

Lin Zhu

List of Publications by Year in descending order

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65
papers

1,027
citations

516710

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434195

31
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65
all docs

65
docs citations

65
times ranked

1132
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmission and group delay of microring coupled-resonator optical waveguides. Optics Letters, 2006, 31, 456.	3.3	246
2	Graphene-based tunable terahertz plasmon-induced transparency metamaterial. Nanoscale, 2016, 8, 15273-15280.	5.6	151
3	Tunable plasmon-induced transparency in a grating-coupled double-layer graphene hybrid system at far-infrared frequencies. Optics Letters, 2016, 41, 5470.	3.3	48
4	Polymer microring coupled-resonator optical waveguides. Journal of Lightwave Technology, 2006, 24, 1843-1849.	4.6	47
5	Modal Properties of Hybrid Plasmonic Waveguides for Nanolaser Applications. IEEE Photonics Technology Letters, 2010, 22, 535-537.	2.5	37
6	Narrow-linewidth, tunable external cavity dual-band diode lasers through InP/GaAs-Si ₃ N ₄ hybrid integration. Optics Express, 2019, 27, 2354.	3.4	31
7	Modal Gain Analysis of Transverse Bragg Resonance Waveguide Lasers With and Without Transverse Defects. IEEE Journal of Quantum Electronics, 2007, 43, 934-940.	1.9	29
8	Surface plasmon waves generated by nanogrooves through spectral interference. Physical Review B, 2010, 81, .	3.2	29
9	A Highly Precise Demodulation Method for Fiber Fabry-Perot Cavity Through Spectrum Reconstruction. IEEE Photonics Technology Letters, 2018, 30, 435-438.	2.5	23
10	Enhanced optical forces in 2D hybrid and plasmonic waveguides. Optics Letters, 2010, 35, 1563.	3.3	22
11	Optical beam steering by using tunable, narrow-linewidth butt-coupled hybrid lasers in a silicon nitride photonics platform. Photonics Research, 2020, 8, 375.	7.0	22
12	Efficient end-fire coupling of surface plasmons on flat metal surfaces for improved plasmonic Mach-Zehnder interferometer. Journal of Applied Physics, 2013, 113, .	2.5	21
13	Electrically pumped edge-emitting photonic crystal lasers with angled facets. Optics Letters, 2007, 32, 1256.	3.3	19
14	Polymeric multi-channel bandpass filters in phase-shifted Bragg waveguide gratings by direct electron beam writing. Optics Express, 2004, 12, 6372.	3.4	17
15	Impacts of cascaded filters with group delay ripples on 40-Gb/s WDM transmission system. IEEE Photonics Technology Letters, 2002, 14, 1518-1520.	2.5	16
16	Electrically-pumped, broad-area, single-mode photonic crystal lasers. Optics Express, 2007, 15, 5966.	3.4	16
17	Room temperature continuous wave operation of single-mode, edge-emitting photonic crystal Bragg lasers. Optics Express, 2008, 16, 502.	3.4	16
18	Frequency dependence of the optical force between two coupled waveguides. Optics Letters, 2009, 34, 2870.	3.3	16

#	ARTICLE	IF	CITATIONS
19	On-chip coherent combining of angled-grating diode lasers toward bar-scale single-mode lasers. Optics Express, 2012, 20, 6375.	3.4	14
20	Enhanced optomechanical interaction in coupled microresonators. Optics Express, 2012, 20, 20790.	3.4	14
21	A compact, broadband slot waveguide polarization rotator. AIP Advances, 2011, 1, .	1.3	13
22	Modal Gain Analysis of Parity-Time-Symmetric Distributed Feedback Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 5-11.	2.9	13
23	Accessing the Exceptional Points in Coupled Fabry-Pérot Resonators through Hybrid Integration. ACS Photonics, 2018, 5, 4920-4927.	6.6	13
24	Near-Field-Resonance-Enhanced Plasmonic Light Beaming. IEEE Photonics Journal, 2010, 2, 8-17.	2.0	12
25	Hydrothermal single crystal growth and second harmonic generation of Li ₂ SiO ₃ , Li ₂ GeO ₃ and Li ₂ Si ₂ O ₅ . Journal of Crystal Growth, 2018, 493, 58-64.	1.5	12
26	Integration of a multimode interference coupler with a corrugated sidewall Bragg grating in planar polymer waveguides. IEEE Photonics Technology Letters, 2006, 18, 740-742.	2.5	10
27	Internal frequency mixing in a single optomechanical resonator. Applied Physics Letters, 2012, 101, 231112.	3.3	10
28	Dynamic nonlinear thermal optical effects in coupled ring resonators. AIP Advances, 2012, 2, .	1.3	10
29	Electrically pumped two-dimensional Bragg grating lasers. Optics Letters, 2006, 31, 1863.	3.3	9
30	Optomechanical nonlinearity enhanced optical sensors. Optics Express, 2015, 23, 2973.	3.4	9
31	High-power single-mode triple-ridge waveguide semiconductor laser based on supersymmetry. AIP Advances, 2021, 11, .	1.3	9
32	Two-dimensional Bragg grating lasers defined by electron-beam lithography. Journal of Vacuum Science & Technology B, 2006, 24, 2926.	1.3	7
33	Spatial modal control of two-dimensional photonic crystal Bragg lasers. Optics Letters, 2007, 32, 2273.	3.3	6
34	Periodic sub-wavelength electron beam lithography defined photonic crystals for mode control in semiconductor lasers. Microelectronic Engineering, 2008, 85, 758-760.	2.4	6
35	Copper detection utilizing dendrimer and gold nanowire-induced surface plasmon resonance. Journal of Applied Physics, 2011, 109, 014911.	2.5	6
36	Loss induced coherent combining in InP-Si ₃ N ₄ hybrid platform. Scientific Reports, 2018, 8, 878.	3.3	6

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37	Integrated Single Frequency, High Power Laser Sources Based on Monolithic and Hybrid Coherent Beam Combining. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	2.9	6
38	Two-dimensional photonic crystal Bragg lasers with triangular lattice for monolithic coherent beam combining. Scientific Reports, 2017, 7, 10610.	3.3	5
39	Continuous-wave operation of electrically pumped, single-mode, edge-emitting photonic crystal Bragg lasers. Applied Physics Letters, 2007, 90, 261116.	3.3	4
40	Improved Beam Quality of Coherently Combined Angled-Grating Broad-Area Lasers. IEEE Photonics Journal, 2013, 5, 1500307-1500307.	2.0	4
41	Improve power conversion efficiency of slab coupled optical waveguide lasers. Optics Express, 2014, 22, 17666.	3.4	4
42	Optomechanical transductions in single and coupled wheel resonators. Optics Express, 2013, 21, 6371.	3.4	3
43	Modal Discrimination in Parity-Time-Symmetric Single Microring Lasers. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	3
44	Photonic integrated circuits based hybrid integration for wavelength beam combining. Optics Letters, 2020, 45, 6338.	3.3	3
45	Hydrothermal single crystal growth and structural investigation of the stuffed tridymite family as NLO materials. Journal of Alloys and Compounds, 2022, 909, 164634.	5.5	3
46	Narrow-linewidth, tunable external cavity diode lasers through hybrid integration of quantum-well/quantum-dot SOAs with Si ₃ N ₄ microresonators. , 2018, , .		2
47	Large-area, semiconductor transverse Bragg resonance (TBR) lasers for efficient, high power operation. , 2005, , .		1
48	Electron-Beam Lithography Techniques for Micro- and Nano-scale Surface Structure Current Injection Lasers. , 2007, , .		1
49	Hybrid integration for coherent laser beam combining on silicon photonics platform. , 2016, , .		1
50	Slope efficiency of integrated external cavity hybrid lasers: A general model and analysis. AIP Advances, 2019, 9, 035201.	1.3	1
51	Hybrid integration of active semiconductor devices with passive micro/nano optical structures for emerging applications. , 2019, , .		1
52	System Stimulation for Dispersion Compensation with Nonideal Chirped Fiber Bragg Grating. Journal of Infrared, Millimeter and Terahertz Waves, 2002, 23, 465-473.	0.6	0
53	Design of the optical label eraser for DWDM network systems. Microwave and Optical Technology Letters, 2003, 36, 489-491.	1.4	0
54	Tunable transmission filters based on corrugated sidewall Bragg gratings in polymer waveguides. , 2005, , .		0

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55	Transmission amplitude and phase measurements of microring Coupled-Resonator Optical Waveguides. , 2006, , .		0
56	Electrically pumped, edge-emitting, large-area photonic crystal lasers with straight and angled facets. , 2007, , .		0
57	Spectral and spatial modal control of photonic crystal broad area lasers. Proceedings of SPIE, 2009, , .	0.8	0
58	Observation of surface plasmon waves generated by nanogrooves through spectral interference. , 2010, , .		0
59	Folded cavity angled-grating broad-area lasers. Optics Express, 2013, 21, 24087.	3.4	0
60	Controllable optomechanical coupling in serially-coupled triple resonators. AIP Advances, 2014, 4, 127146.	1.3	0
61	Integrated coherent combining of photonic crystal Bragg lasers with triangular lattice. , 2016, , .		0
62	Integrated coherent combining of angled-grating broad-area lasers. Frontiers of Optoelectronics, 2016, 9, 290-300.	3.7	0
63	Room temperature continuous wave operation of single-mode, edge-emitting photonic crystal Bragg lasers. , 2008, , .		0
64	Optomechanical Transduction in Coupled Wheel Resonators. , 2013, , .		0
65	Photonic integrated circuit based beam combining for future direct diode laser systems. , 2020, , .		0