

Li Xin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

415
citations

840585

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h-index

752573

20
g-index

25
all docs

25
docs citations

25
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	A self-powered ultraviolet detector based on a single ZnO microwire/p-Si film with double heterojunctions. <i>Nanoscale</i> , 2014, 6, 6025-6029.	2.8	55
2	High Performance Indium-Doped ZnO Gas Sensor. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	54
3	Electrical breakdown of ZnO nanowires in metal-semiconductor-metal structure. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	34
4	Saturated blue-violet electroluminescence from single ZnO micro/nanowire and p-GaN film hybrid light-emitting diodes. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	29
5	Bias-tunable dual-mode ultraviolet photodetectors for photoelectric tachometer. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	29
6	High-performance ultra-violet phototransistors based on CVT-grown high quality SnS ₂ flakes. <i>Nanoscale Advances</i> , 2019, 1, 3973-3979.	2.2	29
7	2D semiconductors towards high-performance ultraviolet photodetection. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 303002.	1.3	22
8	Electrically pumped lasing from single ZnO micro/nanowire and poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) hybrid heterostructures. <i>Applied Physics Letters</i> , 2012, 101, 043119.	1.5	21
9	Enhancing sensitivity of force sensor based on a ZnO tetrapod by piezo-phototronic effect. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	19
10	Preparation of multifunctional PLZT nanowires and their applications in piezocatalysis and transparent flexible films. <i>Journal of Alloys and Compounds</i> , 2019, 811, 152063.	2.8	15
11	Temperature-dependent electron transport in ZnO micro/nanowires. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	13
12	Novel and dual-mode strain-detecting performance based on a layered NiO/ZnO p-n junction for flexible electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1466-1474.	2.7	12
13	Local irradiation effects of one-dimensional ZnO based self-powered asymmetric Schottky barrier UV photodetector. <i>Materials Chemistry and Physics</i> , 2015, 166, 116-121.	2.0	11
14	Diameter-dependent internal gain in ZnO micro/nanowires under electron beam irradiation. <i>Nanoscale</i> , 2011, 3, 3060.	2.8	10
15	Performance-enhancing ultraviolet photodetectors established on individual In ₂ O ₃ nanowires via coating a CuO layer. <i>Materials Research Express</i> , 2017, 4, 045018.	0.8	9
16	In situ physical examination of Bi ₂ S ₃ nanowires with a microscope. <i>Journal of Alloys and Compounds</i> , 2019, 798, 628-634.	2.8	9
17	Negative differential resistance in ZnO nanowires induced by surface state modulation. <i>Materials Chemistry and Physics</i> , 2011, 131, 258-261.	2.0	8
18	Utilization of electron beam to modulate electron injection over Schottky barrier. <i>Current Applied Physics</i> , 2011, 11, 586-589.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Investigation of electron beam detection properties of ZnO nanowire based back-to-back double Schottky diode. RSC Advances, 2014, 4, 12743.	1.7	8
20	Output optimized electret nanogenerators for self-powered long-distance optical communication systems. Nanoscale, 2017, 9, 18529-18534.	2.8	6
21	Tuning electronic transport of ZnO micro/nanowires by a transverse electric field. Applied Physics Letters, 2011, 99, 063105.	1.5	5
22	Combined Field and Thermionic Emission Process in ZnO Nanostructure Cold Emission Cathode. Materials Science Forum, 2010, 654-656, 1138-1141.	0.3	3
23	Multi-zone light emission in a one-dimensional ZnO waveguide with hybrid structures. Optical Materials Express, 2011, 1, 173.	1.6	3
24	Electron irradiation effect on the Schottky gate of ZnO nanowires-based field effect transistors. Micro and Nano Letters, 2011, 6, 437.	0.6	3
25	Veritable electronic characteristics in ZnO nanowire circuits uncovered by the four-terminal method at a low temperature. AIP Advances, 2017, 7, 045015.	0.6	0