

Jingxia Yang

List of Publications by Year in descending order

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59
papers

1,251
citations

331259

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433756

31
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docs citations

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times ranked

1595
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable synthesis of hexagonal and orthorhombic YFeO ₃ and their visible-light photocatalytic activities. <i>Materials Letters</i> , 2012, 81, 1-4.	1.3	81
2	RGO modified ZnAl-LDH as epoxy nanostructure filler: A novel synthetic approach to anticorrosive waterborne coating. <i>Surface and Coatings Technology</i> , 2017, 326, 207-215.	2.2	72
3	Anchoring nickel nanoparticles on three-dimensionally macro-/mesoporous titanium dioxide with a carbon layer from polydopamine using polymethylmethacrylate microspheres as sacrificial templates. <i>Materials Chemistry Frontiers</i> , 2019, 3, 224-232.	3.2	62
4	Fluorescence enhancement of cysteine-rich protein-templated gold nanoclusters using silver(I) ions and its sensing application for mercury(II). <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 342-350.	4.0	61
5	Spray-coated monodispersed SnO ₂ microsphere films as scaffold layers for efficient mesoscopic perovskite solar cells. <i>Journal of Power Sources</i> , 2020, 448, 227405.	4.0	58
6	High Surface Area Ceria for CO Oxidation Prepared from Cerium t-Butoxide by Combined Sol-Gel and Solvothermal Processing. <i>Catalysis Letters</i> , 2014, 144, 403-412.	1.4	40
7	Black SnO ₂ /TiO ₂ Nanocomposites with High Dispersion for Photocatalytic and Photovoltaic Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 4265-4273.	2.4	33
8	Surface oxygen vacancies dominated CeO ₂ as efficient catalyst for imine synthesis: Influences of different cerium precursors. <i>Molecular Catalysis</i> , 2017, 443, 131-138.	1.0	32
9	Copper(II) ions enhance the peroxidase-like activity and stability of keratin-capped gold nanoclusters for the colorimetric detection of glucose. <i>Mikrochimica Acta</i> , 2019, 186, 271.	2.5	32
10	Grain Size and Interface Modification via Cesium Carbonate Post-Treatment for Efficient SnO ₂ -Based Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 7002-7011.	2.5	32
11	An investigation into effect of cationic precursor solutions on formation of CuInSe ₂ thin films by SILAR method. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 621-627.	3.0	31
12	Preparation of mesoporous titania by surfactant-assisted sol-gel processing of acetaldoxime-modified titanium alkoxides. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1217-1227.	1.5	30
13	Large Dimensional CeO ₂ Nanoflakes by Microwave-Assisted Synthesis: Lamellar Nano-Channels and Surface Oxygen Vacancies Promote Catalytic Activity. <i>ChemCatChem</i> , 2018, 10, 4100-4108.	1.8	29
14	Plasma treated h-BN nanoflakes as barriers to enhance anticorrosion of acrylic coating on steel. <i>Progress in Organic Coatings</i> , 2019, 133, 139-144.	1.9	28
15	Surface modification of CeO ₂ nanoflakes by low temperature plasma treatment to enhance imine yield: Influences of different plasma atmospheres. <i>Applied Surface Science</i> , 2018, 454, 173-180.	3.1	27
16	Microwave-aided synthesis of BiOI/g-C ₃ N ₄ composites and their enhanced catalytic activities for Cr(VI) removal. <i>Chemical Physics Letters</i> , 2021, 762, 138143.	1.2	26
17	Anatase TiO ₂ nanorod arrays as high-performance electron transport layers for perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156629.	2.8	25
18	Different Synthesis Protocols for Co ₃ O ₄ as CeO ₂ Catalysts: Part 1: Influence on the Morphology on the Nanoscale. <i>Chemistry - A European Journal</i> , 2015, 21, 885-892.	1.7	24

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19	Shape-Dependent CeO ₂ @BiOI for Degradation of Aqueous Cr(VI). <i>Advanced Materials Interfaces</i> , 2020, 7, 1901879.	1.9	23
20	Nitrate Precursor Driven High Performance Ni/Co-MOF Nanosheets for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2022, 5, 8382-8392.	2.4	23
21	Electrodeposition of CuInSe ₂ films by an alternating double-potentiostatic method using nearly neutral electrolytes. <i>Electrochemistry Communications</i> , 2009, 11, 711-714.	2.3	22
22	Preparation and characterization of SnS nanocrystals by a triethanolamine-assisted diethylene glycol solution synthesis. <i>Applied Surface Science</i> , 2011, 258, 1353-1358.	3.1	22
23	BiSbS ₃ @N-doped carbon core-shell nanorods as efficient anode materials for sodium-ion batteries. <i>Dalton Transactions</i> , 2019, 48, 10448-10454.	1.6	22
24	An in-situ chemical reaction deposition of nanosized wurtzite CdS thin films. <i>Thin Solid Films</i> , 2012, 520, 1826-1831.	0.8	20
25	Large CeO ₂ nanoflakes modified by graphene as barriers in waterborne acrylic coatings and the improved anticorrosion performance. <i>Progress in Organic Coatings</i> , 2020, 143, 105607.	1.9	20
26	Monodispersed SnO ₂ microspheres aggregated by tunable building units as effective photoelectrodes in solar cells. <i>Applied Surface Science</i> , 2019, 463, 679-685.	3.1	19
27	Solution-processed p-type nanocrystalline CoO films for inverted mixed perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 78-86.	5.0	19
28	B-Doped g-C ₃ N ₄ Quantum Dots-Modified Ni(OH) ₂ Nanoflowers as an Efficient and Stable Electrode for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 1496-1504.	2.5	19
29	Sol-gel synthesis of ZnTiO ₃ using a single-source precursor based on p-carboxybenzaldehyde oxime as a linker. <i>Journal of Materials Chemistry</i> , 2012, 22, 24034.	6.7	18
30	Enhanced interface properties of solution-processed antimony sulfide planar solar cells with n-type indium sulfide buffer layer. <i>Electrochimica Acta</i> , 2021, 376, 138031.	2.6	17
31	Fast visual evaluation of the catalytic activity of CeO ₂ : Simple colorimetric assay using 3,3',5,5'-tetramethylbenzidine as indicator. <i>Journal of Catalysis</i> , 2020, 389, 71-77.	3.1	17
32	Preparation and Process Chemistry of SnO ₂ Films Derived from SnC ₂ O ₄ by the Aqueous Sol-gel Method. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1939-1944.	1.9	15
33	Growth and characterization of CuInSe ₂ thin films prepared by successive ionic layer adsorption and reaction method with different deposition temperatures. <i>Thin Solid Films</i> , 2009, 517, 6617-6622.	0.8	15
34	Co ₃ O ₄ @CeO ₂ Nanocomposites for Low-Temperature CO Oxidation. <i>Chemistry - A European Journal</i> , 2021, 27, 16947-16955.	1.7	15
35	Enhanced Sunlight Photocatalytic Performance of Hafnium Doped ZnO Nanoparticles for Methylene Blue Degradation. <i>Integrated Ferroelectrics</i> , 2013, 145, 108-114.	0.3	14
36	Sol-gel Synthesis and Photoluminescence Characterization of Ba ₂ SiO ₄ :Eu ²⁺ Green Phosphors for White-LED Application. <i>Integrated Ferroelectrics</i> , 2014, 154, 128-134.	0.3	14

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37	Highly Enhanced Visible-Light Photocatalytic Activity via a Novel Surface Structure of CeO ₂ /g-C ₃ N ₄ toward Removal of 2,4-Dichlorophenol and Cr(VI). ChemCatChem, 2021, 13, 2034-2044.	1.8	14
38	Preparations of TiO ₂ nanocrystal coating layers with various morphologies on Mullite fibers for infrared opacifier application. Thin Solid Films, 2012, 520, 2651-2655.	0.8	13
39	Cysteine-rich protein-templated silver nanoclusters as a fluorometric probe for mercury(II) detection. Analytical Methods, 2019, 11, 733-738.	1.3	13
40	Preparation and characteristics of CdS thin films by dip-coating method using its nanocrystal ink. Materials Letters, 2011, 65, 1340-1343.	1.3	12
41	Zinc(II) Complexes with Dangling Functional Organic Groups. European Journal of Inorganic Chemistry, 2012, 2012, 4294-4300.	1.0	12
42	Copper (II) Ion-Modified Gold Nanoclusters as Peroxidase Mimetics for the Colorimetric Detection of Pyrophosphate. Sensors, 2021, 21, 5538.	2.1	12
43	Kinetic Growth of One-Dimensional Zinc-Blende CdTe Nanocrystals by Aqueous Synthesis at Low Temperature. Crystal Growth and Design, 2009, 9, 5077-5082.	1.4	11
44	Influence of anionic concentration and deposition temperature on formation of wurtzite CdS thin films by in situ chemical reaction method. Journal of Alloys and Compounds, 2012, 517, 54-60.	2.8	11
45	Green synthesis by diethylene glycol based solution process and characterization of SnS nanoparticles. Crystal Research and Technology, 2012, 47, 461-466.	0.6	11
46	In situ formation of reduced graphene oxide structures in ceria by combined sol-gel and solvothermal processing. Beilstein Journal of Nanotechnology, 2016, 7, 1815-1821.	1.5	11
47	Formation of rod-crystals on CuInSe ₂ thin films by SILAR method using CH ₃ (CH ₂) ₁₁ C ₆ H ₄ SO ₃ Na surfactant. Materials Letters, 2008, 62, 4177-4180.	1.3	10
48	Template-free synthesis of hierarchical NiO microtubes as high performance anode materials for Li-ion batteries. Current Applied Physics, 2019, 19, 715-720.	1.1	10
49	One-pot solvothermal synthesis of CoNi ₂ S ₄ /reduced graphene oxide (rGO) nanocomposites as anode for sodium-ion batteries. Ionics, 2020, 26, 213-221.	1.2	9
50	Structure design of CeO ₂ /MoS ₂ composites and their efficient activity for imine synthesis. Applied Nanoscience (Switzerland), 2020, 10, 233-241.	1.6	9
51	Energy-Guided Shape Control Towards Highly Active CeO ₂ . Topics in Catalysis, 2020, 63, 1743-1753.	1.3	9
52	Fabrication of hierarchical Mn _x O _y @SiO ₂ @C-Ni nanowires for enhanced catalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124211.	2.3	7
53	Solvothermal Preparation of Carbon-Enhanced TiO ₂ /Graphene Composite and Its Visible Light Photocatalytic Properties. Integrated Ferroelectrics, 2012, 138, 152-158.	0.3	6
54	A stable super-amphiphilic surface created from superhydrophobic silica/epoxy coating by low-temperature plasma-treatment. Surface Engineering, 2021, 37, 1282-1289.	1.1	5

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55	Multi-layer Deposition and Characteristics of Nanocrystal CdS Thin Films by an <i>In situ</i> Chemical Reaction Process. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3037-3042.	1.9	4
56	Enhanced Corrosion Resistance of Silicone-Modified Epoxy Coatings by Surface-Wave Plasma Treatment. <i>International Journal of Electrochemical Science</i> , 2019, , 5051-5063.	0.5	2
57	Tuning the Band Gap of Stable and Dispersible Graphene Aqueous Solution via Hydrothermal Reduction Method. <i>Integrated Ferroelectrics</i> , 2013, 145, 115-121.	0.3	1
58	CeO ₂ Structure Adjustment by H ₂ O via the Microwave-Ultrasonic Method and Its Application in Imine Catalysis. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	1
59	Differential Sensing of Antibiotics Using Metal Ions and Gold Nanoclusters Based on TMB-H ₂ O ₂ System. <i>Chemosensors</i> , 2022, 10, 222.	1.8	1