

Liying Liu

List of Publications by Year in descending order

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all docs

42
docs citations

42
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Strain and Temperature Measurements With Fiber Bragg Grating Written in Novel Hi-Bi Optical Fiber. IEEE Photonics Technology Letters, 2004, 16, 221-223.	2.5	101
2	Self-Referencing Optofluidic Ring Resonator Sensor for Highly Sensitive Biomolecular Detection. Analytical Chemistry, 2013, 85, 9328-9332.	6.5	100
3	Kerr parametric oscillations and frequency comb generation from dispersion compensated silica micro-bubble resonators. Optics Express, 2013, 21, 16908.	3.4	66
4	Ultralow sensing limit in optofluidic micro-bottle resonator biosensor by self-referenced differential-mode detection scheme. Applied Physics Letters, 2014, 104, .	3.3	63
5	Unidirectional single-frequency lasing from a ring-spiral coupled microcavity laser. Applied Physics Letters, 2008, 93, .	3.3	51
6	Fano resonance and improved sensing performance in a spectral-simplified optofluidic micro-bubble resonator by introducing selective modal losses. Optics Express, 2016, 24, 8574.	3.4	48
7	Thermo-optic properties of sol-gel-fabricated organic-inorganic hybrid waveguides. Journal of Applied Physics, 2003, 94, 4228-4230.	2.5	43
8	Precise measurement of micro bubble resonator thickness by internal aerostatic pressure sensing. Optics Express, 2016, 24, 20855.	3.4	28
9	Effect of zirconium(IV) propoxide concentration on the thermophysical properties of hybrid organic-inorganic films. Journal of Applied Physics, 2008, 104, .	2.5	27
10	Narrow-band polarized light emission from organic microcavity fabricated by sol-gel technique. Applied Physics Letters, 2003, 82, 2939-2941.	3.3	23
11	Significant Increment of Photoluminescence Quantum Yield by Efficiently Prohibiting Fluorescence Quenching in Erbium(III) Organic Complexes. Journal of Materials Research, 2005, 20, 2940-2946.	2.6	19
12	Switchable Random Laser From Dye-Doped Polymer Dispersed Liquid Crystal Waveguides. IEEE Journal of Quantum Electronics, 2007, 43, 407-410.	1.9	19
13	Optical Properties and Laser Output of Heavily Yb-Doped Fiber Prepared by Sol-Gel Method and DC-RTA Technique. Journal of Lightwave Technology, 2008, 26, 3256-3260.	4.6	15
14	Second-order optical nonlinearity in bulk PbO/B2O3 glass. Optics Communications, 2002, 210, 367-373.	2.1	14
15	Improvement of Fluorescence Lifetime from Er-Doped Sol-Gel Silica Glass by Dehydration in CCl4. Journal of Sol-Gel Science and Technology, 2004, 30, 29-33.	2.4	14
16	Low-loss channel waveguides and Y-splitter formed by ion-exchange in silica-on-silicon. Optics Express, 2008, 16, 3172.	3.4	13
17	High Quality Direct Photo-Patterned Microdisk Lasers With Organic-Inorganic Hybrid Materials. IEEE Journal of Quantum Electronics, 2008, 44, 75-80.	1.9	12
18	Highly collimated laser emission from a peanut-shaped microcavity. Applied Physics Letters, 2008, 92, 071111.	3.3	12

#	ARTICLE	IF	CITATIONS
19	Influence of different poling methods on the second-order nonlinearity in fused silica glasses. Optics Communications, 2000, 174, 475-479.	2.1	11
20	Nonuniform bulk second-order optical nonlinearity in PbO/B2O3 glass. Applied Physics Letters, 2000, 77, 70-72.	3.3	11
21	A semi-weakly confined erbium-doped waveguide amplifier with double-layered buffer/cladding. Optics Express, 2008, 16, 9844.	3.4	8
22	Optical Spring Effect in Micro-Bubble Resonators and Its Application for the Effective Mass Measurement of Optomechanical Resonant Mode. Sensors, 2017, 17, 2256.	3.8	7
23	Orthogonal Demodulation Poundâ€“Dreverâ€“Hall Technique for Ultra-Low Detection Limit Pressure Sensing. Sensors, 2019, 19, 3223.	3.8	7
24	Coupling free energy and surface anchoring mechanism in gold nanorodâ€“nematic liquid crystal dispersions. RSC Advances, 2018, 8, 4104-4111.	3.6	6
25	Ultrahigh Sensitivity Machâ€“Zehnder Interferometer Sensor Based on a Weak One-Dimensional Field Confinement Silica Waveguide. Sensors, 2021, 21, 6600.	3.8	6
26	The photosensitivity and ultraviolet absorption change of Sn-doped silica film fabricated by modified chemical vapor deposition. Journal of Applied Physics, 2004, 96, 6153-6158.	2.5	5
27	Spacing-Tailored Multicore Fiber Interface for Efficient FIFO Devices. Journal of Lightwave Technology, 2022, 40, 5682-5688.	4.6	4
28	Second-order nonlinearities of lead borate glasses poled with different electrodes. Journal of Non-Crystalline Solids, 2008, 354, 1250-1255.	3.1	3
29	Single mode operation and ultrawide tuning of on-chip optofluidic dye lasers. Lab on A Chip, 2020, 20, 3757-3762.	6.0	3
30	Second-Order Optical Nonlinear Properties of Glasses. , 2006, , 153-189.		1
31	Highly Sensitive Complicated Spectrum Analysis in Micro-Bubble Resonators Using the Orthogonal Demodulation Poundâ€“Dreverâ€“Hall Technique. Applied Sciences (Switzerland), 2020, 10, 6256.	2.5	1
32	Weak One-Dimensional Field Confinement Silica Waveguides. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	1
33	Wide and continuous dynamic tuning of period, modulation depth and duty cycle of a laminar-flow-based microfluidic grating. Lab on A Chip, 2021, 21, 4118-4127.	6.0	1
34	Intense directional lasing from non-circular micro-ring cavities. , 0, , .		0
35	Random Laser Emission from Surface-corrugated Waveguide. , 0, , .		0
36	Highly Collimated Lasing Emission from a Peanut-Shaped Micro-Cavity. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
37	Dynamics of Photo-induced Optical Nonlinearity Enhancement of Azo-benzene doped Liquid Crystals. , 2007, , .		0
38	Liquid crystals based tunable high-Q directional random laser from a planar random microcavity. , 2007, , .		0
39	Tunable High-Q Directional Random Laser from a Planar Random Microcavity. , 2007, , .		0
40	High Quality Direct Photo-patterned Microdisk Lasers with Organic/Inorganic Hybrid Materials. , 2007, , .		0
41	Single mode lasing from a coupled asymmetric microcavity. , 2008, , .		0
42	Hybrid inorganic-organic films with Benzaldehyde-based chromophore for electro-optic device. , 2010, , .		0