

# Lin Zhu

## List of Publications by Year in descending order

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65  
papers

1,027  
citations

516710

16  
h-index

434195

31  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal single crystal growth and structural investigation of the stuffed tridymite family as NLO materials. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164634.	5.5	3
2	High-power single-mode triple-ridge waveguide semiconductor laser based on supersymmetry. <i>AIP Advances</i> , 2021, 11, .	1.3	9
3	Optical beam steering by using tunable, narrow-linewidth butt-coupled hybrid lasers in a silicon nitride photonics platform. <i>Photonics Research</i> , 2020, 8, 375.	7.0	22
4	Photonic integrated circuit based beam combining for future direct diode laser systems. , 2020, , .		0
5	Photonic integrated circuits based hybrid integration for wavelength beam combining. <i>Optics Letters</i> , 2020, 45, 6338.	3.3	3
6	Slope efficiency of integrated external cavity hybrid lasers: A general model and analysis. <i>AIP Advances</i> , 2019, 9, 035201.	1.3	1
7	Narrow-linewidth, tunable external cavity dual-band diode lasers through InP/GaAs-Si <sub>3</sub> N <sub>4</sub> hybrid integration. <i>Optics Express</i> , 2019, 27, 2354.	3.4	31
8	Hybrid integration of active semiconductor devices with passive micro/nano optical structures for emerging applications. , 2019, , .		1
9	Hydrothermal single crystal growth and second harmonic generation of Li <sub>2</sub> SiO <sub>3</sub> , Li <sub>2</sub> GeO <sub>3</sub> and Li <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> . <i>Journal of Crystal Growth</i> , 2018, 493, 58-64.	1.5	12
10	Loss induced coherent combining in InP-Si <sub>3</sub> N <sub>4</sub> hybrid platform. <i>Scientific Reports</i> , 2018, 8, 878.	3.3	6
11	A Highly Precise Demodulation Method for Fiber Fabry-Perot Cavity Through Spectrum Reconstruction. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 435-438.	2.5	23
12	Accessing the Exceptional Points in Coupled Fabry-Perot Resonators through Hybrid Integration. <i>ACS Photonics</i> , 2018, 5, 4920-4927.	6.6	13
13	Integrated Single Frequency, High Power Laser Sources Based on Monolithic and Hybrid Coherent Beam Combining. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-8.	2.9	6
14	Narrow-linewidth, tunable external cavity diode lasers through hybrid integration of quantum-well/quantum-dot SOAs with Si <sub>3</sub> N <sub>4</sub> microresonators. , 2018, , .		2
15	Two-dimensional photonic crystal Bragg lasers with triangular lattice for monolithic coherent beam combining. <i>Scientific Reports</i> , 2017, 7, 10610.	3.3	5
16	Modal Discrimination in Parity-Time-Symmetric Single Microring Lasers. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	2.0	3
17	Hybrid integration for coherent laser beam combining on silicon photonics platform. , 2016, , .		1
18	Graphene-based tunable terahertz plasmon-induced transparency metamaterial. <i>Nanoscale</i> , 2016, 8, 15273-15280.	5.6	151

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19	Tunable plasmon-induced transparency in a grating-coupled double-layer graphene hybrid system at far-infrared frequencies. <i>Optics Letters</i> , 2016, 41, 5470.	3.3	48
20	Integrated coherent combining of photonic crystal Bragg lasers with triangular lattice. , 2016, , .		0
21	Integrated coherent combining of angled-grating broad-area lasers. <i>Frontiers of Optoelectronics</i> , 2016, 9, 290-300.	3.7	0
22	Modal Gain Analysis of Parity-Time-Symmetric Distributed Feedback Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 5-11.	2.9	13
23	Optomechanical nonlinearity enhanced optical sensors. <i>Optics Express</i> , 2015, 23, 2973.	3.4	9
24	Improve power conversion efficiency of slab coupled optical waveguide lasers. <i>Optics Express</i> , 2014, 22, 17666.	3.4	4
25	Controllable optomechanical coupling in serially-coupled triple resonators. <i>AIP Advances</i> , 2014, 4, 127146.	1.3	0
26	Improved Beam Quality of Coherently Combined Angled-Grating Broad-Area Lasers. <i>IEEE Photonics Journal</i> , 2013, 5, 1500307-1500307.	2.0	4
27	Optomechanical transductions in single and coupled wheel resonators. <i>Optics Express</i> , 2013, 21, 6371.	3.4	3
28	Folded cavity angled-grating broad-area lasers. <i>Optics Express</i> , 2013, 21, 24087.	3.4	0
29	Efficient end-fire coupling of surface plasmons on flat metal surfaces for improved plasmonic Mach-Zehnder interferometer. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	21
30	Optomechanical Transduction in Coupled Wheel Resonators. , 2013, , .		0
31	Internal frequency mixing in a single optomechanical resonator. <i>Applied Physics Letters</i> , 2012, 101, 231112.	3.3	10
32	On-chip coherent combining of angled-grating diode lasers toward bar-scale single-mode lasers. <i>Optics Express</i> , 2012, 20, 6375.	3.4	14
33	Enhanced optomechanical interaction in coupled microresonators. <i>Optics Express</i> , 2012, 20, 20790.	3.4	14
34	Dynamic nonlinear thermal optical effects in coupled ring resonators. <i>AIP Advances</i> , 2012, 2, .	1.3	10
35	A compact, broadband slot waveguide polarization rotator. <i>AIP Advances</i> , 2011, 1, .	1.3	13
36	Copper detection utilizing dendrimer and gold nanowire-induced surface plasmon resonance. <i>Journal of Applied Physics</i> , 2011, 109, 014911.	2.5	6

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37	Surface plasmon waves generated by nanogrooves through spectral interference. Physical Review B, 2010, 81, .	3.2	29
38	Modal Properties of Hybrid Plasmonic Waveguides for Nanolaser Applications. IEEE Photonics Technology Letters, 2010, 22, 535-537.	2.5	37
39	Enhanced optical forces in 2D hybrid and plasmonic waveguides. Optics Letters, 2010, 35, 1563.	3.3	22
40	Near-Field-Resonance-Enhanced Plasmonic Light Beaming. IEEE Photonics Journal, 2010, 2, 8-17.	2.0	12
41	Observation of surface plasmon waves generated by nanogrooves through spectral interference. , 2010, , .		0
42	Frequency dependence of the optical force between two coupled waveguides. Optics Letters, 2009, 34, 2870.	3.3	16
43	Spectral and spatial modal control of photonic crystal broad area lasers. Proceedings of SPIE, 2009, , .	0.8	0
44	Periodic sub-wavelength electron beam lithography defined photonic crystals for mode control in semiconductor lasers. Microelectronic Engineering, 2008, 85, 758-760.	2.4	6
45	Room temperature continuous wave operation of single-mode, edge-emitting photonic crystal Bragg lasers. Optics Express, 2008, 16, 502.	3.4	16
46	Room temperature continuous wave operation of single-mode, edge-emitting photonic crystal Bragg lasers. , 2008, , .		0
47	Continuous-wave operation of electrically pumped, single-mode, edge-emitting photonic crystal Bragg lasers. Applied Physics Letters, 2007, 90, 261116.	3.3	4
48	Electron-Beam Lithography Techniques for Micro- and Nano-scale Surface Structure Current Injection Lasers. , 2007, , .		1
49	Electrically pumped, edge-emitting, large-area photonic crystal lasers with straight and angled facets. , 2007, , .		0
50	Electrically pumped edge-emitting photonic crystal lasers with angled facets. Optics Letters, 2007, 32, 1256.	3.3	19
51	Spatial modal control of two-dimensional photonic crystal Bragg lasers. Optics Letters, 2007, 32, 2273.	3.3	6
52	Electrically-pumped, broad-area, single-mode photonic crystal lasers. Optics Express, 2007, 15, 5966.	3.4	16
53	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
54	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

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55	Transmission and group delay of microring coupled-resonator optical waveguides. Optics Letters, 2006, 31, 456.	3.3	246
56	Electrically pumped two-dimensional Bragg grating lasers. Optics Letters, 2006, 31, 1863.	3.3	9
57	Polymer microring coupled-resonator optical waveguides. Journal of Lightwave Technology, 2006, 24, 1843-1849.	4.6	47
58	Two-dimensional Bragg grating lasers defined by electron-beam lithography. Journal of Vacuum Science & Technology B, 2006, 24, 2926.	1.3	7
59	Transmission amplitude and phase measurements of microring Coupled-Resonator Optical Waveguides. , 2006, , .		0
60	Large-area, semiconductor transverse Bragg resonance (TBR) lasers for efficient, high power operation. , 2005, , .		1
61	Tunable transmission filters based on corrugated sidewall Bragg gratings in polymer waveguides. , 2005, , .		0
62	Polymeric multi-channel bandpass filters in phase-shifted Bragg waveguide gratings by direct electron beam writing. Optics Express, 2004, 12, 6372.	3.4	17
63	Design of the optical label eraser for DWDM network systems. Microwave and Optical Technology Letters, 2003, 36, 489-491.	1.4	0
64	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
65	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