Shuanglong Feng

List of Publications by Year
in descending order

33 papers	634 citations	567281 15 h-index	610901 24 g-index
33 all docs	33 docs citations	33 times ranked	861 citing authors

#	Article	IF	Citations
1	Dynamically Induced Largeâ€Scale, Selective, and Vertical Structure Growth of MoS₂ Nanosheets. Advanced Engineering Materials, 2022, 24, 2101105.	3.5	1
2	High zero-bias responsivity induced by photogating effect in asymmetric device structure. Optical Materials, 2022, 124, 112013.	3.6	5
3	Sulfideâ€Inhibiting Growth of Lead Sulfide Rods Array Film from Micron to Nano for NIR Photodetector. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	3
4	Electrochemical Epitaxial Grown PbS Nanorods Array on Graphene Film for Highâ€Performance Photodetector. Advanced Materials Interfaces, 2021, 8, .	3.7	17
5	Self-catalyst Î²-Ga₂O₃ semiconductor lateral nanowire networks synthesis on the insulating substrate for deep ultraviolet photodetectors. RSC Advances, 2021, 11, 28326-28331.	3.6	11
6	Hybrid structure of PbS QDs and vertically-few-layer MoS₂ nanosheets array for broadband photodetector. Nanotechnology, 2021, 32, 145602.	2.6	8
7	Electrochemical epitaxial (200) PbSe submicron-plates on single-layer graphene for an ultrafast infrared response. Journal of Materials Chemistry C, 2021, 9, 6536-6543.	5.5	8
8	Facile synthesis of Î²â€“Ga₂O₃ nanowires network for solar-blind ultraviolet photodetector. Journal Physics D: Applied Physics, 2021, 54, 175106.	2.8	15
9	Dual-Color Photodetection Based on Speed-Differentiated Photoresponse with High Photogain. ACS Photonics, 2021, 8, 1027-1033.	6.6	7
10	Hierarchical lead grid for highly stable oxygen evolution in acidic water at high temperature. Journal of Power Sources, 2021, 493, 229635.	7.8	15
11	Interface Engineering of a Silicon/Graphene Heterojunction Photodetector via a Diamond-Like Carbon Interlayer. ACS Applied Materials & Interfaces, 2021, 13, 4692-4702.	8.0	18
12	Vertical Few-Layer WSe₂ Nanosheets for NO₂ Sensing. ACS Applied Nano Materials, 2021, 4, 12043-12050.	5.0	16
13	Direct growth of vertical structure MoS2 nanosheets array film via CVD method for photodetection. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113592.	2.7	18
14	Facile Synthesis of LaCoO₃ with a High Oxygen Vacancy Concentration by the Plasma Etching Technique for High-Performance Oxygen Ion Intercalation Pseudocapacitors. ACS Applied Energy Materials, 2020, 3, 300-308.	5.1	54
15	Improved hydrogen evolution at high temperature using an electro-thermal method. Journal Physics D: Applied Physics, 2020, 53, 185302.	2.8	3
16	Enhancement of the Photoresponse of Monolayer MoS₂ Photodetectors Induced by a Nanoparticle Grating. ACS Applied Materials & Interfaces, 2020, 12, 8429-8436.	8.0	57
17	MXene-Enhanced Deep Ultraviolet Photovoltaic Performances of Crossed Zn₂GeO₄ Nanowires. Journal of Physical Chemistry C, 2020, 124, 4764-4771.	3.1	32
18	Light Trapping in Conformal Graphene/Silicon Nanoholes for High-Performance Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 30421-30429.	8.0	25

#	Article	IF	Citations
19	Synthesis of ternary oxide Zn₂GeO₄ nanowire networks and their deep ultraviolet detection properties. RSC Advances, 2019, 9, 1394-1402.	3.6	24
20	Microwave plasma assisted reduction synthesis of hexagonal cobalt nanosheets with enhanced electromagnetic performances. Nanotechnology, 2019, 30, 495601.	2.6	7
21	A High Performance Solar-Blind Detector Based on Mixedâ€“Phase Zn0.45Mg0.55O Alloy Nanowires Network. Electronic Materials Letters, 2019, 15, 303-313.	2.2	12
22	Catalyst-free growth of a Zn2GeO4 nanowire network for high-performance transfer-free solar-blind deep UV detection. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 107, 1-4.	2.7	13
23	Hybrid graphene heterojunction photodetector with high infrared responsivity through barrier tailoring. Nanotechnology, 2019, 30, 195202.	2.6	8
24	Anomalous temperature coefficient of resistance in graphene nanowalls/polymer films and applications in infrared photodetectors. Nanophotonics, 2018, 7, 883-892.	6.0	15
25	Nanodiamond enhanced ZnO nanowire based UV photodetector with a high photoresponse performance. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 314-319.	2.7	15
26	Ultrafast growth of large-area monolayer MoS₂film via gold foil assistant CVD for a highly sensitive photodetector. Nanotechnology, 2017, 28, 275203.	2.6	47
27	High-performance Schottky heterojunction photodetector with directly grown graphene nanowalls as electrodes. Nanoscale, 2017, 9, 6020-6025.	5.6	77
28	Towards high-performance transistors and photodetectors with monolayer graphene through modified transfer and lithography process. Materials Express, 2017, 7, 230-236.	0.5	2
29	Porous structure diamond films with super-hydrophilic performance. Diamond and Related Materials, 2015, 56, 36-41.	3.9	17
30	Catalyst-Free, Selective Growth of ZnO Nanowires on SiO₂ by Chemical Vapor Deposition for Transfer-Free Fabrication of UV Photodetectors. ACS Applied Materials & Interfaces, 2015, 7, 20264-20271.	8.0	69
31	Ultrafast UV response detectors based on multi-channel ZnO nanowire networks. RSC Advances, 2015, 5, 105288-105291.	3.6	10
32	TiO_{2-x} films for bolometer applications: recent progress and perspectives. Materials Research Express, 0, , .	1.6	5
33	Highâ€“efficiency photoreduction of CO2 in low vacuum. Physical Chemistry Chemical Physics, 0, , .	2.8	0