Lan Li

List of Publications by Year in descending order

		394390	265191
63	1,779	19	42
papers	citations	h-index	g-index

67	67	67	2100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High Q-factor, ultrasensitivity slot microring resonator sensor based on chalcogenide glasses. Optics Express, 2022, 30, 3866.	3.4	19
2	Interlayer Slope Waveguide Coupler for Multilayer Chalcogenide Photonics. Photonics, 2022, 9, 94.	2.0	0
3	Silicon Thermo-Optic Switches with Graphene Heaters Operating at Mid-Infrared Waveband. Nanomaterials, 2022, 12, 1083.	4.1	13
4	Narrow-bandwidth Bragg grating filter based on Ge-Sb-Se chalcogenide glasses. Optics Express, 2022, 30, 12228.	3.4	2
5	Tunable narrow-band single-channel add-drop integrated optical filter with ultrawide FSR. PhotoniX, 2022, 3, .	13.5	14
6	High-performance silicon PIN diode switches in the 2-Âµm wave band. Optics Letters, 2022, 47, 2758.	3.3	8
7	Magnetron-sputtered and thermal-evaporated low-loss Sb-Se phase-change films in non-volatile integrated photonics. Optical Materials Express, 2022, 12, 2815.	3.0	12
8	Flexible passive integrated photonic devices with superior optical and mechanical performance. Optics Express, 2022, 30, 26534.	3.4	2
9	Waveguide-Integrated PdSe₂ Photodetector over a Broad Infrared Wavelength Range. Nano Letters, 2022, 22, 6816-6824.	9.1	18
10	Twoâ€Dimensional Materials for Integrated Photonics: Recent Advances and Future Challenges. Small Science, 2021, 1, 2000053.	9.9	56
11	Passive devices at 2 Âµm wavelength on 200 mm CMOS-compatible silicon photonics platform [Invited]. Chinese Optics Letters, 2021, 19, 071301.	2.9	14
12	Flexible Photonic Probes for New-Generation Brainâ€“Computer Interfaces. Accounts of Materials Research, 2021, 2, 315-318.	11.7	5
13	Large-area optical metasurface fabrication using nanostencil lithography. Optics Letters, 2021, 46, 2324.	3.3	8
14	Free-spectral-range-free filters with ultrawide tunability across the Sâ€‰+â€‰Câ€‰+â€‰L band. Photonics Research, 2021, 9, 1013.	7.0	12
15	3D Integrated Photonics Platform with Deterministic Geometry Control. , 2021, , .		0
16	A universal approach for photonic integration on flexible substrates. , 2021, , .		0
17	Fast thermo-optical modulators with doped-silicon heaters operating at 2 Î¼m. Optics Express, 2021, 29, 23508.	3.4	27
18	High-sensitivity refractive index sensor based on Geâ€“Sbâ€“Se chalcogenide microring resonator. Infrared Physics and Technology, 2021, 116, 103792.	2.9	17

#	Article	IF	Citations
19	Monolithic chalcogenide glass waveguide integrated interband cascaded laser. Optical Materials Express, 2021, 11, 2869.	3.0	8
20	High-Performance Waveguide-Integrated Bi₂O₂Se Photodetector for Si Photonic Integrated Circuits. ACS Nano, 2021, 15, 15982-15991.	14.6	33
21	High-performance graphene-integrated thermo-optic switch: design and experimental validation [Invited]. Optical Materials Express, 2020, 10, 387.	3.0	13
22	3D integrated photonics platform with deterministic geometry control. Photonics Research, 2020, 8, 194.	7.0	10
23	A 3-D integrated photonics platform with deterministic geometry control. , 2020, , .		0
24	Integrated photonics put at full stretch: flexible and stretchable photonic devices enabled by optical and mechanical co-design. , 2019, , .		0
25	Monolithically integrated stretchable photonics. Light: Science and Applications, 2018, 7, 17138-17138.	16.6	94
26	Electronic structure, pore size distribution, and sorption characterization of an unusual MOF, {[Ni(dpbz)][Ni(CN)4]}n, dpbz = 1,4-bis(4-pyridyl)benzene. Journal of Applied Physics, 2018, 123, 245105.	2.5	9
27	High-performance flexible waveguide-integrated photodetectors. Optica, 2018, 5, 44.	9.3	54
28	Stretchable Integrated Microphotonics. , 2018, , .		1
29	A new twist on glass: A brittle material enabling flexible integrated photonics. International Journal of Applied Glass Science, 2017, 8, 61-68.	2.0	27
30	Chalcogenide glass-on-graphene photonics. Nature Photonics, 2017, 11, 798-805.	31.4	190
31	Chalcogenide Glass-on-Graphene Photonics. , 2017, , .		0
32	Flexible waveguide-integrated photodetectors. , 2017, , .		0
33	Low-loss photonic device in Geâ€“Sbâ€“S chalcogenide glass. Optics Letters, 2016, 41, 3090.	3.3	65
34	Monolithic High-Index-Contrast Stretchable Photonics. , 2016, , .		1
35	Foldable and Cytocompatible Sol-gel TiO2 Photonics. Scientific Reports, 2015, 5, 13832.	3.3	36
36	Impact of Stoichiometry on Structural and Optical Properties of Sputter Deposited Multicomponent Tellurite Glass Films. Journal of the American Ceramic Society, 2015, 98, 1731-1738.	3.8	15

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37	Substrate-blind photonic integration. , 2015, , .		0
38	Highâ€Performance, Highâ€Indexâ€Contrast Chalcogenide Glass Photonics on Silicon and Unconventional Nonâ€planar Substrates. Advanced Optical Materials, 2014, 2, 478-486.	7.3	54
39	High-Q Mid-Infrared Chalcogenide Glass Resonators for Chemical Sensing. , 2014, , .		1
40	Chip-to-chip optical interconnects based on flexible integrated photonics. Proceedings of SPIE, 2014, , .	0.8	1
41	Planar chalcogenide glass mid-infrared photonics. , 2014, , .		0
42	Demonstration of high-performance, sub-micron chalcogenide glass photonic devices by thermal nanoimprint. Proceedings of SPIE, 2014, , .	0.8	0
43	ZrO₂-TiO₂thin films and resonators for mid-infrared integrated photonics. Proceedings of SPIE, 2014, , .	0.8	2
44	Solution Processing and Resistâ€Free Nanoimprint Fabrication of Thin Film Chalcogenide Glass Devices: Inorganicâ€“Organic Hybrid Photonic Integration. Advanced Optical Materials, 2014, 2, 759-764.	7.3	47
45	ZrO2-TiO2 Thin Films and Resonators for Mid-Infrared Integrated Photonics. , 2014, , .		0
46	Integrated flexible chalcogenide glass photonic devices. Nature Photonics, 2014, 8, 643-649.	31.4	291
47	Mid-infrared materials and devices on a Si platform for optical sensing. Science and Technology of Advanced Materials, 2014, 15, 014603.	6.1	143
48	Substrate-blind photonic integration based on high-index glass materials. , 2014, , .		1
49	Chalcogenide glass planar photonics: from mid-IR sensing to 3-D flexible substrate integration. , 2013, , .		2
50	Thermal nanoimprint fabrication of chalcogenide glass waveguide resonators on nonconventional plastic substrates. , 2013, , .		0
51	A Fully-Integrated Flexible Photonic Platform for Chip-to-Chip Optical Interconnects. Journal of Lightwave Technology, 2013, 31, 4080-4086.	4.6	57
52	Cavity-enhanced mid-infrared on-chip chemical sensing using high-Q chalcogenide glass resonators. , 2013, , .		0
53	Demonstration of high-Q mid-infrared chalcogenide glass-on-silicon resonators. Optics Letters, 2013, 38, 1470.	3.3	87
54	ZrO_2-TiO_2 thin films: a new material system for mid-infrared integrated photonics. Optical Materials Express, 2013, 3, 1537.	3.0	30

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55	Demonstration of mid-infrared waveguide photonic crystal cavities. Optics Letters, 2013, 38, 2779.	3.3	32
56	A fully-integrated flexible photonic platform for chip-to-chip optical interconnects. , 2013, , .		0
57	Flexible integrated photonics: where materials, mechanics and optics meet [Invited]. Optical Materials Express, 2013, 3, 1313.	3.0	153
58	245th American Chemical Society Meeting and Exposition (ACS Spring 2013). Powder Diffraction, 2013, 28, 240-241.	0.2	0
59	High-Q Mid-Infrared Chalcogenide Glass-On-Silicon Resonators for Spectroscopic Chemical Sensing. , 2013, , .		0
60	Thermal nanoimprint fabrication of chalcogenide glass waveguide resonators. , 2013, , .		0
61	Effect of annealing conditions on the physio-chemical properties of spin-coated As_2Se_3 chalcogenide glass films. Optical Materials Express, 2012, 2, 1723.	3.0	73
62	Chalcogenide glass based integrated photonics. Proceedings of SPIE, 2012, , .	0.8	1
63	Sm0.2Ce0.8O1.9/Y0.25Bi0.75O1.5 bilayered electrolytes for low-temperature SOFCs with Ag-Y0.25Bi0.75O1.5 composite cathodes. Solid State Ionics, 2011, 192, 557-560.	2.7	20