

Xiao-Yang Zhang

List of Publications by Year in descending order

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25
papers

725
citations

687363

13
h-index

580821

25
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all docs

25
docs citations

25
times ranked

1172
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in 2D material van der Waals heterostructure-based luminescence devices towards the infrared wavelength range. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7352-7367.	5.5	6
2	Recent progress on nanostructure-based broadband absorbers and their solar energy thermal utilization. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 35-48.	4.4	12
3	Electrospinning Ag-TiO ₂ Nanorod-Loaded Air Treatment Filters and Their Applications in Air Purification. <i>Molecules</i> , 2020, 25, 3369.	3.8	8
4	Plasmonic enhanced mid-infrared InAs/GaSb superlattice photodetectors with the hybrid mode for wavelength-selective detection. <i>AIP Advances</i> , 2019, 9, 085121.	1.3	4
5	Progress in the Utilization Efficiency Improvement of Hot Carriers in Plasmon-Mediated Heterostructure Photocatalysis. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2093.	2.5	10
6	Real-Time Electro-Optical Tunable Hyperlens Under Subwavelength Scale. <i>IEEE Photonics Journal</i> , 2018, 10, 1-9.	2.0	9
7	Silver nanoplate aggregation based multifunctional black metal absorbers for localization, photothermic harnessing enhancement and omnidirectional light antireflection. <i>Journal of Materials Chemistry C</i> , 2018, 6, 989-999.	5.5	32
8	Seeds screening aqueous synthesis, multiphase interfacial separation and <i>in situ</i> optical characterization of invisible ultrathin silver nanowires. <i>Nanoscale</i> , 2018, 10, 15468-15484.	5.6	13
9	Hybrid fiber resonator employing LRSPP waveguide coupler for gyroscope. <i>Scientific Reports</i> , 2017, 7, 41146.	3.3	6
10	Seeds triggered massive synthesis and multi-step room temperature post-processing of silver nanoink [®] application for paper electronics. <i>RSC Advances</i> , 2017, 7, 8-19.	3.6	26
11	Investigation of simultaneously existed Raman scattering enhancement and inhibiting fluorescence using surface modified gold nanostars as SERS probes. <i>Scientific Reports</i> , 2017, 7, 6813.	3.3	44
12	Synthesis of silver nanoplate based two-dimension plasmonic platform from 25 nm to 40 μ m: growth mechanism and optical characteristic investigation <i>in situ</i> . <i>RSC Advances</i> , 2017, 7, 55680-55690.	3.6	7
13	Synthesis and characterization of cross-linkable fluorinated polyimide for optical waveguide. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 655-664.	2.3	20
14	High quantum-yield luminescent MoS ₂ quantum dots with variable light emission created via direct ultrasonic exfoliation of MoS ₂ nanosheets. <i>RSC Advances</i> , 2015, 5, 95178-95182.	3.6	63
15	Low-Loss Polymer-Based Ring Resonator for Resonant Integrated Optical Gyroscopes. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	2.7	5
16	Synthesis of Silver Nanostructures by Multistep Methods. <i>Sensors</i> , 2014, 14, 5860-5889.	3.8	67
17	Integrated optical gyroscope using active Long-range surface plasmon-polariton waveguide resonator. <i>Scientific Reports</i> , 2014, 4, 3855.	3.3	29
18	Controllable plasmonic antennas with ultra narrow bandwidth based on silver nano-flags. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	23

#	ARTICLE	IF	CITATIONS
19	66.3: Design of Color Backlight for High Efficiency Display using Optical Waveguide Gratings. Digest of Technical Papers SID International Symposium, 2012, 43, 901-904.	0.3	2
20	Fabrication and spectroscopic investigation of branched silver nanowires and nanomeshworks. Nanoscale Research Letters, 2012, 7, 596.	5.7	15
21	Self-Assembly of Large-Scale and Ultrathin Silver Nanoplate Films with Tunable Plasmon Resonance Properties. ACS Nano, 2011, 5, 9082-9092.	14.6	180
22	Tunable Microring Resonator Based on Dielectric-Loaded Surface Plasmon Polariton Waveguides. Journal of Nanoscience and Nanotechnology, 2011, 11, 10520-10524.	0.9	12
23	Subwavelength plasmonic waveguides based on ZnO nanowires and nanotubes: A theoretical study of thermo-optical properties. Applied Physics Letters, 2010, 96, .	3.3	27
24	Numerical Analysis of Deep sub-wavelength integrated plasmonic devices based on Semiconductor-Insulator-Metal strip waveguides. Optics Express, 2010, 18, 18945.	3.4	87
25	Low-loss planar optical waveguides fabricated from polycarbonate. Polymer Engineering and Science, 2009, 49, 2015-2019.	3.1	18