

Lai Liu

List of Publications by Year in descending order

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papers

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623734

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29
all docs

29
docs citations

29
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Passively Q-switching induced by gold nanocrystals. Applied Physics Letters, 2012, 101, .	3.3	122
2	Passively mode-locking induced by gold nanorods in erbium-doped fiber lasers. Applied Physics Letters, 2013, 103, .	3.3	119
3	Coherent mid-infrared supercontinuum generation in all-solid chalcogenide microstructured fibers with all-normal dispersion. Optics Letters, 2016, 41, 392.	3.3	115
4	Significant photoluminescence enhancement in WS ₂ monolayers through Na ₂ S treatment. Nanoscale, 2018, 10, 6105-6112.	5.6	35
5	Numerical investigation of mid-infrared supercontinuum generation up to 5 μ m in single mode fluoride fiber. Optics Express, 2011, 19, 10041.	3.4	33
6	Effect of mechanical forces on thermal stability reinforcement for lead based perovskite materials. Journal of Materials Chemistry A, 2019, 7, 540-548.	10.3	26
7	Supercontinuum generation in chalcogenide double-clad fiber with near zero-flattened normal dispersion profile. Journal of Optics (United Kingdom), 2017, 19, 095502.	2.2	24
8	Coherence property of mid-infrared supercontinuum generation in tapered chalcogenide fibers with different structures. Applied Physics Letters, 2016, 108, .	3.3	21
9	Increased Red Frequency Shift in Coherent Mid-Infrared Supercontinuum Generation From Tellurite Microstructured Fibers. Journal of Lightwave Technology, 2017, 35, 4740-4746.	4.6	21
10	Numerical investigation of mid-infrared Raman soliton source generation in endless single mode fluoride fibers. Journal of Applied Physics, 2014, 115, .	2.5	18
11	All-optical control of group velocity dispersion in tellurite photonic crystal fibers. Optics Letters, 2012, 37, 5124.	3.3	16
12	Numerical investigation of highly coherent mid-infrared supercontinuum generation in chalcogenide double-clad fiber. Optical Fiber Technology, 2017, 36, 82-91.	2.7	16
13	Supercontinuum generation and lasing in thulium doped tellurite microstructured fibers. Journal of Applied Physics, 2014, 115, 063106.	2.5	15
14	Recent advances of low-dimensional materials in lasing applications. FlatChem, 2018, 10, 22-38.	5.6	14
15	Facile synthesis of a dual-phase CsPbBr ₃ @CsPb ₂ Br ₅ single crystal and its photoelectric performance. RSC Advances, 2020, 10, 20745-20752.	3.6	13
16	Two-Dimensional Hybrid Composites of SnS ₂ Nanosheets Array Film with Graphene for Enhanced Photoelectric Performance. Nanomaterials, 2019, 9, 1122.	4.1	12
17	Template growth of perovskites on yarn fibers induced by capillarity for flexible photoelectric applications. Journal of Materials Chemistry C, 2019, 7, 9496-9503.	5.5	12
18	High-Performance Photoresistors Based on Perovskite Thin Film with a High PbI ₂ Doping Level. Nanomaterials, 2019, 9, 505.	4.1	12

#	ARTICLE	IF	CITATIONS
19	Post-treatment of $\text{CH}_3\text{NH}_3\text{Pb}_3/\text{Pb}_2$ Composite Films with Methylamine to Realize High-performance Photoconductor Devices. Chemistry - an Asian Journal, 2019, 14, 2861-2868.	3.3	7
20	Synthesis of Tetragonal Phase LiYF_4 : Yb and Tm Microcrystals with Strong UV Upconversion Fluorescence. Journal of Nanomaterials, 2018, 2018, 1-4.	2.7	6
21	All-Optical Tuning of Fano Resonance for Quasi-BIC and Terahertz Sensing Applications. Applied Sciences (Switzerland), 2022, 12, 4207.	2.5	6
22	Soliton self-frequency shift controlled by a weak seed laser in tellurite photonic crystal fibers. Optics Letters, 2013, 38, 2851.	3.3	5
23	Multiple soliton self-frequency shift cancellations in a temporally tailored photonic crystal fiber. Applied Physics Letters, 2014, 105, 181113.	3.3	4
24	Mid-infrared rogue wave generation in chalcogenide fibers. Proceedings of SPIE, 2017, , .	0.8	2
25	Mid-infrared supercontinuum generation in chalcogenide multi-step index fibers with normal chromatic dispersion. Proceedings of SPIE, 2017, , .	0.8	1
26	Numerical Investigation of Coherent Mid-infrared Supercontinuum Generation in Tapered Chalcogenide Fibers. , 2015, , .		0
27	Effects of Fluctuations of Pulse Duration and Peak Power on the Coherence Properties of Supercontinuum Spectra. , 2017, , .		0
28	Mid-infrared frequency conversion via normal dispersion modulation instability in chalcogenide fibers. , 2018, , .		0
29	A High-Sensitivity Resonant Magnetic Sensor Based on Graphene Nanomechanical Resonator. Micromachines, 2022, 13, 628.	2.9	0