

Shuanglong Feng

List of Publications by Year in descending order

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33
papers

634
citations

567281

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all docs

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docs citations

33
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance Schottky heterojunction photodetector with directly grown graphene nanowalls as electrodes. <i>Nanoscale</i> , 2017, 9, 6020-6025.	5.6	77
2	Catalyst-Free, Selective Growth of ZnO Nanowires on SiO ₂ by Chemical Vapor Deposition for Transfer-Free Fabrication of UV Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20264-20271.	8.0	69
3	Enhancement of the Photoresponse of Monolayer MoS ₂ Photodetectors Induced by a Nanoparticle Grating. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8429-8436.	8.0	57
4	Facile Synthesis of LaCoO ₃ with a High Oxygen Vacancy Concentration by the Plasma Etching Technique for High-Performance Oxygen Ion Intercalation Pseudocapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 300-308.	5.1	54
5	Ultrafast growth of large-area monolayer MoS ₂ film via gold foil assistant CVD for a highly sensitive photodetector. <i>Nanotechnology</i> , 2017, 28, 275203.	2.6	47
6	MXene-Enhanced Deep Ultraviolet Photovoltaic Performances of Crossed Zn ₂ GeO ₄ Nanowires. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4764-4771.	3.1	32
7	Light Trapping in Conformal Graphene/Silicon Nanoholes for High-Performance Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30421-30429.	8.0	25
8	Synthesis of ternary oxide Zn ₂ GeO ₄ nanowire networks and their deep ultraviolet detection properties. <i>RSC Advances</i> , 2019, 9, 1394-1402.	3.6	24
9	Direct growth of vertical structure MoS ₂ nanosheets array film via CVD method for photodetection. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 117, 113592.	2.7	18
10	Interface Engineering of a Silicon/Graphene Heterojunction Photodetector via a Diamond-Like Carbon Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4692-4702.	8.0	18
11	Porous structure diamond films with super-hydrophilic performance. <i>Diamond and Related Materials</i> , 2015, 56, 36-41.	3.9	17
12	Electrochemical Epitaxial Grown PbS Nanorods Array on Graphene Film for High-Performance Photodetector. <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	17
13	Vertical Few-Layer WSe ₂ Nanosheets for NO ₂ Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 12043-12050.	5.0	16
14	Anomalous temperature coefficient of resistance in graphene nanowalls/polymer films and applications in infrared photodetectors. <i>Nanophotonics</i> , 2018, 7, 883-892.	6.0	15
15	Nanodiamond enhanced ZnO nanowire based UV photodetector with a high photoresponse performance. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 104, 314-319.	2.7	15
16	Facile synthesis of Ga ₂ O ₃ nanowires network for solar-blind ultraviolet photodetector. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 175106.	2.8	15
17	Hierarchical lead grid for highly stable oxygen evolution in acidic water at high temperature. <i>Journal of Power Sources</i> , 2021, 493, 229635.	7.8	15
18	Catalyst-free growth of a Zn ₂ GeO ₄ nanowire network for high-performance transfer-free solar-blind deep UV detection. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 107, 1-4.	2.7	13

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19	A High Performance Solar-Blind Detector Based on Mixed-Phase Zn _{0.45} Mg _{0.55} O Alloy Nanowires Network. <i>Electronic Materials Letters</i> , 2019, 15, 303-313.	2.2	12
20	Self-catalyst $\text{In}_2\text{Ga}_2\text{O}_3$ semiconductor lateral nanowire networks synthesis on the insulating substrate for deep ultraviolet photodetectors. <i>RSC Advances</i> , 2021, 11, 28326-28331.	3.6	11
21	Ultrafast LIV response detectors based on multi-channel ZnO nanowire networks. <i>RSC Advances</i> , 2015, 5, 105288-105291.	3.6	10
22	Hybrid graphene heterojunction photodetector with high infrared responsivity through barrier tailoring. <i>Nanotechnology</i> , 2019, 30, 195202.	2.6	8
23	Hybrid structure of PbS QDs and vertically-few-layer MoS ₂ nanosheets array for broadband photodetector. <i>Nanotechnology</i> , 2021, 32, 145602.	2.6	8
24	Electrochemical epitaxial (200) PbSe submicron-plates on single-layer graphene for an ultrafast infrared response. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6536-6543.	5.5	8
25	Microwave plasma assisted reduction synthesis of hexagonal cobalt nanosheets with enhanced electromagnetic performances. <i>Nanotechnology</i> , 2019, 30, 495601.	2.6	7
26	Dual-Color Photodetection Based on Speed-Differentiated Photoresponse with High Photogain. <i>ACS Photonics</i> , 2021, 8, 1027-1033.	6.6	7
27	High zero-bias responsivity induced by photogating effect in asymmetric device structure. <i>Optical Materials</i> , 2022, 124, 112013.	3.6	5
28	TiO _{2-x} films for bolometer applications: recent progress and perspectives. <i>Materials Research Express</i> , 0, , .	1.6	5
29	Improved hydrogen evolution at high temperature using an electro-thermal method. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 185302.	2.8	3
30	Sulfide-Inhibiting Growth of Lead Sulfide Rods Array Film from Micron to Nano for NIR Photodetector. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	1.8	3
31	Towards high-performance transistors and photodetectors with monolayer graphene through modified transfer and lithography process. <i>Materials Express</i> , 2017, 7, 230-236.	0.5	2
32	Dynamically Induced Large-Scale, Selective, and Vertical Structure Growth of MoS ₂ Nanosheets. <i>Advanced Engineering Materials</i> , 2022, 24, 2101105.	3.5	1
33	High-efficiency photoreduction of CO ₂ in low vacuum. <i>Physical Chemistry Chemical Physics</i> , 0, , .	2.8	0