Fan Cao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1137503/publications.pdf

Version: 2024-02-01

21	458	840776 11	752698 20
papers	citations	h-index	g-index

22	22	22	795
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra-fast and highly selective room-temperature formaldehyde gas sensing of Pt-decorated MoO3 nanobelts. Journal of Alloys and Compounds, 2019, 797, 666-675.	5.5	88
2	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
3	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
4	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
5	An Ultrasensitive and Ultraselective Hydrogen Sensor Based on Defectâ€Dominated Electron Scattering in Pt Nanowire Arrays. Advanced Materials Interfaces, 2019, 6, 1801304.	3.7	13
6	Sodiationâ€Desodiation Cycling: Surfaceâ€Coatingâ€Mediated Electrochemical Performance in CuO Nanowires during the Sodiationâ€“Desodiation Cycling (Adv. Mater. Interfaces 4/2018). Advanced Materials Interfaces, 2018, 5, 1870016.	3.7	1
7	Fabrication of CuOâ€“Pt coreâ€“shell nanohooks by in situ reconstructing the Pt-shells. Nanotechnology, 2018, 29, 215301.	2.6	3
8	Surfaceâ€Coatingâ€Mediated Electrochemical Performance in CuO Nanowires during the Sodiationâ€“Desodiation Cycling. Advanced Materials Interfaces, 2018, 5, 1701255.	3.7	22
9	Controllable Elasticity Storage and Release in CuOâ^Pt Coreâ€Shell Nanowires. ChemNanoMat, 2018, 4, 1140-1144.	2.8	4
10	All-Solid-State Supercapacitors Based on Flexible Co3O4 Nanoflowers/rGO Nanocomposites. Journal of Electronic Materials, 2018, 47, 5987-5992.	2.2	12
11	Novel Periodic Bilayer Au Nanostructures for Ultrasensitive Surfaceâ€Enhanced Raman Spectroscopy. Advanced Materials Interfaces, 2018, 5, 1800820.	3.7	7
12	Atomic-scale observation of a two-stage oxidation process in Cu2O. Nano Research, 2017, 10, 2344-2350.	10.4	11
13	Rapid and Scalable Synthesis of Moâ€Based Binary and Ternary Oxides for Electrochemical Applications. Advanced Functional Materials, 2017, 27, 1700928.	14.9	28
14	Modulating the Redox Equilibrium of Silver Using Electron Beams. Microscopy and Microanalysis, 2017, 23, 1682-1683.	0.4	0
15	Thermal-induced formation of domain structures in CuO nanomaterials. Physical Review Materials, 2017, 1, .	2.4	22
16	Twin structures in CuO nanowires. Journal of Applied Crystallography, 2016, 49, 462-467.	4.5	28
17	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
18	In situ observation of the sodiation process in CuO nanowires. Chemical Communications, 2015, 51, 10443-10446.	4.1	44

#	Article	IF	Citations
19	Anelasticity of twinned CuO nanowires. Nano Research, 2015, 8, 3687-3693.	10.4	28
20	Direct atomic-scale observation of layer-by-layer oxide growth during magnesium oxidation. Applied Physics Letters, 2014, 104, .	3.3	24
21	Fabrication and Healing of Faceted Nanopores in Magnesium. Microscopy and Microanalysis, 2014, 20, 1640-1641.	0.4	2