

Feng Yin

List of Publications by Year in descending order

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51
papers

1,761
citations

361413
20
h-index

265206
42
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51
all docs

51
docs citations

51
times ranked

2710
citing authors

#	ARTICLE	IF	CITATIONS
1	Ni ²⁺ -Directed Anisotropic Growth of PtCu Nested Skeleton Cubes Boosting Electroreduction of Oxygen. <i>Advanced Science</i> , 2022, 9, e2104927.	11.2	14
2	Tunable strain drives the activity enhancement for oxygen reduction reaction on Pd@Pt core-shell electrocatalysts. <i>Journal of Power Sources</i> , 2021, 485, 229340.	7.8	21
3	PtGd/Gd ₂ O ₃ alloy/metal oxide composite catalyst for methanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25782-25789.	7.1	14
4	Co/N-doped carbon nanotubes-grafted porous carbon sheets architecture as efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159566.	5.5	25
5	Rare Earth Gadolinium-Modified Platinum-Based Bimetallic Nanomaterial as a Cathodic Catalyst for the Oxygen Reduction Reaction. <i>Energy & Fuels</i> , 2021, 35, 14868-14875.	5.1	4
6	Optimized oxygen reduction activity by tuning shell component in Pd@Pt-based core-shell electrocatalysts. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 301-309.	9.4	4
7	Emerging uniform Cu ₂ O nanocubes for 251st harmonic ultrashort pulse generation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14386-14392.	5.5	57
8	The enhanced activity of Pt-Ce nanoalloy for oxygen electroreduction. <i>Scientific Reports</i> , 2020, 10, 14837.	3.3	26
9	Size control of Au nanoparticles from the scalable and solvent-free matrix assembly cluster source. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	27
10	Angular dependence of nanoparticle generation in the matrix assembly cluster source. <i>Nano Research</i> , 2019, 12, 3069-3074.	10.4	5
11	Fabrication of conductive graphene oxide-WO ₃ composite nanofibers by electrospinning and their enhanced acetone gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 128-138.	7.8	121
12	Crystal facet-dependent p-type and n-type sensing responses of TiO ₂ nanocrystals. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 557-567.	7.8	48
13	Hierarchical Bi ₂ WO ₆ architectures decorated with Pd nanoparticles for enhanced visible-light-driven photocatalytic activities. <i>Applied Surface Science</i> , 2017, 404, 282-290.	6.1	36
14	Abnormal p-type sensing response of TiO ₂ nanosheets with exposed {001} facets. <i>Journal of Alloys and Compounds</i> , 2017, 705, 112-117.	5.5	43
15	Synthesis of porous NiO-In ₂ O ₃ composite nanofibers by electrospinning and their highly enhanced gas sensing properties. <i>Journal of Alloys and Compounds</i> , 2017, 699, 567-574.	5.5	57
16	Note: Proof of principle of a new type of cluster beam source with potential for scale-up. <i>Review of Scientific Instruments</i> , 2016, 87, 046103.	1.3	56
17	The cluster beam route to model catalysts and beyond. <i>Faraday Discussions</i> , 2016, 188, 39-56.	3.2	39
18	Three-dimensionally Hierarchical Bi ₂ WO ₆ Architectures with Enhanced Photocatalytic Activity. <i>Nano</i> , 2016, 11, 1650135.	1.0	3

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19	Enhanced photocatalytic activity of flowerlike CuO@ZnO nanocomposites synthesized by one-step hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10667-10672.	2.2	16
20	Pt Diffusion Dynamics for the Formation of Pt Core-Shell Nanoparticles. <i>Langmuir</i> , 2015, 31, 6917-6923.	3.5	12
21	Real-space Wigner-Seitz Cells Imaging of Potassium on Graphite via Elastic Atomic Manipulation. <i>Scientific Reports</i> , 2015, 5, 8276.	3.3	8
22	Simple metal under tensile stress: layer-dependent herringbone reconstruction of thin potassium films on graphite. <i>Scientific Reports</i> , 2015, 5, 10165.	3.3	5
23	Non-covalent Immobilization of Desmoplakin Plakin Domain Molecules by Size-Selected Clusters for AFM Imaging. <i>BioNanoScience</i> , 2014, 4, 97-103.	3.5	0
24	Size-dependent propagation of Au nanoclusters through few-layer graphene. <i>Nanoscale</i> , 2014, 6, 1258-1263.	5.6	31
25	Enhanced Immobilization of Gold Nanoclusters on Graphite. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8182-8187.	2.5	9
26	Ageing of mass-selected Cu/Au and Au/Cu core/shell clusters probed with atomic resolution. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 703-710.	2.4	23
27	Formation of bimetallic nanoalloys by Au coating of size-selected Cu clusters. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	9
28	Towards nanostructured graphene through the deposition of size-selected clusters. , 2012, , .		0
29	Controlled Formation of Mass-Selected Cu@Au Core-Shell Cluster Beams. <i>Journal of the American Chemical Society</i> , 2011, 133, 10325-10327.	13.7	84
30	Communication: Suppression of sintering of size-selected Pd clusters under realistic reaction conditions for catalysis. <i>Journal of Chemical Physics</i> , 2011, 134, 141101.	3.0	25
31	Counting the Atoms in Supported, Monolayer-Protected Gold Clusters. <i>Journal of the American Chemical Society</i> , 2010, 132, 2854-2855.	13.7	56
32	Bright Beaches of Nanoscale Potassium Islands on Graphite in STM Imaging. <i>Physical Review Letters</i> , 2009, 102, 106102.	7.8	18
33	Critical stability of gold nanofingers on a zero-gradient stepped surface. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 445001.	1.8	2
34	The C60/Au(111) interface at room temperature: A scanning tunnelling microscopy study. <i>Surface Science</i> , 2008, 602, 885-892.	1.9	46
35	High-resolution detection of Au catalyst atoms in Si nanowires. <i>Nature Nanotechnology</i> , 2008, 3, 168-173.	31.5	575
36	Structures and optical properties of 4-5 nm bimetallic AgAu nanoparticles. <i>Faraday Discussions</i> , 2008, 138, 363-373.	3.2	103

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37	Faceting of nanoscale fingers on the (111) surface of gold. <i>Surface Science</i> , 2006, 600, 1504-1509.	1.9	19
38	Nanostructured Gold Surfaces Fabricated with the Scanning Tunnelling Microscope. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2053-2055.	1.5	7
39	Nanoscale surface recrystallization driven by localized electric field. <i>Physical Review B</i> , 2006, 73, .	3.2	19
40	High-Temperature Stability of Size-Selected Gold Nanoclusters Pinned on Graphite. <i>Advanced Materials</i> , 2005, 17, 731-734.	21.0	15
41	Beyond the Herringbone Reconstruction: Magic Gold Fingers. <i>Small</i> , 2004, 1, 76-79.	10.0	31
42	Liquid phase deposition of supramolecular monolayers of zinc porphyrin molecules on graphite. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S3127-S3138.	1.8	11
43	Effect of Chemical Treatment on TiO ₂ Particles by IMPS. <i>Chinese Journal of Chemistry</i> , 2002, 20, 978-982.	4.9	3
44	Studies on the interfacial charge transfer processes of nanocrystalline CdSe thin film electrodes by intensity modulated photocurrent spectroscopy. <i>Science in China Series B: Chemistry</i> , 2000, 43, 443-449.	0.8	4
45	Photoelectrochemical studies of H ₂ evolution in aqueous methanol solution photocatalysed by Q-ZnS particles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 125, 135-138.	3.9	7
46	Interfacial Charge Transfer Behaviors of Nanoparticulate CdSe Thin Film Electrodes. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999, 213, 1-7.	2.8	2
47	Enhancement of the photoluminescence intensity of porous silicon by absorbed organic molecule. <i>Science Bulletin</i> , 1998, 43, 616-616.	1.7	0
48	Effects of 9-cyanoanthracene and anthracene adsorption on the photoluminescence of porous silicon. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 112, 59-61.	3.9	2
49	Photoluminescence Enhancement of Porous Silicon by Organic Cyano Compounds. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7978-7982.	2.6	12
50	Photoluminescence Quenching of Porous Silicon by Molecule Adsorption. <i>Chinese Physics Letters</i> , 1998, 15, 756-757.	3.3	0
51	Investigation on the surface reactivity of luminescent porous silicon. <i>Applied Surface Science</i> , 1997, 119, 310-312.	6.1	7