Multiplexed Sensor Array Based on Dense Integration of Flexible 1-D Photonic Crystal Nanobeam Cavity With Large Free Spectral Range and High Q-Factor. IEEE Photonics Journal, 2017, 9, 1-12.	1.0	6
101	Split-disk micro-lasers: Tunable whispering gallery mode cavities. APL Photonics, 2017, 2, 096103.	3.0	13
102	Light scattering by magnons in whispering gallery mode cavities. Physical Review B, 2017, 96, .	1.1	85
103	A Guide to Quantitative Biomarker Assay Development using Whispering Gallery Mode Biosensors. Current Protocols in Chemical Biology, 2017, 9, 158-173.	1.7	17
104	Roadmap on optical sensors. Journal of Optics (United Kingdom), 2017, 19, 083001.	1.0	70
105	Mixed emulsion of liquid crystal microresonators: towards white laser systems. Soft Matter, 2017, 13, 6227-6233.	1.2	23
106	Design of X-Cut and Z-Cut Lithium Niobate Whispering-Gallery-Mode Disk-Resonators With High Quality Factors. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	3
107	Silica-based microcavity fabricated by wet etching. Chinese Physics B, 2017, 26, 054211.	0.7	2
108	Observation of whispering gallery modes through electron beam-induced deposition. Optics Letters, 2017, 42, 1337.	1.7	2
109	Ultrahigh Purcell Factor, Improved Sensitivity, and Enhanced Optical Force in Dielectric Bowtie Whispering-Gallery-Mode Resonators. IEEE Photonics Journal, 2017, 9, 1-10.	1.0	5

#	Article	IF	Citations
110	High- <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mi>Q</mml:mi></mml:math> Supercavity Modes in Subwavelength Dielectric Resonators. Physical Review Letters, 2017, 119, 243901.	2.9	474
111	Numerical simulation of eigenmodes of ring and race-track optical microresonators. Journal of Physics: Conference Series, 2017, 917, 062040.	0.3	4
112	Microfluidic-assisted Formation of Highly Monodisperse and Mesoporous Silica Soft Microcapsules. Scientific Reports, 2017, 7, 16326.	1.6	35
113	On-Chip Glass Microspherical Shell Whispering Gallery Mode Resonators. Scientific Reports, 2017, 7, 14965.	1.6	23
114	Fiber Grating-Assisted Surface Plasmon Resonance for Biochemical and Electrochemical Sensing. Journal of Lightwave Technology, 2017, 35, 3323-3333.	2.7	120
115	Fluorescence biosensing in selectively photo–activated microbubble resonators. Sensors and Actuators B: Chemical, 2017, 242, 1057-1064.	4.0	14
116	Influence of whispering gallery modes on light focusing by dielectric circular cylinder. Optical Memory and Neural Networks (Information Optics), 2017, 26, 280-288.	0.4	4
118	Photonic molecules and sensors based on coupling between whispering gallery modes in microspheres. , 2017, , .		0
119	Probing Stress-Induced Optical Birefringence of Glassy Polymers by Whispering Gallery Modes Light Localization. ACS Omega, 2017, 2, 9127-9135.	1.6	10
120	Polymer WGM arrays for optical sensing applications. , 2017, , .		0
121	Whispering gallery mode based on-chip glass microbubble resonator for thermal sensing., 2017,,.		3
122	Nonlinear coupling of whispering gallery mode silica microcavity for sensing application. , 2017, , .		0
123	Observation of Fano resonances in a reflective fiber coupled microcavity. , 2017, , .		1
124	Regularity of weak solutions for the stochastic wave equation with additive noise. , 2017, , .		0
126	Two-dimensional imaging and modification of nanophotonic resonator modes using a focused ion beam. Optica, 2017, 4, 1444.	4.8	10
127	Fano resonances in cone-shaped inwall capillary based microsphere resonator. Optics Express, 2017, 25, 615.	1.7	32
128	Microstructured optical fiber for multichannel sensing based on Fano resonance of the whispering gallery modes. Optics Express, 2017, 25, 994.	1.7	15
129	Liquid whispering-gallery-mode resonator as a humidity sensor. Optics Express, 2017, 25, 1165.	1.7	38

#	ARTICLE	IF	CITATIONS
130	Tunable erbium-doped microbubble laser fabricated by sol-gel coating. Optics Express, 2017, 25, 1308.	1.7	40
131	Direct visualization of light confinement and standing wave in THz Fabry-Perot resonator with Bragg mirrors. Optics Express, 2017, 25, 9768.	1.7	16
132	Fano resonances from coupled whispering–gallery modes in photonic molecules. Optics Express, 2017, 25, 13125.	1.7	19
133	Optical biochemical sensor based on half-circled microdisk laser diode. Optics Express, 2017, 25, 24939.	1.7	3
134	Non-traditional whispering gallery modes inside microspheres visualized with Fourier analysis. Optics Express, 2017, 25, 28946.	1.7	1
135	Unidirectional lasing in semiconductor microring lasers at an exceptional point [Invited]. Photonics Research, 2017, 5, B1.	3.4	56
136	Theoretical aspects and sensing demonstrations of cone-shaped inwall capillary-based microsphere resonators. Photonics Research, 2017, 5, 516.	3.4	35
137	Flow-through micro-capillary refractive index sensor based on T/R spectral shift monitoring. Biomedical Optics Express, 2017, 8, 4438.	1.5	11
138	Fast response of photorefraction in lithium niobate microresonators. Optics Letters, 2017, 42, 3267.	1.7	52
139	Hybridizing whispering gallery modes and plasmonic resonances in a photonic metadevice for biosensing applications [Invited]. Journal of the Optical Society of America B: Optical Physics, 2017, 34, D46.	0.9	8
140	Whispering gallery mode single nanoparticle detection and sizing: the validity of the dipole approximation. Optics Letters, 2017, 42, 963.	1.7	18
141	Self-referenced temperature sensing with a lithium niobate microdisk resonator. Optics Letters, 2017, 42, 1281.	1.7	42
142	THz Pyro-Optical Detector Based on LiNbO3 Whispering Gallery Mode Microdisc Resonator. Sensors, 2017, 17, 258.	2.1	5
143	Strain-induced spectral tuning of the whispering gallery modes in a cylindrical micro-resonator formed by a polymer optical fiber. Applied Optics, 2017, 56, 1339.	2.1	9
144	Numerical analysis of plasmonic nanostar-whispering gallery mode hybrid microresonator., 2017,,.		0
145	Analytical model for coupling whisperring gallery mode spherical microresonator for sensing application. , 2017, , .		0
146	Nonlinear photonics with high-Q whispering-gallery-mode resonators. Advances in Optics and Photonics, 2017, 9, 828.	12.1	182
147	Whispering gallery modes in a liquid-filled hollow glass microsphere. Optics Letters, 2017, 42, 4659.	1.7	14

#	Article	IF	CITATIONS
148	Advanced Sensing by WGM Microresonators. , 2017, , .		2
149	Stretchable PEG-DA Hydrogel-Based Whispering-Gallery-Mode Microlaser with Humidity Responsiveness. Journal of Lightwave Technology, 2018, 36, 819-824.	2.7	17
150	In-situ 3D micro-sensor model using embedded plasmonic island for biosensors. Microsystem Technologies, 2018, 24, 3631-3635.	1.2	5
151	Dynamical control of the emission of a square microlaser via symmetry classes. Physical Review A, 2018, 97, .	1.0	5
152	Three-Dimensional Printed Polymer Waveguides for Whispering Gallery Mode Sensors. IEEE Photonics Technology Letters, 2018, 30, 451-454.	1.3	16
153	Ultra-high Q terahertz whispering-gallery modes in a silicon resonator. APL Photonics, 2018, 3, .	3.0	46
154	Cavity Ring-Up Spectroscopy for Dissipative and Dispersive Sensing in a Whispering Gallery Mode Resonator., 2018,, 629-646.		1
155	Whispering Gallery Mode Assisted Enhancement in the Power Conversion Efficiency of DSSC and QDSSC Devices Using TiO <sub>2</sub> Microsphere Photoanodes. ACS Applied Energy Materials, 2018, 1, 765-774.	2.5	29
156	Combining Whisperingâ€Gallery Mode Optical Biosensors with Microfluidics for Realâ€Time Detection of Protein Secretion from Living Cells in Complex Media. Small, 2018, 14, e1703705.	5.2	23
157	In-Line Fiber Michelson Interferometer for Enhancing the Q Factor of Cone-Shaped Inwall Capillary Coupled Resonators. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	28
158	On-chip remote charger model using plasmonic island circuit. Results in Physics, 2018, 9, 815-818.	2.0	9
159	High-Sensitivity Refractive Index Sensing Based on Fano resonances in a Photonic Crystal Cavity-Coupled Microring Resonator. IEEE Photonics Journal, 2018, , 1-1.	1.0	14
160	Thermorefractive noise in whispering gallery mode microresonators: Analytical results and numerical simulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2265-2268.	0.9	25
161	An "in-fiber―Whispering-Gallery-Mode bi-sphere resonator, sensitive to nanometric displacements. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	20
162	Advances in optoplasmonic sensors $\hat{a}\in$ " combining optical nano/microcavities and photonic crystals with plasmonic nanostructures and nanoparticles. Nanophotonics, 2018, 7, 1-38.	2.9	109
163	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with $\langle i \rangle Q \langle i \rangle$ -factors. Materials Chemistry Frontiers, 2018, 2, 270-274.	3.2	26
164	Analysis of dielectric circular cylinder light spot narrowing by whispering gallery modes and influence of material absorption. Journal of Physics: Conference Series, 2018, 1096, 012007.	0.3	0
165	Reflectometry of X-ray Whispering Gallery Waves Propagating along Liquid Meniscuses. Semiconductors, 2018, 52, 2049-2053.	0.2	2

#	Article	IF	CITATIONS
166	Microwave Radiation Coupling into a WGM Resonator for a High-Photonic-Efficiency Nonlinear Receiver. , $2018, \ldots$		6
167	Experimental Demonstration of Temperature Sensing with Packaged Glass Bottle Microresonators. Sensors, 2018, 18, 4321.	2.1	20
168	High-sensitivity Optical Humidity Sensing Based on Polymer Microfiber Cavity-Coupled Metallic Nanorod. , $2018,  ,  .$		1
169	Multiple Light Coupling and Routing via a Microspherical Resonator Integrated in a T-Shaped Optical Fiber Configuration System. Micromachines, 2018, 9, 521.	1.4	2
170	Phase-sensitive photothermal imaging of ultrahigh-Q polyoxide toroidal microresonators. Applied Physics Letters, 2018, 113, 231105.	1.5	3
171	An analytical framework to determine flow velocities within nanotubes from their vibration frequencies. Physics of Fluids, 2018, 30, 122001.	1.6	7
172	Fluorescence analysis of x-ray whispering gallery waves propagating along liquid meniscuses. , 2018, , .		1
173	The Art of the Impossible: Sorting Dielectric Microspheres by using Light. , 2018, , .		0
174	Universal symmetry-breaking dynamics for the Kerr interaction of counterpropagating light in dielectric ring resonators. Physical Review A, 2018, 98, .	1.0	54
175	A Tellurium Oxide Microcavity Resonator Sensor Integrated On-Chip with a Silicon Waveguide. Sensors, 2018, 18, 4061.	2.1	4
176	Vectorial Fluorescence Emission from Microsphere Coupled to Gold Mirror. Advanced Optical Materials, 2018, 6, 1801025.	3.6	16
177	Suppressing Nonradiative Processes of Organic Dye with Metal–Organic Framework Encapsulation toward Near-Infrared Solid-State Microlasers. ACS Applied Materials & Samp; Interfaces, 2018, 10, 35455-35461.	4.0	33
178	The value of a fading tracer. Journal of Fluid Mechanics, 2018, 856, 1-4.	1.4	7
179	Morphology dependent resonance modes in highly porous TiO2 microspheres. Journal of Applied Physics, 2018, 124, 133102.	1.1	5
180	Whispering gallery mode microsphere resonator with microsphere-microsphere coupling. Optical Fiber Technology, 2018, 46, 147-151.	1.4	9
181	Enhanced light outcoupling in microdisk lasers via Si spherical nanoantennas. Journal of Applied Physics, 2018, 124, .	1.1	17
182	Numerical research on whispering-gallery modes in a triple-layer-coated microsphere resonator. Optoelectronics Letters, 2018, 14, 331-335.	0.4	1
183	Mode-Splitting for Refractive Index Sensing in Fluorescent Whispering Gallery Mode Microspheres with Broken Symmetry. Sensors, 2018, 18, 2987.	2.1	13

#	Article	IF	Citations
184	Application of Optical Microresonators for Measuring the Concentration of Nanoparticles in Liquids. Measurement Techniques, 2018, 61, 566-571.	0.2	1
185	Gas Sensing with SU-8 Whispering Gallery Mode Resonators. , 2018, , .		3
186	Compact Waveguide and Guided Beam Pattern Based on the Whispering-Gallery Mode of a Hollow Pillar in a Phononic Crystal Plate. Physical Review Applied, 2018, 10, .	1.5	7
187	Wireless whispering-gallery-mode sensor for thermal sensing and aerial mapping. Light: Science and Applications, 2018, 7, 62.	7.7	58
188	Measurement of Low Concentrations of Nanoparticles in Aerosols Using Optical Dielectric Microcavity: The Case of TiO2 Nanoparticles. Nanotechnologies in Russia, 2018, 13, 38-44.	0.7	2
189	Ring-Resonator-Based Sub-THz Dielectric Sensor. IEEE Microwave and Wireless Components Letters, 2018, 28, 969-971.	2.0	7
190	Wave-scattering method for waveguide–microcavity coupling. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 811.	0.9	3
191	An Efficient Multi-Target Tracking Algorithm Using Gaussian Mixture Probability Hypothesis Density Filter. , 2018, , .		1
192	3D Ear Biometrics: Acquisition and Recognition. , 2018, , .		6
193	Optically sizing single atmospheric particulates with a 10-nm resolution using a strong evanescent field. Light: Science and Applications, 2018, 7, 18003-18003.	7.7	67
194	Integrated Silicon Photonic Microresonators: Emerging Technologies. IEEE Journal of Selected Topics in Quantum Electronics, 2018, , 1-1.	1.9	33
195	Single nanoparticle detection using a photonic nanojet. Nanoscale, 2018, 10, 14182-14189.	2.8	44
196	High-Q-factor Al <sub>2</sub> O <sub>3</sub> micro-trench cavities integrated with silicon nitride waveguides on silicon. Optics Express, 2018, 26, 11161.	1.7	27
197	Whispering gallery modes in a single silica microparticle attached to an optical microfiber and their application for highly sensitive displacement sensing. Optics Express, 2018, 26, 195.	1.7	26
198	Comparison of various excitation and detection schemes for dye-doped polymeric whispering gallery mode micro-lasers. Optics Express, 2018, 26, 3579.	1.7	17
199	Nanoparticle sensing beyond evanescent field interaction with a quasi-droplet microcavity. Optica, 2018, 5, 674.	4.8	67
200	Parity-time-symmetric whispering-gallery mode nanoparticle sensor [Invited]. Photonics Research, 2018, 6, A23.	3.4	79
201	Dependence of quality factor on surface roughness in crystalline whispering-gallery mode resonators. Optics Letters, 2018, 43, 495.	1.7	23

#	ARTICLE	IF	CITATIONS
202	Flying particle microlaser and temperature sensor in hollow-core photonic crystal fiber. Optics Letters, 2018, 43, 1479.	1.7	34
203	Detecting Biothreat Agents: From Current Diagnostics to Developing Sensor Technologies. ACS Sensors, 2018, 3, 1894-2024.	4.0	118
204	Exceptional points of third-order in a layered optical microdisk cavity. New Journal of Physics, 2018, 20, 083016.	1.2	29
205	Topological whispering gallery modes in two-dimensional photonic crystal cavities. Optics Express, 2018, 26, 21235.	1.7	39
206	Labelâ€Free Optical Singleâ€Molecule Micro―and Nanosensors. Advanced Materials, 2018, 30, e1801246.	11.1	43
207	Optical bio-chemical sensors based on whispering gallery mode resonators. Nanoscale, 2018, 10, 13832-13856.	2.8	109
208	Imaging localized phononic cavity modes with laser interferometer. Journal Physics D: Applied Physics, 2018, 51, 255104.	1.3	8
209	Analysis of the Transmission Spectra of Optical Microcavities Using the Mode Broadening Method. Optoelectronics, Instrumentation and Data Processing, 2018, 54, 61-68.	0.2	3
210	Semicylindrical microresonator: excitation, modal structure, and Q-factor. Applied Optics, 2018, 57, 6309.	0.9	1
211	Optical Cooling of Magnons. Physical Review Letters, 2018, 121, 087205.	2.9	94
212	Designing of Universal WGM Biosensor from Micro Ring Resonator. Applied Mechanics and Materials, 0, 879, 173-177.	0.2	1
213	Fast analytical modelling of an SOI micro-ring resonator for bio-sensing application. Journal Physics D: Applied Physics, 2018, 51, 285401.	1.3	17
214	Highly Reproducible, Isotropic Optofluidic Laser Based on Hollow Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	1.9	12
215	Highly Sensitive and Multiplexed Protein Measurements. Chemical Reviews, 2019, 119, 293-321.	23.0	187
216	Wavelength-encoded laser particles for massively multiplexed cell tagging. Nature Photonics, 2019, 13, 720-727.	15.6	113
217	Highly confined radial contour modes in phononic crystal plate based on pillars with cap layers. Journal of Applied Physics, 2019, 126, 055101.	1.1	2
218	All-Organic Waveguide Sensor for Volatile Solvent Sensing. Photonic Sensors, 2019, 9, 356-366.	2.5	6
219	Tunable Whispering Gallery Mode Photonic Device Based on Microstructured Optical Fiber with Internal Electrodes. Scientific Reports, 2019, 9, 12083.	1.6	11

#	Article	IF	Citations
220	Large <mml:math display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Q</mml:mi></mml:math> Factor with Very Small Whispering-Gallery-Mode Resonators. Physical Review Applied, 2019, 12, .	1.5	10
221	Weakly Tapered Silicon Nanopillar Resonators with Spatially Well-Separated Whispering Gallery Modes for Si-Based Lasers. ACS Applied Nano Materials, 2019, 2, 4852-4858.	2.4	4
222	Effects of polycrystalline birefringent grains on the morphology dependent resonance modes of a spherical resonator. Journal of Applied Physics, 2019, 126, 053102.	1.1	0
223	Resonant Microbubble as a Microfluidic Stage for All-Optical Photoacoustic Sensing. Physical Review Applied, 2019, 12, .	1.5	21
224	A Comprehensive Study on Fuel Adulteration Sensing by Using Triple Ring Resonator Type Metamaterial. Journal of the Electrochemical Society, 2019, 166, B1044-B1052.	1.3	26
225	(INVITED) Monolithic total internal reflection resonators for applications in photonics. Optical Materials: X, 2019, 2, 100017.	0.3	13
226	Thermorefractive noise in silicon-nitride microresonators. Physical Review A, 2019, 99, .	1.0	74
227	Mesoporous Silica Nanospheres Decorated by Ag–Nanoparticle Arrays with 5 nm Interparticle Gap Exhibit Insignificant Hot-Spot Raman Enhancing Effect. Journal of Physical Chemistry C, 2019, 123, 18528-18535.	1.5	8
228	Orthogonal Demodulation Pound–Drever–Hall Technique for Ultra-Low Detection Limit Pressure Sensing. Sensors, 2019, 19, 3223.	2.1	7
229	Highâ€ <i>Q</i> Polymer Microcavities Integrated on a Multicore Fiber Facet for Vapor Sensing. Advanced Optical Materials, 2019, 7, 1900602.	3.6	44
230	High- <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow> <mml:mi>Q</mml:mi></mml:mrow> </mml:math> Exterior Whispering-Gallery Modes in a Double-Layer Crystalline Microdisk Resonator. Physical Review Letters, 2019, 122, 253902.	2.9	36
231	Hybrid nanostructure of SiO <sub>2</sub> @Si with Au-nanoparticles for surface enhanced Raman spectroscopy. Nanoscale, 2019, 11, 13484-13493.	2.8	21
232	Tuning on Optical Resonances of Microcavities Based on Thermal Dissipation Control. IEEE Photonics Technology Letters, 2019, 31, 1175-1178.	1.3	1
233	Optoplasmonics: basic principles and applications. Journal of Optics (United Kingdom), 2019, 21, 113001.	1.0	30
234	A review of 2D and 3D plasmonic nanostructure array patterns: fabrication, light management and sensing applications. Nanophotonics, 2019, 8, 2065-2089.	2.9	275
235	Resonance-assisted tunneling in deformed optical microdisks with a mixed phase space. Physical Review E, 2019, 100, 042219.	0.8	6
236	Over 1000â€Fold Enhancement of the Unidirectional Photoluminescence from a Microsphereâ€Cavityâ€Arrayâ€Capped QD/PDMS Composite Film for Flexible Lighting and Displays. Advanced Optical Materials, 2019, 7, 1901228.	3.6	14
237	Recent advances in environmental and clinical analysis using microring resonator–based sensors. Current Opinion in Environmental Science and Health, 2019, 10, 38-46.	2.1	19

#	Article	IF	CITATIONS
238	Microcavity Nonlinear Optics with an Organically Functionalized Surface. Physical Review Letters, 2019, 123, 173902.	2.9	57
239	Perturbation theory of optical resonances of deformed dielectric spheres. Physical Review A, 2019, 100, .	1.0	5
240	Ultrafast Miniature Humidity Sensor Based on Single-Sided Microsphere Resonator. Journal of Lightwave Technology, 2019, 37, 5493-5499.	2.7	4
241	Development and numerical simulation of tellurite glass microresonators for optical frequency comb generation. Journal of Non-Crystalline Solids, 2019, 522, 119567.	1.5	6
242	Experimental evidence of quadrupolar whispering-gallery modes in phononic crystal based waveguides. AIP Advances, 2019, 9, 085032.	0.6	1
243	Fabrication of Crystalline Microresonators of High Quality Factors with a Controllable Wedge Angle on Lithium Niobate on Insulator. Nanomaterials, 2019, 9, 1218.	1.9	35
244	Optical biosensors based on refractometric sensing schemes: A review. Biosensors and Bioelectronics, 2019, 144, 111693.	5.3	130
245	Axion detection with precision frequency metrology. Physics of the Dark Universe, 2019, 26, 100345.	1.8	26
246	Fano Resonances and Photoluminescence in Self-Assembled High-Quality-Factor Microbottle Resonators. IEEE Photonics Technology Letters, 2019, 31, 226-229.	1.3	10
247	Dual-Band Light Absorption Enhancement in Hyperbolic Rectangular Array. Applied Sciences (Switzerland), 2019, 9, 2011.	1.3	11
248	Whispering-gallery mode (WGM) sensors: review of established and WGM-based techniques to study protein conformational dynamics. Current Opinion in Chemical Biology, 2019, 51, 66-73.	2.8	35
249	Corrected perturbation theory for transverse-electric whispering-gallery modes in deformed microdisks. Physical Review A, 2019, 99, .	1.0	6
250	Tunable Brillouin and Raman microlasers using hybrid microbottle resonators. Nanophotonics, 2019, 8, 931-940.	2.9	26
251	On-Chip Real-Time Chemical Sensors Based on Water-Immersion-Objective Pumped Whispering-Gallery-Mode Microdisk Laser. Nanomaterials, 2019, 9, 479.	1.9	21
252	Defect engineered ZnO whispering gallery modes via doping with alkali metal ions for label-free optical sensors. Journal of Applied Physics, 2019, 125, .	1.1	19
253	Ultrahigh-quality factor resonant dielectric metasurfaces based on hollow nanocuboids. Optics Express, 2019, 27, 6320.	1.7	72
254	Sensing with Exceptional Surfaces in Order to Combine Sensitivity with Robustness. Physical Review Letters, 2019, 122, 153902.	2.9	141
255	Microbottle resonator formaldehyde sensor. Journal of Physics: Conference Series, 2019, 1151, 012021.	0.3	2

#	Article	IF	Citations
256	Analysis of Kerr Noise in Angular-Rate Sensing Based on Mode Splitting in a Whispering-Gallery-Mode Microresonator. Micromachines, 2019, 10, 150.	1.4	2
257	Active whispering-gallery-mode optical microcavity based on self-assembled organic microspheres. Journal of Materials Chemistry C, 2019, 7, 3443-3446.	2.7	27
258	"Möbius―microring resonator. Applied Physics Letters, 2019, 114, .	1.5	16
259	T-matrix methods for electromagnetic structured beams: A commented reference database for the period 2014–2018. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 230, 247-281.	1.1	41
260	Nonfluorescent Optical Probing of Single Molecules and Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 14107-14117.	1.5	15
261	Optical Refractive Index Sensors with Plasmonic and Photonic Structures: Promising and Inconvenient Truth. Advanced Optical Materials, 2019, 7, 1801433.	3.6	303
262	Multinanoparticle scattering in a multimode microspheroid resonator. Physical Review A, 2019, 99, .	1.0	1
263	Advances in materials for cellular applications (Review). Biointerphases, 2019, 14, 010801.	0.6	O
264	Design of a multi-analyte resonant photonic platform for label-free biosensing. Nanotechnology, 2019, 30, 275501.	1.3	6
265	Ultrahigh <i>Q</i> Polymer Microring Resonators for Biosensing Applications. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	22
266	Probing dark universe with exceptional points. Physics of the Dark Universe, 2019, 23, 100244.	1.8	9
267	Fiber Microsphere Coupled in a Taper for a Large Curvature Range. Fibers, 2019, 7, 87.	1.8	O
268	Validation of MODIS 1-Km MAIAC Aerosol Products with AERONET in China During 2008-2016. , 2019, , .		0
269	A Study on Bangladesh Power System Fault Level Management. , 2019, , .		0
270	Class Activation Map Generation by Multiple Level Class Grouping and Orthogonal Constraint. , 2019, , .		4
271	Coordinated Prosumer Transaction based on Load Shifting and Optimization. , 2019, , .		1
274	Queue Server Efficacy in the Retail Industry: A Behavioral Study. , 2019, , .		1
275	Fast Model-Based Fault Detection in Single-Phase Photovoltaic Systems. , 2019, , .		1

#	Article	IF	CITATIONS
277	Low Computational Cost Method to Calculate the Hosting Capacity in Radial Low Voltage Networks. , 2019, , .		0
278	Multi-View PointNet for 3D Scene Understanding. , 2019, , .		90
280	Electronic transport properties of electrically doped cytosineâ€based optical molecular switch with singleâ€wall carbon nanotube electrodes. IET Nanobiotechnology, 2019, 13, 484-492.	1.9	4
281	Quality Factor Measurements for PMMA WGM Microsphere Resonators Using Fixed Wavelength Laser and Temperature Changes. , 2019, , .		3
282	Improving the Management level of Teaching Quality and Training the First-class Skilled Talents. , 2019, , .		4
283	Properties of the In2O3(111) and the $\$ oldsymbol{eta}-mathbf{Ga}_{2}mathbf{O}_{3}(100) non-polar surfaces., 2019,,.		0
284	Thermal Analysis and Cooling Structure Design of Axial Flux Permanent Magnet Synchronous Motor for Electrical Vehicle. , 2019, , .		5
285	Near-Optimal Hybrid Precoding Analysis in 5G mmWave massive MIMO Systems with Large Antenna Arrays. , 2019, , .		1
286	The Variational Meshless Method: an Overview of the Theory and Applications. , 2019, , .		0
287	Raman Lidar for Monitoring Gas Composition of the Atmosphere Ground Layer. , 2019, , .		1
288	Method study on Filter-loading Compensation and Digital Filtering for Black Carbon Measurement in Regional Atmospheric Baseline. , 2019, , .		0
290	Symposium Organization. , 2019, , .		0
291	Self-referencing in microfluidic with whispering-gallery mode sensors for label-free detection of biomolecules. , 2019, , .		2
292	Microdisk resonators as high-sensitive devices for biodetection. Journal of Physics: Conference Series, 2019, 1410, 012178.	0.3	0
293	Age Estimation using Disconnectedness Features in Handwriting. , 2019, , .		10
294	The Literature Review of Evolution Progress and Hot Spots of Educational Artificial Intelligence. , 2019, , .		0
295	Energy Efficiency Analysis of Parallel Ship Gas-Battery Hybrid Power System. , 2019, , .		6
296	Sub-Thermionic Scalable III-V Tunnel Field-Effect Transistors Integrated on Si (100)., 2019,,.		8

#	Article	IF	CITATIONS
297	Low-threshold Sheet Optical Parametric Oscillator by Triply-resonant Cavity Phase Matching. Scientific Reports, 2019, 9, 19269.	1.6	0
298	Optical Orbital Angular Momentum in a Monolithic Nonplanar Ring Oscillator. , 2019, , .		0
299	Crowd-parking: A New Idea of Parking Guidance Based on Crowdsourcing of Parking Location Information from Automobiles. , 2019, , .		8
300	Particle Swarm Optimization Applied to Control of Mutual Coupling in MIMO Systems. , 2019, , .		0
301	Key Factors to Build Project Team Capacity in Creative Business Enterprises. , 2019, , .		1
302	Chip-Scale Whispering Gallery Mode Glass Shell Resonators for Calorimetric Biosensing Applications. , 2019, , .		1
303	Metastatic Breast Cancer Recognition in Histopathology Images Using Convolutional Neural Network with Attention Mechanism. , 2019, , .		9
304	Air-coupled Ultrasonic Rangefinder with Meter-long Detection Range Based on a Dual-electrode PMUT Fabricated Using a Multi-user MEMS Process. , 2019, , .		4
305	Quantum Dot Sensitized Whisperonic Solar Cellsâ€"Improving Efficiency Through Whispering Gallery Modes. Frontiers in Materials, 2019, 6, .	1.2	4
306	Protein-based microsphere biolasers fabricated by dehydration. Soft Matter, 2019, 15, 9721-9726.	1.2	20
307	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. Light: Science and Applications, 2019, 8, 107.	7.7	70
308	Parallel-Coupled Dual SiOxNy Racetrack Resonators as Biosensors with High Improved Intrinsic Limit of Detection. Physical Review Applied, 2019, 12, .	1.5	5
309	Non-Hermitian defect states from lifetime differences. Physical Review A, 2019, 100, .	1.0	8
310	A fiber etched cavity for microsphere whispering-gallery-mode excitation. , 2019, , .		0
311	Self-Injection Locking of a Distributed Feedback Laser Diode Using a High-Finesse Fabry-Perot Microcavity. Applied Sciences (Switzerland), 2019, 9, 4616.	1.3	3
312	Graphene enhanced intra-resonator biochemical detection with individual molecule sensitivity and selectivity. , 2019, , .		1
313	Continuously Tunable Fano Resonance Filter in a Fiber Taper Coupled Conical Microcavity., 2019,,.		0
314	The Use of Microdisk Lasers Based on InAs/InGaAs Quantum Dots in Biodetection. Technical Physics Letters, 2019, 45, 1178-1181.	0.2	3

#	Article	IF	CITATIONS
315	Femtosecond Laser Microprinting of a Fiber Whispering Gallery Mode Resonator for Highly-Sensitive Temperature Measurements. Journal of Lightwave Technology, 2019, 37, 1241-1245.	2.7	20
316	Label-free nanoparticle sensors based on a triple-layer-coated microsphere structure. Materials Letters, 2019, 244, 211-214.	1.3	2
317	pH sensing using whispering gallery modes of a silica hollow bottle resonator. Talanta, 2019, 194, 585-590.	2.9	19
318	Periodical focusing mode achieved through a chain of mesoscale dielectric particles with a refractive index near unity. Optics Communications, 2019, 434, 110-117.	1.0	10
319	Label-free optofluidic sensor based on polymeric microresonator for the detection of cadmium ions in tap water. Sensors and Actuators B: Chemical, 2019, 280, 77-85.	4.0	28
320	Magnetic field sensor based on ring WGM resonator infiltrated with magnetic fluid. Journal of Magnetism and Magnetic Materials, 2020, 493, 165701.	1.0	23
321	Research on Fabrication and Sensing Properties of Fiber-Coupled Whispering Gallery Mode Microsphere Resonator. IEEE Sensors Journal, 2020, 20, 833-841.	2.4	17
322	Nearâ€Field Optical Tweezers for Chemistry and Biology. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900604.	0.8	12
323	Overview on monolithically integrated arrays of microtubular vertical resonators on photonic waveguides for optofluidic applications. Optik, 2020, 204, 164161.	1.4	2
324	Optical biosensors: an exhaustive and comprehensive review. Analyst, The, 2020, 145, 1605-1628.	1.7	418
325	Silicon Photonic Microring Resonator Arrays as a Universal Detector for Capillary Electrophoresis. Analytical Chemistry, 2020, 92, 2331-2338.	3.2	6
326	Numerical simulation of multi-color laser generation in Tm-doped tellurite microsphere at 1.9, 1.5 and 2.3Âmicrons. Results in Physics, 2020, 16, 102811.	2.0	7
327	Lanthanideâ€Based Luminescent Materials for Waveguide and Lasing. Chemistry - an Asian Journal, 2020, 15, 21-33.	1.7	43
328	Application of dispersed microresonator based sensor for aerospace-related tasks. , 2020, , .		1
329	Thermo-optic response of MEH-PPV films incorporated to monolithic Fabry-Perot microresonators. Dyes and Pigments, 2020, 182, 108625.	2.0	1
330	All-Optical Photoacoustic Sensing with Hollow Microresonators. , 2020, , .		0
331	Opto-fluidic-plasmonic liquid-metal core microcavity. Applied Physics Letters, 2020, 117, .	1.5	8
332	Controllable Light Propagation and Slow Light in Two Coupled Resonators with Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 17379-17386.	1.5	0

#	Article	IF	CITATIONS
333	Hybridization-induced resonances with high-quality factor in a plasmonic chipscale ring-disk nanocavity. Waves in Random and Complex Media, 2021, 31, 2327-2336.	1.6	5
334	Microfluidic Whispering Gallery Mode Optical Sensors for Biological Applications. Laser and Photonics Reviews, 2020, 14, 2000135.	4.4	38
335	Photothermal Microscopy: Imaging the Optical Absorption of Single Nanoparticles and Single Molecules. ACS Nano, 2020, 14, 16414-16445.	7.3	93
336	Effective linewidth shifts in single-molecule detection using optical whispering gallery modes. Applied Physics Letters, 2020, 117, .	1.5	20
337	High-acoustic-index-contrast phononic circuits: Numerical modeling. Journal of Applied Physics, 2020, 128, .	1.1	12
338	Expanding exploration of dynamic microplastic surface characteristics and interactions. TrAC - Trends in Analytical Chemistry, 2020, 130, 115993.	5.8	38
339	FDTD Simulation: Simultaneous Measurement of the Refractive Index and the Pressure Using Microdisk Resonator with Two Whispering-Gallery Modes. Sensors, 2020, 20, 3955.	2.1	13
340	Whispering-Gallery Sensors. Matter, 2020, 3, 371-392.	5.0	165
341	High-Resolution Optical Microresonator-Based Sensor Enabled by Microwave Photonic Sidebands Processing. Journal of Lightwave Technology, 2020, 38, 5440-5449.	2.7	18
342	Label-Free Optical Resonator-Based Biosensors. Sensors, 2020, 20, 5901.	2.1	20
343	Multiple-Channel Self-Referencing in Microfluidic Chip-Scale Label-Free Whispering Gallery Mode Biochemical Sensor Platform. , 2020, , .		2
344	Whispering-Gallery-Mode Optical Microshell Resonator Infrared Detector. IEEE Sensors Journal, 2020, , 1-1.	2.4	4
345	The Particle Induced Mode Splitting and Exceptional Points in Whispering-Gallery Mode Microcavity. IEEE Photonics Journal, 2020, 12, 1-14.	1.0	4
346	A Micro Optocoupler Based on a Microdisk Laser and a Photodetector with an Active Region Based on Quantum Well-Dots. Technical Physics Letters, 2020, 46, 629-632.	0.2	2
347	Whispering-Gallery-Mode for Coherent Random Lasing in a Dye-Doped Polystyrene Encapsulated Silica-Glass Capillary. Processes, 2020, 8, 1578.	1.3	1
348	Slow-Light-Enhanced Optical Imaging of Microfiber Radius Variations with Subangstrom Precision. Physical Review Applied, 2020, 14, .	1.5	2
349	Optical Fiber Sensors by Direct Laser Processing: A Review. Sensors, 2020, 20, 6971.	2.1	20
350	The Measurement of Nanoparticle Concentrations by the Method of Microcavity Mode Broadening Rate. Sensors, 2020, 20, 5950.	2.1	0

#	Article	IF	CITATIONS
351	Optical filtering with axial whispering gallery modes on the surface of tapered optical fibers. Laser Physics Letters, 2020, 17, 066201.	0.6	3
352	Thermal shift of whispering gallery modes in tellurite glass microspheres. Results in Physics, 2020, 17, 103128.	2.0	12
353	3Dâ€quantum interferometer using silicon microringâ€embedded gold grating circuit. Microscopy Research and Technique, 2020, 83, 1217-1224.	1.2	6
354	Light control in a hemicylindrical whispering gallery microcavity-parallel plate waveguide system. Optics Communications, 2020, 474, 126122.	1.0	1
355	Temperature Sensor Based on Whispering Gallery Modes of Metal-Filled Side-Hole Photonic Crystal Fiber Resonators. IEEE Sensors Journal, 2020, 20, 9170-9178.	2.4	16
356	Optothermally induced mechanical oscillation in a silk fibroin coated high- $\langle i \rangle Q \langle i \rangle$ microsphere. Applied Physics Letters, 2020, 116, .	1.5	8
357	A novel nucleic acid amplification system based on nano-gap embedded active disk resonators. Sensors and Actuators B: Chemical, 2020, 320, 128351.	4.0	15
358	Highly stable in-fiber integrated silica microresonator. Applied Physics Letters, 2020, 116, .	1.5	4
359	Surface elastic waves whispering gallery modes based subwavelength tunable waveguide and cavity modes of the phononic crystals. Mechanics of Advanced Materials and Structures, 2020, 27, 1053-1064.	1.5	25
360	Kerr-Nonlinearity-Induced Mode-Splitting in Optical Microresonators. Physical Review Letters, 2020, 124, 223901.	2.9	17
361	Perturbation of the scattering resonances of an open cavity by small particles. Part I: the transverse magnetic polarization case. Zeitschrift Fur Angewandte Mathematik Und Physik, 2020, 71, 1.	0.7	5
362	Hyperboloidâ€Drum Microdisk Laser Biosensors for Ultrasensitive Detection of Human IgG. Small, 2020, 16, e2000239.	5.2	36
363	Transmission Characteristics and Fano-Like Lineshape in Coupled-Slotted Microresonators. Journal of Lightwave Technology, 2020, 38, 3687-3693.	2.7	3
364	An Interoperable ECC based Authentication and Key Agreement Scheme for IoT Environment. , 2020, , .		2
365	Single-molecule analysis of nucleic acid biomarkers – A review. Analytica Chimica Acta, 2020, 1115, 61-85.	2.6	34
366	Continuously tunable fiber laser based on Fano resonance filter of thin-fiber-taper-coupled conical microresonator. Optics Communications, 2020, 466, 125629.	1.0	7
367	Privacy and Cryptocurrenciesâ€"A Systematic Literature Review. IEEE Access, 2020, 8, 54044-54059.	2.6	20
368	Microbubble Resonators for All-Optical Photoacoustics of Flowing Contrast Agents. Sensors, 2020, 20, 1696.	2.1	11

#	Article	IF	Citations
369	Coupled-mode-induced transparency and attenuation resulting from cross-polarization coupling. Physical Review A, 2020, 101, .	1.0	10
370	Multi-Frame Track-Before-Detect Algorithm for Maneuvering Target Tracking. IEEE Transactions on Vehicular Technology, 2020, 69, 4104-4118.	3.9	88
371	Optical whispering gallery mode resonators for label-free detection of water contaminants. TrAC - Trends in Analytical Chemistry, 2020, 126, 115856.	5.8	18
372	Solid State Optical Microlasers Fabrication via Microfluidic Channels. Optics, 2020, 1, 88-96.	0.6	4
373	A nanomaterial sensor based on tapered photonic crystal nanometer-scale cavity in a microdisk. Optical and Quantum Electronics, 2020, 52, $1$ .	1.5	4
374	All-silicon polarized light source based on electrically excited whispering gallery modes in inversely tapered photonic resonators. APL Materials, 2020, 8, 061110.	2.2	5
375	Terahertz Gas-Phase Spectroscopy Using a Sub-Wavelength Thick Ultrahigh-Q Microresonator. Sensors, 2020, 20, 3005.	2.1	13
376	A Laser Written 4D Optical Microcavity for Advanced Biochemical Sensing in Aqueous Environment. Journal of Lightwave Technology, 2020, 38, 2530-2538.	2.7	11
377	An Ultra-Fast and Parallelizable Algorithm for Finding \$k\$-Mismatch Shortest Unique Substrings. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 18, 1-1.	1.9	2
378	Optothermal dynamics in whispering-gallery microresonators. Light: Science and Applications, 2020, 9, 24.	7.7	78
380	Nonlinear Regression Color Correction Method for RGBN Cameras. IEEE Access, 2020, 8, 25914-25926.	2.6	6
381	Empirical Study on Influencing Factors of Knowledge Product Remixing in OIC. IEEE Access, 2020, 8, 34215-34224.	2.6	3
382	Electro-optic eigenfrequency tuning of potassium tantalate-niobate microresonators. APL Photonics, 2020, 5, 016106.	3.0	4
383	Spectral Phase Shift Interferometry for Refractive Index Monitoring in Micro-Capillaries. Sensors, 2020, 20, 1043.	2.1	8
384	Exceptional points enhancing second-order sideband generation in a whispering-gallery-mode microresonator optomechanical system coupled with nanoparticles. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 095401.	0.6	0
385	Combining whispering gallery mode optofluidic microbubble resonator sensor with GR-5 DNAzyme for ultra-sensitive lead ion detection. Talanta, 2020, 213, 120815.	2.9	20
386	Enhancing the Speed and Sensitivity of a Nonlinear Optical Sensor with Noise. Physical Review Applied, 2020, 13, .	1.5	8
387	Whispering Gallery Mode Optical Microresonators: Structures and Sensing Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900825.	0.8	27

#	Article	IF	CITATIONS
388	An In-Fiber Coupler for Whispering-Gallery-Mode Excitation in a Microsphere Resonator. IEEE Photonics Technology Letters, 2020, 32, 188-191.	1.3	10
389	Development of Rat-Scale Magnetic Particle Spectroscopy for Functional Magnetic Particle Imaging. IEEE Magnetics Letters, 2020, 11, 1-5.	0.6	7
390	Lasingâ€Encoded Microsensor Driven by Interfacial Cavity Resonance Energy Transfer. Advanced Optical Materials, 2020, 8, 1901596.	3.6	29
391	Photonic Crystal Nanobeam Cavities for Nanoscale Optical Sensing: A Review. Micromachines, 2020, 11, 72.	1.4	37
392	Ensembles of Photonic Beads: Optical Properties and Enhanced Light—Matter Interactions. Advanced Optical Materials, 2020, 8, 1901537.	3.6	16
393	Multi-Parameter Sensing in a Multimode Self-Interference Micro-Ring Resonator by Machine Learning. Sensors, 2020, 20, 709.	2.1	21
394	Forced vibrations and wave propagation in multilayered solid spheres using a one-dimensional semi-analytical finite element method. Wave Motion, 2020, 96, 102555.	1.0	3
395	Study of Regulation of a Direct Current Motor with Parallel Excitation. , 2020, , .		0
396	A Framework for Profit Maximization in a Grid-Connected Microgrid With Hybrid Resources Using a Novel Rule Base-BAT Algorithm. IEEE Access, 2020, 8, 71460-71474.	2.6	15
397	Polymer-Coated Fiber Optic Sensor as a Process Analytical Tool for Biopharmaceutical Impurity Detection. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7666-7674.	2.4	5
398	A Fast and Accurate Method for Calculating the Center of Gravity of Polygonal Interval Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2021, 29, 1472-1483.	6.5	10
399	Multiresonator Imaging Sensor for the Aerial Parameters Detection. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 84-91.	1.9	5
400	Nonlinear Sensing with Whispering-Gallery Mode Microcavities: From Label-Free Detection to Spectral Fingerprinting. Nano Letters, 2021, 21, 1566-1575.	4.5	28
401	In-fiber wavelength-selective reflector based on Y-junction coupled whispering gallery mode resonator. Optics and Lasers in Engineering, 2021, 137, 106329.	2.0	2
402	A highly sensitive humidity sensor based on an aggregation-induced emission luminogen-appended hygroscopic polymer microresonator. Materials Chemistry Frontiers, 2021, 5, 799-803.	3.2	14
403	Weakly deformed optical microdisks: A third-order perturbation theory for transverse-magnetic modes. Journal of Physics Communications, 2020, 4, 105020.	0.5	1
404	Gradient-index electron optics in graphene <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi><mml:mo>â^'</mml:mo><mml:mi>r junctions. Physical Review B, 2021, 103, .</mml:mi></mml:math>	n<‡lmiml:mi	> ≰mml:math
405	Accurate Characterization of High-\$Q\$ Microwave Resonances for Metrology Applications. IEEE Journal of Microwaves, 2021, 1, 610-624.	4.9	9

#	Article	IF	CITATIONS
406	Spontaneous Radiation Amplification in a Microsphereâ€Coupled CsPbBr <sub>3</sub> Perovskite Vertical Structure. Advanced Optical Materials, 2021, 9, 2001932.	3.6	6
407	Review of biosensing with whispering-gallery mode lasers. Light: Science and Applications, 2021, 10, 42.	7.7	164
408	Tapered racetrack microring resonator for single nanoparticle detection. Journal Physics D: Applied Physics, 2021, 54, 16LT01.	1.3	6
409	Onâ€Chip Optical Detection of Viruses: A Review. Advanced Photonics Research, 2021, 2, 2000150.	1.7	27
410	Realizing THz RFID Using Silicon Chip Space-Time Control Circuit. Silicon, 2021, 13, 3725-3732.	1.8	4
411	Dielectric optical nanoantennas. Nanotechnology, 2021, 32, 202001.	1.3	24
412	Organic Semiconductor Micro/Nanocrystals for Laser Applications. Molecules, 2021, 26, 958.	1.7	7
413	Optical whispering-gallery mode barcodes for high-precision and wide-range temperature measurements. Light: Science and Applications, 2021, 10, 32.	7.7	112
414	Cavity-enhanced Raman scattering from optically deformed droplets. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 893.	0.9	3
415	Photonic nanojets and their applications. JPhys Photonics, 2021, 3, 022001.	2.2	56
416	High-Sensitivity Whispering Gallery Mode Humidity Sensor Based on Glycerol Microdroplet Volumetric Expansion. Sensors, 2021, 21, 1746.	2.1	8
417	Molecular wayfinding: Mapping transport dynamics. APL Bioengineering, 2021, 5, 010401.	3.3	1
418	All-polymer whispering gallery mode resonators for gas sensing. Optics Express, 2021, 29, 8685.	1.7	18
419	Emerging optofluidic technologies for biodiagnostic applications. View, 2021, 2, 20200035.	2.7	9
420	Single Whispering Gallery Mode in Meshâ€Structured Tubular Microcavity with Tunable Axial Confinement. Advanced Photonics Research, 2021, 2, 2000163.	1.7	6
421	Highly Sensitive and Tunable Fano-Like Rod-Type Silicon Photonic Crystal Refractive Index Sensor. IEEE Sensors Journal, 2021, 21, 7551-7557.	2.4	6
422	Husimi functions for coupled optical resonators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 573.	0.8	1
423	A Current Sensor Based on Capillary Microresonator Filled With Terfenol-D Nanoparticles. IEEE Photonics Technology Letters, 2021, 33, 239-242.	1.3	6

#	Article	IF	CITATIONS
424	Whispering Gallery Mode Resonators for Precision Temperature Metrology Applications. Sensors, 2021, 21, 2844.	2.1	16
425	Proposal of Unsupervised Gas Classification by Multimode Microresonator. IEEE Photonics Journal, 2021, 13, 1-11.	1.0	6
426	A robust scheme for unidirectional emission from a hybrid whispering gallery cavity system based on transformation optics. Optics Express, 2021, 29, 14736.	1.7	3
427	Whispering-Gallery-Mode Resonator-Based Hybrid Cavity for Mode Stabilization of a Fiber Laser. IEEE Photonics Journal, 2021, 13, 1-7.	1.0	0
428	Simultaneous measurement of the refractive index and the pressure by mode splitting in concentric triple microring resonators with a single opening. Applied Optics, 2021, 60, 2958.	0.9	4
429	Dielectric perturbations: anomalous resonance frequency shifts in optical resonators. Optics Letters, 2021, 46, 2477.	1.7	4
430	Single-particle sensing capabilities of cylindrical microresonators based on optical fibers., 2021,,.		0
431	Semi-analytical approach for refractive index sensors based on reflective metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1676.	0.9	6
432	Applied electromagnetic optics simulations for nanophotonics. Journal of Applied Physics, 2021, 129, .	1.1	18
433	A Fiber-Attached Coupler for Transmission Bandpass Whispering Gallery Mode Resonator. Journal of Lightwave Technology, 2021, 39, 2454-2459.	2.7	5
434	Recent Progress on Optoplasmonic Whisperingâ€Galleryâ€Mode Microcavities. Advanced Optical Materials, 2021, 9, 2100143.	3.6	34
435	Multilayer Fabrication of a Rainbow of Microdisk Laser Particles Across a 500 nm Bandwidth. ACS Photonics, 2021, 8, 1301-1306.	3.2	9
436	Label-Free in-Situ Detection for DNA Hybridization Employing Grapefruit-Microstructured-Optical-Fiber-Based Microfluidic Whispering Gallery Mode Resonator. IEEE Sensors Journal, 2021, 21, 9148-9154.	2.4	9
437	Multifunctional Sensing Based on an Ultrathin Transferrable Microring Laser. ACS Applied Materials & Samp; Interfaces, 2021, 13, 19324-19331.	4.0	17
438	Controlled Transportation of Light by Light at the Microscale. Physical Review Letters, 2021, 126, 153901.	2.9	9
439	Experimental Demonstration of Multimode Microresonator Sensing by Machine Learning. IEEE Sensors Journal, 2021, 21, 9046-9053.	2.4	13
440	Effects of defects and surface roughness on high-Q modes in ZnO microspheres. Optical Materials Express, 2021, 11, 1568.	1.6	2
441	High contrast cleavage detection. Optics Letters, 2021, 46, 2593.	1.7	4

#	Article	IF	CITATIONS
442	Applied whispering gallery modes on ZnO nanorods coated glass for humidity sensing application. Optoelectronics Letters, 2021, 17, 298-301.	0.4	2
443	Single-mode characteristic of a supermode microcavity Raman laser. Proceedings of the National Academy of Sciences of the United States of America, $2021,118,.$	3.3	21
444	Tracking Single Particles Using Surface Plasmon Leakage Radiation Speckle. Journal of Lightwave Technology, 2021, 39, 3950-3960.	2.7	8
445	New Trends in Optical Resonant Bio-Chemical Sensing. IEEE Sensors Journal, 2021, 21, 12856-12867.	2.4	3
446	A Whispering-Gallery Mode Microsphere Resonator Based on Optical Fiber With an Open Microcavity. Journal of Lightwave Technology, 2021, 39, 3466-3470.	2.7	1
447	Two-Photon Polymerization: Functionalized Microstructures, Micro-Resonators, and Bio-Scaffolds. Polymers, 2021, 13, 1994.	2.0	36
448	Self-learning-based detection via multiple microresonator imaging. , 2021, , .		0
449	In-Fiber Butt-Coupled Spherical Microcavity With Whispering Gallery Mode and Fabry-Perot Resonances. IEEE Photonics Technology Letters, 2021, 33, 553-556.	1.3	4
450	Erbium-Doped Tellurite Glass Microlaser in C-Band and L-Band. Journal of Lightwave Technology, 2021, 39, 3568-3574.	2.7	12
451	Operando monitoring transition dynamics of responsive polymer using optofluidic microcavities. Light: Science and Applications, 2021, 10, 128.	7.7	40
452	Resonant Stimulated Photorefractive Scattering. Physical Review Letters, 2021, 127, 033902.	2.9	0
453	Cavity Optomechanical Sensing in the Nonlinear Saturation Limit. Laser and Photonics Reviews, 2021, 15, 2100166.	4.4	2
454	Whispering gallery mode excitation using exposed-core fiber. Optics Express, 2021, 29, 23549.	1.7	8
455	Surface metallization in bulk and uncoated highly polar Fe doped LiNbO3 crystals and plasmonic application potentials. Optical Materials, 2021, 117, 111122.	1.7	4
456	Mapping of Fabry–Perot and whispering gallery modes in GaN microwires by nonlinear imaging. Nanotechnology, 2021, 32, 40LT01.	1.3	3
457	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.	7.7	5
458	Multi-band on-chip photonic spin Hall effect and selective excitation of whispering gallery modes with metasurface-integrated microcavity. Optics Letters, 2021, 46, 3528.	1.7	6
459	Formaldehyde sensor with enhanced performance using microsphere resonator-coupled ZnO nanorods coated glass. Optics and Laser Technology, 2021, 139, 106853.	2.2	10

#	Article	IF	Citations
460	Design and analysis of a multi-core whispering gallery mode bio-sensor for detecting cancer cells and diabetes tear cells. OSA Continuum, 2021, 4, 2294.	1.8	7
461	High-sensitivity refractive index sensor based on Ge–Sb–Se chalcogenide microring resonator. Infrared Physics and Technology, 2021, 116, 103792.	1.3	17
462	Quantum Coherence Regulated by Nanoparticles in a Whisperingâ€Galleryâ€Mode Microresonator. Annalen Der Physik, 2021, 533, 2100210.	0.9	6
463	Physics of surface vibrational resonances: pillared phononic crystals, metamaterials, and metasurfaces. Reports on Progress in Physics, 2021, 84, 086502.	8.1	94
464	Experimental Demonstration of Nonlinear Scattering Processes in a Microbottle Resonator Based on a Robust Packaged Platform. Journal of Lightwave Technology, 2021, 39, 5917-5924.	2.7	9
465	Optical dual-microsphere whispering-gallery-mode resonator coupled by a pair of tapered fibers. Optik, 2021, 242, 167187.	1.4	3
466	Droplet microfluidic generation of a million optical microparticle barcodes. Optics Express, 2021, 29, 38109.	1.7	4
467	Scattering-based Light Microscopy: From Metal Nanoparticles to Single Proteins. Chemical Reviews, 2021, 121, 11937-11970.	23.0	57
468	Silver nanoparticle assisted enhanced WGM lasing by silica microresonator. Optics Communications, 2021, 494, 127045.	1.0	3
469	Analytical description of resonances in Fabry–Perot and whispering gallery mode resonators. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3116.	0.9	7
470	In-Fiber Polymer Microdisk Resonator and Its Sensing Applications of Temperature and Humidity. ACS Applied Materials & Description (1988) 48119-48126.	4.0	17
471	Advanced lanthanide doped upconversion nanomaterials for lasing emission. Journal of Rare Earths, 2022, 40, 687-695.	2.5	14
472	Improving the sensitivity of WGM pressure sensors with oxyfluoride glass microspheres. Journal of Luminescence, 2021, 238, 118249.	1.5	2
473	Integrating microsphere resonator and ZnO nanorods coated glass for humidity sensing application. Optics and Laser Technology, 2021, 143, 107356.	2.2	9
474	An organic microlaser based on an aggregation-induced emission fluorophore for tensile strain sensing. Journal of Materials Chemistry C, 2021, 9, 4888-4894.	2.7	6
475	Real-time observation of the thermo-optical and heat dissipation processes in microsphere resonators. Optics Express, 2021, 29, 2402.	1.7	5
476	Cascaded Optical Microring Resonator Based Auto-Correction Assisted High Resolution Microwave Photonic Sensor. Journal of Lightwave Technology, 2021, 39, 7646-7655.	2.7	12
477	Pulling the Brakes on Fast and Furious Multiple Drug-Resistant (MDR) Bacteria. International Journal of Molecular Sciences, 2021, 22, 859.	1.8	20

#	Article	IF	CITATIONS
478	Optical elements from 3D printed polymers. E-Polymers, 2021, 21, 549-565.	1.3	19
479	Surface-Localized Transmission Eigenstates, Super-resolution Imaging, and Pseudo Surface Plasmon Modes. SIAM Journal on Imaging Sciences, 2021, 14, 946-975.	1.3	36
480	Dynamic Complex Emulsions as Amplifiers for On-Chip Photonic Cavity-Enhanced Resonators. ACS Sensors, 2020, 5, 1996-2002.	4.0	14
481	Coherent suppression of backscattering in optical microresonators. Light: Science and Applications, 2020, 9, 204.	7.7	24
483	Packaging of optofluidic microbubble resonator sensors. , 2019, , .		4
484	Whispering gallery mode resonators coated with Au nanoparticles. , 2019, , .		1
485	A broadband chip-scale optical frequency synthesizer at 2.7 $\tilde{A}$ — 10 <sup><math>\hat{a}</math>-'16 </sup> relative uncertainty. Science Advances, 2016, 2, e1501489.	4.7	65
486	High-sensitivity temperature sensor based on Fano resonance in an optofluidic microcapillary resonator. Applied Optics, 2020, 59, 1259.	0.9	4
487	Quantum plasmonics: new opportunity in fundamental and applied photonics. Advances in Optics and Photonics, 2018, 10, 703.	12.1	105
488	Photonic molecule quantum optics. Advances in Optics and Photonics, 2020, 12, 60.	12.1	31
489	Calculating and fitting morphology-dependent resonances of a spherical particle with a concentric spherical shell. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 2089.	0.8	11
490	Determining the geometric parameters of microbubble resonators from their spectra. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 44.	0.9	3
491	Dissipative sensing with low detection limit in a self-interference microring resonator. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 942.	0.9	18
492	Method of producing tapered optical fiber. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.784314	rgBT /Ov	erlgck 10 Tf
493	Single-particle photothermal imaging via inverted excitation through high-Q all-glass toroidal microresonators. Optics Express, 2018, 26, 25020.	1.7	16
494	Ultra-sensitive biomolecular detection by external referencing optofluidic microbubble resonators. Optics Express, 2019, 27, 12424.	1.7	33
495	Camera detection and modal fingerprinting of photonic crystal nanobeam resonances. Optics Express, 2019, 27, 14623.	1.7	5
496	A general model for taper coupling of multiple modes of whispering gallery resonators and application to analysis of coupling-induced Fano interference in a single cavity. Optics Express, 2019, 27, 25493.	1.7	7

#	Article	IF	CITATIONS
497	On-chip label-free biosensing based on active whispering gallery mode resonators pumped by a light-emitting diode. Optics Express, 2019, 27, 34405.	1.7	14
498	Detuning effects in Brillouin ring microresonator laser. Optics Express, 2020, 28, 4962.	1.7	17
499	"Optical tentacle―of suspended polymer micro-rings on a multicore fiber facet for vapor sensing. Optics Express, 2020, 28, 11730.	1.7	19
500	Plasmonic-induced self-assembly of WGM cavities via laser cavitation. Optics Express, 2020, 28, 31923.	1.7	3
501	Tunable polarization beam splitter and broadband optical power sensor using hybrid microsphere resonators. Optics Express, 2020, 28, 32847.	1.7	3
502	A tellurite glass optical microbubble resonator. Optics Express, 2020, 28, 32858.	1.7	19
503	Integrated in-fiber coupler for a whispering-gallery mode microsphere resonator. Optics Letters, 2020, 45, 1467.	1.7	20
504	Optical bottle microresonators with axially uniform eigenmode field distribution. Optics Letters, 2020, 45, 4116.	1.7	11
505	Dynamic tuning of photon-plasmon interaction based on three-dimensionally confined microtube cavities. Optics Letters, 2020, 45, 5720.	1.7	2
506	Sensing at terahertz frequency domain using a sapphire whispering gallery mode resonator. Optics Letters, 2018, 43, 5383.	1.7	12
507	Whispering-gallery-mode excitation in a microsphere by use of an etched cavity on a multimode fiber end. Optics Letters, 2018, 43, 5512.	1.7	16
508	Effective four-wave mixing in the lithium niobate on insulator microdisk by cascading quadratic processes. Optics Letters, 2019, 44, 1456.	1.7	41
509	Noise suppression of mechanical oscillations in a microcavity for ultrasensitive detection. Optics Letters, 2019, 44, 2426.	1.7	6
510	SNAP microresonators introduced by strong bending of optical fibers. Optics Letters, 2019, 44, 3218.	1.7	22
511	Nanoparticle sensing with a spinning resonator. Optica, 2018, 5, 1424.	4.8	81
512	First detection of x-ray whispering gallery modes at the surface meniscus of a rotating liquid. OSA Continuum, 2019, 2, 460.	1.8	7
513	Optomechanical cooling and self-stabilization of a waveguide coupled to a whispering-gallery-mode resonator. Photonics Research, 2020, 8, 844.	3.4	10
514	Dark mode plasmonic optical microcavity biochemical sensor. Photonics Research, 2019, 7, 939.	3.4	23

#	Article	IF	CITATIONS
515	Integrated lithium niobate photonics. Nanophotonics, 2020, 9, 1287-1320.	2.9	204
516	Sharp resonant focusing of light by a dielectric cylinder with square cross-section and cube. Computer Optics, 2016, 40, 431-438.	1.3	4
518	Sensing and lasing applications of whispering gallery mode microresonators. Opto-Electronic Advances, 2018, 1, 18001501-18001510.	6.4	43
519	Deep-learning powered whispering gallery mode sensor based on multiplexed imaging at fixed frequency. Opto-Electronic Advances, 2020, 3, 200048-200048.	6.4	21
520	Light Spins of Cylindrical Electromagnetic Waves and their Jumps across Material Interfaces in the Presence of Energy Exchange. Advanced Electromagnetics, 2016, 5, 17.	0.7	1
521	Experimental Research on Ethanol Gas Sensing Characteristics of Microbottle Resonator Based on Whispering Gallery Mode., 2021, , .		1
522	Microwave-assisted in situ laser dye incorporation into high sensitivity whispering gallery mode microresonators. Journal Physics D: Applied Physics, 2022, 55, 055101.	1.3	1
523	Sol-Gel Coating Membranes for Optical Fiber Sensors for Concrete Structures Monitoring. Coatings, 2021, 11, 1245.	1.2	5
524	Intelligent Optical Microresonator Imaging Sensor for Early Stage Classification of Dynamical Variations. Advanced Photonics Research, 2021, 2, 2100242.	1.7	3
525	A microspherical resonator embedded inside a microstructured optical fiber taper. , 2015, , .		0
526	Lab-on-fiber Devices., 2015,,.		0
527	Theoretical Investigation on Whispering Gallery Modes of Microsphere with Anisotropic Deformation. , 2016, , .		0
528	Theoretical Investigation on Whispering Gallery Modes of Microsphere with Anisotropic Deformation. , 2016, , .		0
529	Material structure studies in strain tuneable whispering gallery mode polymeric resonators. , 2016, , .		0
530	An Integrated All Fiber Whispering Gallery Mode Resonator. , 2016, , .		0
531	Suppressing the Fundamental Thermo-Optic Noises of A High-Q Microresonator. , 2016, , .		0
532	Enhancement of sensitivity using double cascaded triangular ring resonators (DTRR) sensor based on Vernier effect., 2016,,.		0
533	Tunable Split-Disk Whispering Gallery Mode Resonators. , 2017, , .		0

#	Article	IF	Citations
534	Usage of Discrete Spatial Separation and Multiplexing of Whispering Gallery Mode Sensors to Rapidly and Simultaneously Target Analytes. , 2017, , .		O
535	How Latitude Location on a Micro-World Enables Real-Time Nanoparticle Sizing. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 235-245.	0.2	0
536	Simultaneous real-time application and direct comparison of optical resonance sensing and fluorescence tagging techniques for biochemical component detection. Proceedings of SPIE, 2017, , .	0.8	1
537	The entangled photons generation in third order nonlinearity of spontaneous parametric down conversion by whispering gallery mode resonator. , 2017, , .		0
538	Whispering-gallery modes observed in elastic scattering from submerged high-refractive-index silica microspheres. Optical Engineering, 2017, 56, 1.	0.5	0
539	Quantification of whispering gallery mode spectrum variability in application to sensing nanobiophotonics. Journal of Nanophotonics, 2017, 11, 1.	0.4	7
540	Packaged Tapered Fiber and SU-8 Hemispherical Resonator for Thermal Sensing. , 2018, , .		0
541	Cone-shaped Inwall Capillary based Microcavity Aimed for Temperature and Refractive Index Sensing. , 2018, , .		0
542	Use of Whispering Gallery Modes Frequency Splitting for Rotation Speed Measurement. , 2018, , .		1
543	Silica Spherical Micro Resonators Temperature Sensor, Experiments and Simulation., 2018,,.		0
544	Silica Spherical Micro Resonators Temperature Sensor, Experiments and Simulation. , 2018, , .		0
545	Super-resonant coherent absorption sensing. , 2018, , .		0
546	Mode-splitting for refractive index sensing in fluorescent whispering gallery mode resonators with broken symmetry. , 2018, , .		0
547	Mapping of the detecting units of the resonator-based multiplexed sensor. , 2018, , .		8
548	Glass-based microresonators., 2018,,.		0
549	Application of whispering gallery modes (WGM) in optical communications. , 2018, , .		3
550	Analysis of dielectric circular cylinder light spot narrowing by whispering gallery modes and influence of material absorption. , $2018$ , , .		0
551	Asymmetrical all-organic waveguide gas sensor. , 2019, , .		0

#	Article	IF	Citations
552	Optoelectronic biosensing in graphene driven fiber resonators with single-molecule sensitivity and selectivity. , 2019, , .		1
553	Polydimethylsiloxane optical microring resonator by nano-imprint lithography on MgF2 substrate. , 2019, , .		0
554	Enhanced absorption sensing using non-adiabatic tapered fiber coupling to a whispering-gallery microresonator. , 2019, , .		0
555	Enhancing Raman lasers with single molecule monolayers. , 2019, , .		0
556	Packaged microbubble resonators as a robust field sensing device. , 2019, , .		0
557	Do you need a tunable laser for resonant cavity optical sensors?. , 2019, , .		1
558	Lasing in III–V microdisk core–TiO2 shell lasers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2285.	0.9	4
559	Simulating particle influence on silicon nitride strip waveguide single-mode parameters. , 2019, , .		4
560	Raman lasing in optofluidic microbubble resonator. , 2019, , .		0
561	Whispering Gallery Modes in Optical Microcavities. Biological and Medical Physics Series, 2020, , 117-170.	0.3	1
562	Laser intensity-dependent nonlinear-optical effects in organic whispering gallery mode cavity microstructures. Optics Letters, 2020, 45, 4622.	1.7	2
563	Generation of Subpicosecond Pulse Trains in Fiber Cascades Comprising a Cylindrical Waveguide with Propagating Refractive Index Wave. Photonics, 2021, 8, 484.	0.9	2
564	Whispering Gallery Mode Resonator Temperature Compensation and Refractive Index Sensing in Glucose Droplets. Sensors, 2021, 21, 7184.	2.1	11
565	Spinning indirectly coupled optical resonators. Applied Physics Express, 2021, 14, 012002.	1.1	1
566	Single-Molecule Sensing. Biological and Medical Physics Series, 2020, , 233-298.	0.3	0
567	Sensor platform based on packaged whispering-gallery-resonators. , 2020, , .		0
568	Droplet Lasers for Smart Photonic Labels. ACS Applied Materials & Samp; Interfaces, 2021, 13, 51485-51494.	4.0	10
569	Tracking Brownian motion in three dimensions and characterization of individual nanoparticles using a fiber-based high-finesse microcavity. Nature Communications, 2021, 12, 6385.	5.8	7

#	Article	IF	Citations
570	Manipulation of lasing modes in a circular-side octagonal microcavity laser with spatially distributed current injection. Optics Express, 2021, 29, 39685-39695.	1.7	1
571	Determining the geometric parameters of microbubble resonators from their spectra. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2699.	0.9	0
572	Three-dimensional sensing of arbitrarily shaped nanoparticles by whispering gallery mode resonators. Optics Express, 2020, 28, 31297.	1.7	2
573	All-biomaterial whispering-gallery-mode microbottle resonator. , 2020, , .		0
574	Tunable microring resonators using light-activated functional polymer coatings. Optics Letters, 2020, 45, 6030.	1.7	1
575	Optical WGM Resonator Sensor of Earth Gravity Acceleration Inhomogeneities. , 2021, , .		0
576	Registration approach of viruses by using the electromagnetic echo effect., 2021,,.		0
577	Whispering gallery mode resonance excitations on a partially gold coated bottle microresonator. Journal of Physics: Conference Series, 2021, 2075, 012019.	0.3	0
578	Macroscopic quantum coherence in a spinning optomechanical system. Optics Express, 2021, 29, 41191.	1.7	6
579	Photonic thermometer by silicon nitride microring resonator with milli-kelvin self-heating effect. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110494.	2.5	13
580	Dynamical determination of the strength of cross-polarization coupling in a whispering-gallery microresonator. Physical Review A, 2021, 104, .	1.0	6
581	Photothermal Spectro-Microscopy as Benchmark for Optoplasmonic Bio-Detection Assays. Journal of Physical Chemistry C, 2021, 125, 25087-25093.	1.5	5
582	High-frequency leaky whispering-gallery modes in embedded elastic spheres. Physical Review B, 2021, 104, .	1.1	1
583	Dual-parameter sensing of refractive index and pressure by dual-polarization microresonators.  Applied Optics, 2021, 60, 10849.	0.9	2
584	Phoxonic glass cavities based on whispering gallery mode resonators. Optical Materials: X, 2021, 12, 100120.	0.3	0
585	Acoustic Sensing Based on an Ultrathin Freestanding Whispering-gallery-mode Laser. , 2021, , .		0
586	Highly Sensitive Refractive Index Sensor Based on Vernier Effect in Coupled Micro-Ring Resonators. Journal of Lightwave Technology, 2022, 40, 1216-1223.	2.7	11
587	Graphene-coupled silica microsphere polarizer. Optics and Lasers in Engineering, 2022, 151, 106937.	2.0	2

#	Article	IF	CITATIONS
589	Investigation of Rayleigh-Assisted Coherent Optical Spectrum Analyzer., 2021,,.		1
590	Microfluidic Surface Shields: Control of Flow and Diffusion over Sensitive Surfaces. Physical Review Applied, 2022, 17, .	1.5	3
591	Advances and applications of nanophotonic biosensors. Nature Nanotechnology, 2022, 17, 5-16.	15.6	308
592	Fourth order exceptional points with spinning resonators. Europhysics Letters, 0, , .	0.7	0
593	Polymer Cylindrical Whispering Gallery Mode Microcavities for Sensing Applications., 2022,,.		0
594	Near-infrared plasmonic sensing and digital metasurface via double Fano resonances. Optics Express, 2022, 30, 5879.	1.7	12
595	Single-molecule optofluidic microsensor with interface whispering gallery modes. Proceedings of the National Academy of Sciences of the United States of America, 2022, $119$ , .	3.3	51
596	Exciting Hybrid Optical Modes with Fano Lineshapes in Core–Shell CsPbBr <sub>3</sub> Microspheres for Optical Sensing. Journal of Physical Chemistry C, 2022, 126, 3109-3117.	1.5	4
597	Two-Dimensional Tapered Optical Fiber Core for Whispering Gallery Mode Excitation. IEEE Photonics Technology Letters, 2022, 34, 235-238.	1.3	5
598	Whispering gallery mode resonators in continuous flow: spectral assignments and sensing with monodisperse microspheres. Analytical Methods, 2022, 14, 1690-1697.	1.3	3
599	Interferometric Biosensing. Nanostructure Science and Technology, 2022, , 5-36.	0.1	2
600	Whispering Gallery Mode Resonances in Thermally Poled Borosilicate Glass Hetero-Fibers. Journal of Lightwave Technology, 2022, 40, 4786-4794.	2.7	1
601	Optoplasmonic Whispering Gallery Mode Sensors for Single Molecule Characterization: A Practical Guide. Nanostructure Science and Technology, 2022, , 37-96.	0.1	4
604	Red-Shifted Excitation and Two-Photon Pumping of Biointegrated GalnP/AlGaInP Quantum Well Microlasers. ACS Photonics, 2022, 9, 952-960.	3.2	6
605	A Non-volatile Quasi-Continuous All-Optical Fiber Programmable Platform Based on GST-Coated Microspheres. ACS Photonics, 2022, 9, 1180-1187.	3.2	7
606	Mode-superposition-induced transparency. , 2022, , .		1
607	Continuous-Wave Operation of Microcavity Quantum Cascade Lasers in Whispering-Gallery Mode. ACS Photonics, 2022, 9, 1172-1179.	3.2	7
608	Multimode sensing using optical whispering-gallery mode barcodes for high-precision and wide-range temperature measurements., 2022,,.		1

#	Article	IF	CITATIONS
609	Bio-organism detection using microsphere resonators in fluidics. , 2022, , .		0
610	Packaged microbubble resonators as a robust biosensing device. , 2022, , .		2
611	Asymmetric cross-polarization coupling between microresonator whispering-gallery modes. , 2022, , .		1
612	Electromagnetically Induced Transparency and Absorption in Directly Coupled Whispering-Gallery Mode Microcavities. IEEE Photonics Journal, 2022, 14, 1-8.	1.0	2
613	Proof-of-concept of a miniature pressure sensor based on coupled optical WGMs excited in a dielectric microsphere. Optics and Laser Technology, 2022, 151, 108015.	2.2	5
614	Graphene Whisperitronics: Transducing Whispering Gallery Modes into Electronic Transport. Nano Letters, 2022, 22, 128-134.	4.5	6
615	Enhanced Evanescent Field Coupling of Smart Particles in Tubular Optical Microcavity for Sensing Application. Advanced Optical Materials, 2022, 10, .	3.6	5
616	High-Quality Optical Hotspots with Topology-Protected Robustness. ACS Photonics, 2022, 9, 241-248.	3.2	5
617	Optical Whispering-Gallery-Mode Microbubble Sensors. Micromachines, 2022, 13, 592.	1.4	19
618	High- <mml:math display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Q</mml:mi></mml:math> Surface Light Emission from Active Parity-Time-Symmetric Gratings. Physical Review Applied, 2022, 17, .	1.5	1
619	Numerical investigation of the resonance modes for the dielectric optical micro-spheres by using radial basis function method. International Journal of Modern Physics C, O, , .	0.8	0
620	Ultrahighâ€Resolution Optical Fiber Thermometer Based on Microcavity Optoâ€Mechanical Oscillation. Advanced Photonics Research, 2022, 3, .	1.7	3
621	Spectrally tunable liquid resonator based on electrowetting. Optics Express, 0, , .	1.7	0
622	Integrated refractive index sensor based on an AlN-PSiO <sub>2</sub> hybrid plasmonic microdisk resonator. Applied Optics, 2022, 61, 4980.	0.9	0
623	Fourier transform analysis of multi-cavity random laser spectra: Applicability and limits. Optical Materials, 2022, 128, 112322.	1.7	2
625	Caged-Sphere Optofluidic Sensors: Whispering Gallery Resonators in Wicking Microfluidics. Sensors, 2022, 22, 4135.	2.1	3
626	Continuous-wave microcavity quantum cascade lasers in whispering-gallery modes up to 50 °C. Optics Express, 2022, 30, 22671.	1.7	4
627	Femtosecond laser preforming of millimeter-scale whispering gallery mode resonant disks from crystalline substrate., 0,,.		0

#	Article	IF	CITATIONS
628	Smart grating coupled whispering-gallery-mode microcavity on tip of multicore optical fiber with response enhancement. Optics Express, 2022, 30, 25277.	1.7	5
629	AC field modulated DC magnetic field sensor based on optical whispering gallery mode microcapillary resonator. Optics Express, 2022, 30, 24062.	1.7	1
630	Fabrication of optoplasmonic particles through electroless deposition and the application in SERS-based screening of nodule-involved lung cancer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121483.	2.0	9
631	High-Q WGM Resonators Encapsulated in PDMS for Highly Sensitive Displacement Detection. Journal of Lightwave Technology, 2022, , 1-11.	2.7	5
632	Underwater Acoustic Wave Detection Based on Packaged Optical Microbubble Resonator. Journal of Lightwave Technology, 2022, 40, 6272-6279.	2.7	6
633	Exceptional Precision of a Nonlinear Optical Sensor at a Square-Root Singularity. Physical Review Letters, 2022, 129, .	2.9	14
634	Interplay of Leakage Radiation and Protection in Topological Photonic Crystal Cavities. Laser and Photonics Reviews, 2022, 16, .	4.4	2
635	Measurement of the absolute radius, refractive index, and dispersion of a long cylinder. Optics Express, 2022, 30, 26742.	1.7	1
636	Planar Optical Cavities Hybridized with Lowâ€Dimensional Lightâ€Emitting Materials. Advanced Materials, 2023, 35, .	11.1	10
637	Plasmonic Nanoparticles Embedded in Nanomembrane Microcavity for Flexible Optical Tuning. Advanced Optical Materials, 2022, 10, .	3.6	3
638	High-Q asymmetrically cladded silicon nitride 1D photonic crystals cavities and hybrid external cavity lasers for sensing in air and liquids. Nanophotonics, 2022, 11, 4183-4196.	2.9	12
639	High-precision whispering gallery microsensors with ergodic spectra empowered by machine learning. Photonics Research, 2022, 10, 2343.	3.4	14
640	The missing link between standing- and traveling-wave resonators. Nanophotonics, 2022, .	2.9	0
641	Whispering gallery mode resonator based on dual microspheres in an expanded hollow sphere cavity of capillary tube. Optics and Laser Technology, 2023, 157, 108646.	2.2	1
642	Thermal Effect and Application of Thermal Mode-Locking Based on Optical Microsphere Cavity. SSRN Electronic Journal, 0, , .	0.4	0
643	Single Molecule Sensing. , 2022, , 257-345.		1
644	Whispering Gallery Modes in Optical Microcavities. , 2022, , 119-173.		0
645	Athermal Microwave Photonic Sensor Based on Single Microring Resonance Assisted by Machine Learning. Journal of Lightwave Technology, 2022, 40, 6796-6804.	2.7	4

#	Article	IF	CITATIONS
646	Microfluidic refractive index sensor with D-type fiber and microtube coupling. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	0
647	Vibration Resonance and Dynamic Characteristics of Pillared Phononic Crystals and Acoustic Metamaterials. , 2022, , .		0
648	Conformal optical black hole for cavity. ELight, 2022, 2, .	11.9	12
649	Enhancement of Dissipative Sensing in a Microresonator Using Multimode Input. Sensors, 2022, 22, 6613.	2.1	2
650	Mode-superposition-induced transparency. Physical Review A, 2022, 106, .	1.0	3
651	FEM-based modeling of microsphere-enhanced interferometry. , 2022, 3, 1.		6
652	Perturbation approach to improve the angular tolerance of high-Q resonances in metasurfaces. Optics Letters, 2022, 47, 6133.	1.7	3
653	Large-scale flexible-resonators with temperature insensitivity employing superoleophobic substrates. Optics Express, 2022, 30, 40897.	1.7	0
654	A Monolithic Grapheneâ€Functionalized Microlaser for Multispecies Gas Detection. Advanced Materials, 2022, 34, .	11.1	16
655	Turning a polystyrene microsphere into a multimode light source by laser irradiation. Nanophotonics, 2022, 11, 4715-4725.	2.9	1
656	Nonlinear Optomechanically Induced Transparency in a Spinning Kerr Resonator. Chinese Physics Letters, 2022, 39, 124202.	1.3	2
657	High-specificity molecular sensing on an individual whispering-gallery-mode cavity: coupling-enhanced Raman scattering by photoinduced charge transfer and cavity effects. Nanoscale Horizons, 2023, 8, 195-201.	4.1	9
658	Flexible Integration of 3D Optical Resonators inside Fibers. , 2022, , .		0
659	Thermal effect and application of thermal mode-locking based on optical microsphere cavity. Optics Communications, 2023, 530, 129150.	1.0	2
660	Review of different coupling methods with whispering gallery mode resonator cavities for sensing. Optics and Laser Technology, 2023, 159, 108955.	2.2	3
661	Coupled Optical Resonances in a Dielectric Microsphere: Physical Concept of a Miniature Optical Pressure Sensor. Atmospheric and Oceanic Optics, 2022, 35, 802-810.	0.6	2
662	Long-period D-fiber grating based robust and efficient bidirectional coupler for whispering gallery mode excitation. Optics Express, 2023, 31, 227.	1.7	0
663	Excitonic Mechanisms of Stimulated Emission in Low-Threshold ZnO Microrod Lasers with Whispering Gallery Modes. Materials, 2022, 15, 8723.	1.3	4

#	Article	IF	CITATIONS
664	Tale of Two Resonances: Waveguide–Plasmon Coupling and High <i>Q</i> Factor Engineering on the Nanoscale. ACS Photonics, 2023, 10, 2-12.	3.2	6
665	Measurement of the absolute radius, refractive index, and dispersion of a long cylinder. , 2022, , .		0
666	Frequency Stabilization and Optically Tunable Lasing in Colloidal Quantum Dot Superparticles. Nano Letters, 2023, 23, 645-651.	4.5	8
667	Compact and Highly Sensitive Refractive Index Sensor Based on Embedded Double-Ring Resonator Using Vernier Effect. IEEE Photonics Journal, 2023, 15, 1-9.	1.0	2
668	Star enclosed circle split ring resonator-based metamaterial sensor for fuel and oil adulteration detection. AEJ - Alexandria Engineering Journal, 2023, 67, 547-563.	3.4	9
669	Compact on-chip crystalline resonator integration with etching of tapered fiber waveguide. Applied Optics, 2023, 62, 1492.	0.9	1
670	Force sensing with an optomechanical system at room temperature. Physical Review A, 2023, 107, .	1.0	5
671	Fano Combs in the Directional Mie Scattering of a Water Droplet. Physical Review Letters, 2023, 130, .	2.9	6
672	Research on Mercury Ion Sensor Based on Whispering Gallery Mode. , 2022, , .		0
673	Optical trapping and light scattering in atmospheric aerosol science. Physical Chemistry Chemical Physics, 2023, 25, 7066-7089.	1.3	4
674	Whispering Gallery Mode Micro-Lasing in CsPblâ, $f$ Quantum Dots Sensitized TiOâ,, Microspherical Cavity Resonator. Optics Letters, $0$ , , .	1.7	0
675	Waveguide Mach-Zehnder interferometer to enhance the sensitivity of quantum parameter estimation. Optics Express, 0, , .	1.7	0
676	Ultra-compact and highly sensitive refractive index sensor based on a chalcogenide suspended slot hybrid plasmonic microring resonator. Optik, 2023, 274, 170595.	1.4	1
677	Intelligent detection of complex biochemical compounds with multiplexed microresonator sensor., 2023,,.		0
678	A pH-Controlled Solid Inhibitor Based on PAM Hydrogel for Steel Corrosion Protection in Wide Range pH NaCl Medium. Molecules, 2023, 28, 1314.	1.7	2
679	Dual-resonance sensing for environmental refractive index based on quasi-BIC states in all-dielectric metasurface. Nanophotonics, 2023, 12, 1147-1157.	2.9	19
680	pH-sensitive optical micro-resonator based on PAA/PVA gel swelling. , 2023, , .		1
681	Nonreciprocal cross-polarization coupling in whispering-gallery microresonators., 2023,,.		O

#	ARTICLE	IF	CITATIONS
682	Review of effects involving coresonant whispering-gallery modes of orthogonal polarization. , 2023, , .		0
683	Half-Ring Microlasers Based on InGaAs Quantum Well-Dots with High Material Gain. Photonics, 2023, 10, 290.	0.9	1
684	Electromagnetic Resonance in Organic Conductive Polymers. Journal of Physical Chemistry C, 2023, 127, 5643-5652.	1.5	2
685	On-chip integration of optical microbottles for biosensing. , 2023, , .		0
686	Flexible polymer packaged high-Q WGM resonators for displacement detection. , 2023, , .		0
687	"Grafting-To―Covalent Binding of Plasmonic Nanoparticles onto Silica WGM Microresonators: Mechanically Robust Single-Molecule Sensors and Determination of Activation Energies from Single-Particle Events. Sensors, 2023, 23, 3455.	2.1	3
688	Review of Microbottle Resonators for Sensing Applications. Micromachines, 2023, 14, 734.	1.4	1
702	Subwavelength Diamond Grating Metawaveguides for Ring Resonator Mode Volume Reduction. , 2023, ,		0
703	Rare earth-doped glass whispering gallery mode micro-lasers. European Physical Journal Plus, 2023, 138, .	1.2	3
706	Al-based solution for robust detection with optical microresonators., 2023,,.		0
713	Ultra-Sensitive Micro-Toroid Resonator Sensor Capable of Resolving the Angular Orientation of Nanoscale Objects., 2023,,.		0
722	Microfluidic Fabrication of Polymeric Microspheres Doped with Quantum Dots for Biosensors. , 2023, , .		0
736	Modeling and Characterization of Microspheres with Silver Molecular Clusters for Sensor Applications. , 0, , .		0
744	Numerical simulation of thermorefractive noise in optical microresonators., 2023,,.		O