

Yan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

180
citations

1040056

9
h-index

1125743

13
g-index

22
all docs

22
docs citations

22
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-assisted synthesis of Au aerogel with high-index facets for ethanol oxidation. <i>Nanotechnology</i> , 2022, 33, 225404.	2.6	6
2	Laser-Assisted Synthesis of Pd Aerogel with Compressive Strain for Boosting Formate and Ethanol Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7837-7845.	6.7	14
3	Optimization of butt welding of zinc-coated thin sheets with oscillating fiber laser beams: weld formation, microstructure, and mechanical properties. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1711-1723.	2.5	2
4	Improving Optical and Electrical Properties of GaN Epitaxial Wafers and Enhancing Luminescent Properties of GaN-Based Light-Emitting-Diode with Excimer Laser Irradiation. <i>Symmetry</i> , 2021, 13, 1935.	2.2	1
5	Preparation and Electrocatalysis Application of Pure Metallic Aerogel: A Review. <i>Catalysts</i> , 2020, 10, 1376.	3.5	13
6	Effect of Ag loading position on the photocatalytic performance of TiO ₂ nanocolumn arrays. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 717-728.	2.8	4
7	Facile and efficient preparation of high-quality black phosphorus quantum dot films for sensing applications. <i>RSC Advances</i> , 2020, 10, 13379-13385.	3.6	2
8	Ultrathin alumina membranes for the fabrication of blackberry-like gold nanostructure arrays. <i>Journal of Materials Science</i> , 2018, 53, 16122-16131.	3.7	4
9	Surface and shape unification of excimer pulse irradiated Ag nanoparticles and associated surface-enhanced Raman scattering properties. <i>Journal of Laser Applications</i> , 2017, 29, 022006.	1.7	1
10	A novel ultra-thin-walled ZnO microtube cavity supporting multiple optical modes for bluish-violet photoluminescence, low-threshold ultraviolet lasing and microfluidic photodegradation. <i>NPG Asia Materials</i> , 2017, 9, e442-e442.	7.9	33
11	Microlens beam homogenizer for excimer laser processing. <i>Journal of Laser Applications</i> , 2016, 28, 022601.	1.7	11
12	980-nm Q-switched photonic crystal fiber laser by MoS ₂ saturable absorber. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	12
13	Periodic array of regular Ag nanoparticle trimers: a reliable polarization-independent surface-enhanced Raman spectroscopy substrate. <i>RSC Advances</i> , 2016, 6, 83273-83279.	3.6	8
14	Quantum-size-effect accommodation of gold clusters with altered fluorescence of dyes. <i>RSC Advances</i> , 2015, 5, 30610-30616.	3.6	13
15	Silver nano-dendritic crystal film: a rapid dehydration SERS substrate of totally new concept. <i>RSC Advances</i> , 2015, 5, 4578-4585.	3.6	11
16	ZnO thin films prepared on titanium substrate by PLD technique at different substrate temperatures. <i>Surface and Interface Analysis</i> , 2014, 46, 602-606.	1.8	5
17	Ultraviolet pulsed laser interference lithography and application of periodic structured Ag-nanoparticle films for surface-enhanced Raman spectroscopy. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	22
18	The superhydrophobic properties of ZrO ₂ induced by laser irradiation. <i>Surface and Interface Analysis</i> , 2012, 44, 1360-1363.	1.8	8

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19	Investigation of room temperature UV emission of ZnO films with different defect densities induced by laser irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 336-340.	3.9	9
20	Physical Properties and Structure Characteristics of Laser Prepared (Na _{0.5} K _{0.5})NbO ₃ -LiNbO ₃ Ceramics. <i>Ferroelectrics</i> , 2010, 400, 104-112.	0.6	1