Xiao Li

List of Publications by Year
in descending order

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31 papers	522 citations	933447 10 h-index	677142 22 g-index
31 all docs	31 docs citations	31 times ranked	811 citing authors

#	Article	IF	Citations
1	Macroscopic and microscopic defect management in blue/green photodetectors for underwater wireless optical communication. Journal of Materials Chemistry C, 2022, 10, 5970-5980.	5.5	5
2	Multifunctional two-dimensional glassy graphene devices for vis-NIR photodetection and volatile organic compound sensing. Science China Materials, 2021, 64, 1964-1976.	6.3	5
3	Optimizing GaAs nanowire-based visible-light photodetectors. Applied Physics Letters, 2021, 119, .	3.3	5
4	Proposal for temperature-independent optical sensor based on asymmetric Machâ€“Zehnder interferometer. Optical and Quantum Electronics, 2021, 53, 1.	3.3	0
5	AWG optical filter with tunable central wavelength and bandwidth based on LNOI and electro-optic effect. Optics Communications, 2020, 454, 124445.	2.1	10
6	A modified 160 Gbit/s OTDM system based on QPSK Nyquist pulses and coherent detection. Optics Communications, 2020, 455, 124551.	2.1	5
7	Ambipolar and Robust WSe 2 Fieldâ€Effect Transistors Utilizing Selfâ€Assembled Edge Oxides. Advanced Materials Interfaces, 2020, 7, 1901628.	3.7	11
8	LNOI waveguide grating based true time delay line for tunable bandpass microwave photonic filter. Optical and Quantum Electronics, 2020, 52, 1.	3.3	0
9	Spatially Bandgap-Graded MoS2(1â^'x)Se2x Homojunctions for Self-Powered Visibleâ€“Near-Infrared Phototransistors. Nano-Micro Letters, 2020, 12, 26.	27.0	22
10	Flexible and Selfâ€Powered Photodetector Arrays Based on Allâ€Inorganic CsPbBr₃ Quantum Dots. Advanced Materials, 2020, 32, e2000004.	21.0	134
11	Investigation into the current loss in InAs/GaAs quantum dot solar cells with Si-doped quantum dots. Journal Physics D: Applied Physics, 2019, 52, 505108.	2.8	0
12	Enhanced performance of ZnO nanoparticle decorated all-inorganic CsPbBr₃ quantum dot photodetectors. Journal of Materials Chemistry A, 2019, 7, 6134-6142.	10.3	64
13	Failure location mechanism in long-reach PON based on OCDR. Optical and Quantum Electronics, 2018, 50, 1.	3.3	0
14	Full Bandwidth Wavelength Division Multiplexer/Demultiplexer Based on MMI. IEEE Photonics Technology Letters, 2018, 30, 107-110.	2.5	14
15	Tunable Multiwavelength Optical Comb Enabled WDM-OFDM-PON With Source-Free ONUs. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	13
16	A novel reconfigurable radio-over-fiber system based on flexible optical devices. Optical and Quantum Electronics, 2018, 50, 1.	3.3	0
17	Semiconductor laser using multimode interference principle. Optics and Laser Technology, 2018, 98, 75-78.	4.6	4
18	Design of full-bandwidth ROADM based on MMI and MRRs. Optical and Quantum Electronics, 2018, 50, 1.	3.3	2

#	Article	IF	Citations
19	Recent Advances of Plasmonic Nanoparticles and their Applications. Materials, 2018, 11, 1833.	2.9	146
20	Epitaxial Growth of Fewâ€Layer Black Phosphorene Quantum Dots on Si Substrates. Advanced Materials Interfaces, 2018, 5, 1801048.	3.7	20
21	The reconfigurable dispersion compensator based on LNOI waveguide grating. Optical and Quantum Electronics, 2018, 50, 1.	3.3	2
22	Optimal design of DC-based polarization beam splitter in lithium niobate on insulator. Optics Communications, 2017, 396, 23-27.	2.1	28
23	Polarization beam splitter based on lithium niobate thin film. , 2016, , .		1
24	Precise Failure Location and Protection Mechanism in Long-Reach Passive Optical Network. Journal of Lightwave Technology, 2016, 34, 5175-5182.	4.6	15
25	The design of bidirectional RoF system based on optical coherent technology and improved OFDM mechanism. Optical and Quantum Electronics, 2015, 47, 1255-1265.	3.3	1
26	WDMâ€“OFDMâ€“RoF system based on optical coupling tandem single-sideband modulation. Optical and Quantum Electronics, 2015, 47, 2435-2443.	3.3	1
27	The radio-on-fiber-wavelength-division-multiplexed-passive-optical network (WDM-RoF-PON) for wireless and wire layout with linearly-polarized dual-wavelength fiber laser and carrier reusing. Optics and Laser Technology, 2013, 49, 301-306.	4.6	12
28	The RoF-WDM-PON for Wireless and Wire Layout with Multi-wavelength Fiber Laser and Carrier Reusing. Journal of Optical Communications, 2013, 34, .	4.7	2
29	A Novel Scheme of Generating Optical Packets in OLS System. Journal of Optical Communications, 2012, 33, .	4.7	0
30	A Vibration Sensor System based on Distributed Feedback Fiber Lasers and Digital Phase Generated Carrier Demodulation. Journal of Optical Communications, 2012, 33, .	4.7	0
31	Optical Labelling Scheme Based on Dedicated Wavelength and Hybrid Modulation Techniques. Journal of Optical Communications, 2011, 32, .	4.7	0