

Jing Liu

List of Publications by Year in descending order

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50
papers

426
citations

933447

10
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794594

19
g-index

51
all docs

51
docs citations

51
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated microcircuit on a diamond anvil for high-pressure electrical resistivity measurement. Applied Physics Letters, 2005, 86, 064104.	3.3	76
2	Fabrication and reflection properties of silicon nanopillars by cesium chloride self-assembly and dry etching. Applied Surface Science, 2012, 258, 8825-8830.	6.1	37
3	Fabrication of micro-nano surface texture by CsCl lithography with antireflection and photoelectronic properties for solar cells. Solar Energy Materials and Solar Cells, 2013, 108, 93-97.	6.2	36
4	New diamond anvil cell system for in situ resistance measurement under extreme conditions. Review of Scientific Instruments, 2006, 77, 123902.	1.3	28
5	Realization of radial p-n junction silicon nanowire solar cell based on low-temperature and shallow phosphorus doping. Nanoscale Research Letters, 2013, 8, 544.	5.7	23
6	Fabrication and photosensitivity of CdS photoresistor on silica nanopillars substrate. Materials Science in Semiconductor Processing, 2016, 56, 217-221.	4.0	23
7	Fabrication and properties of ZnO nanorods on silicon nanopillar surface for gas sensor application. Journal of Materials Science: Materials in Electronics, 2019, 30, 11404-11411.	2.2	18
8	Fabrication of silicon nanopillar arrays by cesium chloride self-assembly and wet electrochemical etching for solar cell. Applied Surface Science, 2014, 289, 300-305.	6.1	13
9	Fabrication of inverted pyramid structure by Cesium Chloride self-assembly lithography for silicon solar cell. Materials Science in Semiconductor Processing, 2015, 40, 44-49.	4.0	12
10	Design and property study of micro-slot optics. Optics Communications, 2017, 386, 14-21.	2.1	11
11	Preparation of CdS nanorods on silicon nanopillars surface by hydrothermal method. Materials Research Bulletin, 2019, 120, 110591.	5.2	11
12	Fabrication and Photovoltaic Properties of Silicon Solar Cells with Different Diameters and Heights of Nanopillars. Energy Technology, 2013, 1, 139-143.	3.8	9
13	Fabrication of tree-like CdS nanorods-Si pillars structure for photosensitive application. Journal of Materials Science: Materials in Electronics, 2020, 31, 11862-11869.	2.2	9
14	Fabrication and antireflection properties of solar cells with pyramid-like nanohole texture by cesium chloride lithography. Journal Physics D: Applied Physics, 2013, 46, 375302.	2.8	8
15	Fabrication of micro pore optics with smooth sidewall using X-ray lithography. Microsystem Technologies, 2014, 20, 2005-2010.	2.0	8
16	Sub-500-nm hard x ray focusing by compound long kinoform lenses. Applied Optics, 2016, 55, 38.	2.1	7
17	Fabrication and photovoltaic effect of ZnO/silicon nanopillars heterojunction solar cell. Microsystem Technologies, 2018, 24, 1919-1923.	2.0	7
18	The performances of silicon solar cell with core-shell p-n junctions of micro-nano pillars fabricated by cesium chloride self-assembly and dry etching. Applied Physics A: Materials Science and Processing, 2014, 114, 1175-1179.	2.3	6

#	ARTICLE	IF	CITATIONS
19	The performance of silicon solar cell with selective pillars fabricated by Cesium Chloride self-assembly lithography and UV-lithography. <i>Solar Energy</i> , 2014, 105, 274-279.	6.1	6
20	Large-aperture prism-array lens for high-energy X-ray focusing. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1091-1096.	2.4	6
21	Fabrication of the ZnO nanowires/TiO ₂ nanowires/Si micropillars structures for the gas sensor application. <i>Sensors and Actuators A: Physical</i> , 2022, 345, 113665.	4.1	6
22	Multiform structures with silicon nanopillars by cesium chloride self-assembly and dry etching. <i>Applied Surface Science</i> , 2011, 257, 10489-10493.	6.1	5
23	Fabrication and Photovoltaic Effect of CdS/Silicon Nanopillars Heterojunction Solar Cell. <i>ChemistrySelect</i> , 2016, 1, 4901-4905.	1.5	5
24	Fabrication and Photosensitivity of CdS/Silicon Nanoscrew Photoresistor. <i>ChemistrySelect</i> , 2017, 2, 8577-8582.	1.5	5
25	Fabrication and properties of micro-nano structure based heterojunction solar cell and photoresistor. <i>Materials Research Express</i> , 2019, 6, 075024.	1.6	5
26	Fabrication of CdS Nanorods on Si Pyramid Surface for Photosensitive Application. <i>ACS Omega</i> , 2020, 5, 11695-11700.	3.5	5
27	Fabrication of silicon nanotip arrays with high aspect ratio by cesium chloride self-assembly and dry etching. <i>AIP Advances</i> , 2014, 4, 031335.	1.3	4
28	Sidewall smoothing of micro-pore optics by ion beam etching. <i>Surface and Coatings Technology</i> , 2015, 278, 127-131.	4.8	4
29	Gas sensor based on ZnO film/silica pillars. <i>Materials Research Express</i> , 2016, 3, 125701.	1.6	4
30	Fabrication of high energy X-ray compound kinoform lenses using X-ray lithography. <i>Microsystem Technologies</i> , 2017, 23, 1553-1562.	2.0	4
31	Fabrication of micro-slot optics on curved substrate by X-ray lithography and electroplating. <i>Microsystem Technologies</i> , 2021, 27, 1895-1900.	2.0	4
32	A method to fabricate high-aspect-ratio microstructures using PMMA photoresist. <i>Microsystem Technologies</i> , 2018, 24, 1223-1226.	2.0	3
33	Fabrication and photosensitivity of ZnO/CdS/silica nanopillars based photoresistor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11326-11333.	2.2	3
34	The Fabrication and Photoelectric Properties of the Nanopillar Arrays for Solar Cell. <i>Materials Science Forum</i> , 0, 694, 375-379.	0.3	2
35	Fabrication and Photovoltaic Characteristics of Silicon Nanoscrew and Nanohole Based Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 236-240.	0.9	2
36	Overcoming the Problem of Electrical Contact to Solar Cells Fabricated using Selective Area Silicon Nanopillars by Cesium Chloride Self-Assembly Lithography as Antireflective Layer. <i>Energy Technology</i> , 2016, 4, 298-303.	3.8	2

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37	Fabrication of absorption gratings with X-ray lithography for X-ray phase contrast imaging. International Journal of Modern Physics B, 2018, 32, 1850163.	2.0	2
38	The Influence of Silicon Nanopillars Structure as the Substrate on the SnO ₂ -Based Gas Sensor. ChemistrySelect, 2021, 6, 3982-3987.	1.5	2
39	Study of Pt growth on Si, Al ₂ O ₃ , Au, and Ni surfaces by plasma enhanced atomic layer deposition. Journal of Applied Physics, 2021, 130, 105305.	2.5	2
40	ZnO Nanowires/CdS Nanorods Structure Grown on Silica Micropillars Array for Photosensitive Application. Electronic Materials Letters, 2021, 17, 507-512.	2.2	1
41	Fabrication of TiO ₂ nanorods on Si pillars surface for photosensitive application. Journal of Materials Science: Materials in Electronics, 2022, 33, 8171-8178.	2.2	1
42	Fabrication of ZnS layer on silicon nanopillars surface for photoresistor application. Chemical Physics Letters, 2022, 801, 139716.	2.6	1
43	The Fabrication of Silicon Nanopin with CsCl Nanoislands and Dry Etching for Field Emission. Key Engineering Materials, 2013, 562-565, 1224-1228.	0.4	0
44	Photoelectric characteristics of silicon P ⁺ N junction with nanopillar texture: Analysis of X-ray photoelectron spectroscopy. Chinese Physics B, 2014, 23, 096101.	1.4	0
45	The Silicon Solar Cell with Selective Nanoscrew Pillars Fabricated by Cesium Chloride Self-Assembly Lithography and Dry Etching. Journal of Nanoscience and Nanotechnology, 2016, 16, 7515-7520.	0.9	0
46	Influence of the bridges on prism-array lens focusing for high energy X-rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 910, 115-120.	1.6	0
47	Fabrication of microelectrodes on diamond anvil for the resistance measurement in high pressure experiment. Microsystem Technologies, 2018, 24, 3193-3199.	2.0	0
48	The property research of the transmission sinusoidal grating with fabrication of LIGA process. Optoelectronics Letters, 2019, 15, 335-338.	0.8	0
49	Fabrication and Field Emission Property of Ordered Silicon Nanotip Array Based on Controllable Self-Assembly of Cesium Chloride. Journal of Nanoscience and Nanotechnology, 2016, 16, 7715-7719.	0.9	0
50	Nanopillars on Unpolished Substrates and Their Application in Large-Area Solar Cells. Journal of Nanoscience and Nanotechnology, 2017, 17, 1202-1208.	0.9	0