

Dong-Feng Zhang

List of Publications by Year in descending order

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34
papers

1,936
citations

304743

22
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

3374
citing authors

#	ARTICLE	IF	CITATIONS
1	Delicate control of crystallographic facet-oriented Cu ₂ O nanocrystals and the correlated adsorption ability. <i>Journal of Materials Chemistry</i> , 2009, 19, 5220.	6.7	411
2	Hierarchical Assembly of SnO ₂ Nanorod Arrays on Fe ₂ O ₃ Nanotubes: A Case of Interfacial Lattice Compatibility. <i>Journal of the American Chemical Society</i> , 2005, 127, 13492-13493.	13.7	212
3	Surface-enhanced Raman scattering spectra of adsorbates on Cu ₂ O nanospheres: charge-transfer and electromagnetic enhancement. <i>Nanoscale</i> , 2013, 5, 2784.	5.6	179
4	PtNiAu trimetallic nanoalloys enabled by a digestive-assisted process as highly efficient catalyst for hydrogen generation. <i>Nano Energy</i> , 2016, 23, 145-152.	16.0	88
5	Attachment-Driven Morphology Evolvement of Rectangular ZnO Nanowires. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8786-8790.	2.6	85
6	Size-controllable one-dimensional SnO ₂ nanocrystals: synthesis, growth mechanism, and gas sensing property. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4874.	2.8	85
7	Differential Oxidative Stress of Octahedral and Cubic Cu ₂ O Micro/Nanocrystals to <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2012, 46, 10255-10262.	10.0	85
8	Hierarchical Construction of ZnO Architectures Promoted by Heterogeneous Nucleation. <i>Crystal Growth and Design</i> , 2008, 8, 3609-3615.	3.0	81
9	Stoichiometry-Controlled Fabrication of Cu ₂ S Hollow Structures With Cu ₂ O as Sacrificial Templates. <i>Crystal Growth and Design</i> , 2011, 11, 3748-3753.	3.0	76
10	A Facile Top-Down Etching To Create a Cu ₂ O Jagged Polyhedron Covered with Numerous {110} Edges and {111} Corners with Enhanced Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2012, 18, 14261-14266.	3.3	67
11	Phase-segregated Pt-Ni chain-like nano hybrids with high electrocatalytic activity towards methanol oxidation reaction. <i>Nanoscale</i> , 2014, 6, 4635-4641.	5.6	60
12	CuCl-intermediated construction of short-range-ordered Cu ₂ O mesoporous spheres with excellent adsorption performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 856-861.	6.7	59
13	Branched Gold Nanochains Facilitated by Polyvinylpyrrolidone and their SERS Effects on <i>p</i> -Aminothiophenol. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16011-16016.	3.1	51
14	Structure Design Reveals the Role of Au for ORR Catalytic Performance Optimization in PtCo-Based Catalysts. <i>Advanced Functional Materials</i> , 2020, 30, 2001575.	14.9	50
15	Bioaccumulation and biomarker responses of cubic and octahedral Cu ₂ O micro/nanocrystals in <i>Daphnia magna</i> . <i>Water Research</i> , 2012, 46, 5981-5988.	11.3	44
16	Ultralong PtNi alloy nanowires enabled by the coordination effect with superior ORR durability. <i>RSC Advances</i> , 2016, 6, 71501-71506.	3.6	37
17	Recrystallization-Induced Self-Assembly for the Growth of Cu ₂ O Superstructures. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11514-11518.	13.8	35
18	PtAuCo Trimetallic Nanoalloys as Highly Efficient Catalysts toward Dehydrogenation of Ammonia Borane. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3734-3742.	6.7	35

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19	Direct observation of $\text{p,p}'$ -dimercaptoazobenzene produced from p -aminothiophenol and p -nitrothiophenol on Cu_2O nanoparticles by surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 7-14.	2.5	24
20	Concave Pt-Cu nanocuboctahedrons with high-index facets and improved electrocatalytic performance. <i>CrystEngComm</i> , 2016, 18, 3216-3222.	2.6	24
21	Optical properties of ZnO nanoplatelets and rectangular cross-sectioned nanowires. <i>Chemical Physics Letters</i> , 2006, 422, 46-50.	2.6	22
22	Self-assembly of gold nanoparticles into chain-like structures and their optical properties. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3923-3928.	1.9	22
23	Investigation of Structural and Magnetic Properties of CoPt/CoAu Bimetallic Nanochains by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6872-6879.	3.1	19
24	Cycling potential engineering surface configuration of sandwich Au@Ni@PtNiAu for superior catalytic durability. <i>Nano Energy</i> , 2018, 52, 22-28.	16.0	18
25	Low-Temperature Fabrication of Au-Co Cluster Mixed Nanohybrids With High Magnetic Moment of Co. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5643-5649.	8.0	13
26	Au Catalyzed Carbon Diffusion in Ni: A Case of Lattice Compatibility Stabilized Metastable Intermediates. <i>Advanced Functional Materials</i> , 2018, 28, 1706434.	14.9	11
27	From Pt-rich dendrites to Ni-rich cuboctahedrons: structural evolution and electrocatalytic property studies. <i>CrystEngComm</i> , 2014, 16, 5331-5337.	2.6	10
28	Cu ₂ S Hollow Spheres: Synthesis, Characterization and Magnetic Property. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1321-1325.	0.9	9
29	One-Pot Assembly of Cu_2O Chain-Like Hollow Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6332-6337.	0.9	7
30	Microscopic studies of a $\text{SnO}_2/\text{Fe}_2\text{O}_3$ architectural nanocomposite using Mössbauer spectroscopic and magnetic measurements. <i>Journal of Solid State Chemistry</i> , 2008, 181, 3283-3286.	2.9	4
31	Network-Like Platinum Nanosheets Enabled by a Calorific-Effect-Induced-Fusion Strategy for Enhanced Catalytic Hydrogenation Performance. <i>Frontiers in Chemistry</i> , 2021, 9, 818900.	3.6	4
32	Zn(II)-Doping Enhanced Photocatalytic Activity of Cu_2O Nanocrystals. <i>Science of Advanced Materials</i> , 2013, 5, 1633-1641.	0.7	3
33	Dynamical investigation of tunable magnetism in Au@Ni-carbide nanocrystals by a combined soft and hard X-ray absorption spectroscopy. <i>Nano Research</i> , 2022, 15, 4320-4326.	10.4	3
34	Carbon Diffusion: Au Catalyzed Carbon Diffusion in Ni: A Case of Lattice Compatibility Stabilized Metastable Intermediates (<i>Adv. Funct. Mater.</i> 21/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870138.	14.9	0