

Shasha Lv

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

686
citations

687220

13
h-index

580701

25
g-index

27
all docs

27
docs citations

27
times ranked

1143
citing authors

#	ARTICLE	IF	CITATIONS
1	Operando monitoring the lithium spatial distribution of lithium metal anodes. Nature Communications, 2018, 9, 2152.	5.8	96
2	Enhanced visible light photocatalytic performance of ZnO nanowires integrated with CdS and Ag ₂ S. Dalton Transactions, 2016, 45, 3750-3758.	1.6	88
3	ZnO nanorod/porous silicon nanowire hybrid structures as highly-sensitive NO ₂ gas sensors at room temperature. Physical Chemistry Chemical Physics, 2016, 18, 4835-4841.	1.3	69
4	Vertically aligned MoS ₂ /ZnO nanowires nanostructures with highly enhanced NO ₂ sensing activities. Applied Surface Science, 2018, 456, 808-816.	3.1	61
5	Progress and perspective of the cathode/electrolyte interface construction in all-solid-state lithium batteries. , 2021, 3, 866-894.		59
6	Highly enhanced response of MoS ₂ /porous silicon nanowire heterojunctions to NO ₂ at room temperature. RSC Advances, 2018, 8, 11070-11077.	1.7	53
7	Optimizing Field Emission Properties of the Hybrid Structures of Graphene Stretched on Patterned and Size-controllable SiNWs. Scientific Reports, 2015, 5, 15035.	1.6	41
8	Enhanced field-emission of silver nanoparticle-graphene oxide decorated ZnO nanowire arrays. Physical Chemistry Chemical Physics, 2015, 17, 31822-31829.	1.3	30
9	Enhanced Field Emission Performance of Hierarchical ZnO/Si Nanotrees with Spatially Branched Heteroassemblies. ACS Applied Materials & Interfaces, 2015, 7, 13564-13568.	4.0	29
10	Facile and Green Strategy for Designing Ultralight, Flexible, and Multifunctional PVA Nanofiber-Based Aerogels. Advanced Sustainable Systems, 2020, 4, 1900141.	2.7	29
11	Optical absorption and photoluminescence of Ag interlayer modulated ZnO film in view of their application in Si solar cells. Ceramics International, 2016, 42, 2813-2820.	2.3	18
12	Aqueous Phase Synthesis and Enhanced Field Emission Properties of ZnO-Sulfide Heterojunction Nanowires. Scientific Reports, 2016, 6, 29470.	1.6	16
13	High performance sandwich structured Si thin film anodes with LiPON coating. Frontiers of Materials Science, 2018, 12, 147-155.	1.1	16
14	Well-aligned NiSi/Si heterostructured nanowire arrays as field emitters. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, .	0.6	15
15	Tunable field emission properties of well-aligned silicon nanowires with controlled aspect ratio and proximity. RSC Advances, 2014, 4, 31729-31734.	1.7	13
16	Enhanced field emission properties of ZnO@Ag ₂ S core-shell heterojunction nanowires. Dalton Transactions, 2016, 45, 8777-8782.	1.6	13
17	Effect of Xe ion irradiation on photocatalytic performance of oblique TiO ₂ nanowire arrays. Applied Surface Science, 2015, 327, 478-482.	3.1	11
18	Evaluation of the passivation effect and the first-principles calculation on surface termination of germanium detector. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Nitrogen ion irradiation effect on enhancing photocatalytic performance of CdTe/ZnO heterostructures. <i>Frontiers of Materials Science</i> , 2018, 12, 392-404.	1.1	4
20	Effect of nitrogen ion irradiation treatment to the enhancement of ZnO photocatalytic performance. <i>Surface and Interface Analysis</i> , 2020, 52, 348-354.	0.8	4
21	First principles study on the cadmium adsorption behaviour of MoS ₂ with structural defects and doping. <i>Solid State Communications</i> , 2022, 342, 114611.	0.9	4
22	The structure evolution in neutron-Irradiated nuclear graphite and post-annealing. <i>Radiation Physics and Chemistry</i> , 2022, 197, 110156.	1.4	4
23	The Wigner energy and defects evolution of graphite in neutron-irradiation and annealing. <i>Radiation Physics and Chemistry</i> , 2022, 201, 110401.	1.4	3
24	Microstructure Characterization and Small Punch Test Analysis in Nickel-Based Alloy 617 by High Energy Neon Implantation. <i>Metals</i> , 2022, 12, 438.	1.0	2
25	Surface metallization of PTFE and PTFE composites by ion implantation for low-background electronic substrates in rare-event detection experiments. <i>Nuclear Science and Techniques/Hewuli</i> , 2022, 33, .	1.3	2
26	Neutron Depth Profiling Study on ⁶ Lithium and ¹⁰ Boron Contents of Nuclear Graphite. <i>Journal of Nuclear Science and Technology</i> , 2021, 58, 1018-1024.	0.7	1
27	Helium behavior and vacancy defect evolution in nickel base alloy by helium ion beam irradiation and annealing. <i>Surface and Interface Analysis</i> , 0, , .	0.8	0