

Fan Cao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

458
citations

840776

11
h-index

752698

20
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22
all docs

22
docs citations

22
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Supercapacitor Based on Porous N-doped Carbon Derived from Pomelo Peel and NiO Arrays. ACS Applied Materials & Interfaces, 2016, 8, 20822-20830.	8.0	106
2	Ultra-fast and highly selective room-temperature formaldehyde gas sensing of Pt-decorated MoO ₃ nanobelts. Journal of Alloys and Compounds, 2019, 797, 666-675.	5.5	88
3	In situ observation of the sodiation process in CuO nanowires. Chemical Communications, 2015, 51, 10443-10446.	4.1	44
4	Anelasticity of twinned CuO nanowires. Nano Research, 2015, 8, 3687-3693.	10.4	28
5	Twin structures in CuO nanowires. Journal of Applied Crystallography, 2016, 49, 462-467.	4.5	28
6	Rapid and Scalable Synthesis of MoS ₂ -Based Binary and Ternary Oxides for Electrochemical Applications. Advanced Functional Materials, 2017, 27, 1700928.	14.9	28
7	Direct atomic-scale observation of layer-by-layer oxide growth during magnesium oxidation. Applied Physics Letters, 2014, 104, .	3.3	24
8	Surface-Coating-Mediated Electrochemical Performance in CuO Nanowires during the Sodiation-Desodiation Cycling. Advanced Materials Interfaces, 2018, 5, 1701255.	3.7	22
9	Thermal-induced formation of domain structures in CuO nanomaterials. Physical Review Materials, 2017, 1, .	2.4	22
10	An Ultrasensitive and Ultraspecific Hydrogen Sensor Based on Defect-Dominated Electron Scattering in Pt Nanowire Arrays. Advanced Materials Interfaces, 2019, 6, 1801304.	3.7	13
11	All-Solid-State Supercapacitors Based on Flexible Co ₃ O ₄ Nanoflowers/rGO Nanocomposites. Journal of Electronic Materials, 2018, 47, 5987-5992.	2.2	12
12	Atomic-scale observation of a two-stage oxidation process in Cu ₂ O. Nano Research, 2017, 10, 2344-2350.	10.4	11
13	Novel Periodic Bilayer Au Nanostructures for Ultrasensitive Surface-Enhanced Raman Spectroscopy. Advanced Materials Interfaces, 2018, 5, 1800820.	3.7	7
14	Atomistic insight into ordered defect superstructures at novel grain boundaries in CuO nanosheets: From structures to electronic properties. Nano Research, 2019, 12, 1099-1104.	10.4	6
15	Atomistic and dynamic structural characterizations in low-dimensional materials: recent applications of in situ transmission electron microscopy. Microscopy (Oxford, England), 2019, 68, 423-433.	1.5	5
16	Controllable Elasticity Storage and Release in CuO~Pt Core-Shell Nanowires. ChemNanoMat, 2018, 4, 1140-1144.	2.8	4
17	Influence of Structural Parameters on the Surface Enhanced Raman Scattering of Au Nanoarrays. Journal of Nanoscience and Nanotechnology, 2019, 19, 5317-5322.	0.9	4
18	Fabrication of CuO~Pt core-shell nanohooks by in situ reconstructing the Pt-shells. Nanotechnology, 2018, 29, 215301.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Fabrication and Healing of Faceted Nanopores in Magnesium. <i>Microscopy and Microanalysis</i> , 2014, 20, 1640-1641.	0.4	2
20	Sodiation-Desodiation Cycling: Surface-Coating-Mediated Electrochemical Performance in CuO Nanowires during the Sodiation-Desodiation Cycling (<i>Adv. Mater. Interfaces</i> 4/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870016.	3.7	1
21	Modulating the Redox Equilibrium of Silver Using Electron Beams. <i>Microscopy and Microanalysis</i> , 2017, 23, 1682-1683.	0.4	0