

Guozhu Chen

List of Publications by Year in descending order

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56
papers

2,155
citations

201674

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233421

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all docs

56
docs citations

56
times ranked

3099
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold nanoparticle decorated ceria nanotubes with significantly high catalytic activity for the reduction of nitrophenol and mechanism study. Applied Catalysis B: Environmental, 2013, 132-133, 107-115.	20.2	199
2	Bifunctional catalytic/magnetic Ni@Ru core-shell nanoparticles. Chemical Communications, 2011, 47, 6308.	4.1	128
3	Facile and Mild Strategy to Construct Mesoporous CeO ₂ CuO Nanorods with Enhanced Catalytic Activity toward CO Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 23538-23544.	8.0	117
4	Interfacial Reaction-Directed Synthesis of Ce-Mn Binary Oxide Nanotubes and Their Applications in CO Oxidation and Water Treatment. Advanced Functional Materials, 2012, 22, 3914-3920.	14.9	110
5	Template-free Synthesis of Single-Crystalline-like CeO ₂ Hollow Nanocubes. Crystal Growth and Design, 2008, 8, 4449-4453.	3.0	105
6	Evolution of the functionalities and structures of biochar in pyrolysis of poplar in a wide temperature range. Bioresource Technology, 2020, 304, 123002.	9.6	104
7	Interface Reaction Route to Two Different Kinds of CeO ₂ Nanotubes. Inorganic Chemistry, 2008, 47, 723-728.	4.0	95
8	Complete Au@ZnO core-shell nanoparticles with enhanced plasmonic absorption enabling significantly improved photocatalysis. Nanoscale, 2016, 8, 10774-10782.	5.6	94
9	Nitrogen-Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 21575-21582.	13.8	94
10	Design of Porous/Hollow Structured Ceria by Partial Thermal Decomposition of Ce-MOF and Selective Etching. ACS Applied Materials & Interfaces, 2017, 9, 39594-39601.	8.0	91
11	Benign synthesis of ceria hollow nanocrystals by a template-free method. CrystEngComm, 2011, 13, 2904.	2.6	68
12	Formation of CeO ₂ Nanotubes from Ce(OH)CO ₃ Nanorods through Kirkendall Diffusion. Inorganic Chemistry, 2009, 48, 1334-1338.	4.0	66
13	In situ growth of Au@CeO ₂ core-shell nanoparticles and CeO ₂ nanotubes from Ce(OH)CO ₃ nanorods. Journal of Materials Chemistry A, 2013, 1, 288-294.	10.3	52
14	Template Synthesis and Luminescence Properties of CePO ₄ :Tb Nanotubes. Journal of Physical Chemistry C, 2008, 112, 20217-20221.	3.1	41
15	External and Internal Interface-Controlled Trimetallic PtCuNi Nanoframes with High Defect Density for Enhanced Electrooxidation of Liquid Fuels. Chemistry of Materials, 2020, 32, 1581-1594.	6.7	41
16	CeO ₂ -CuO bimetal oxides derived from Ce-based MOF and their difference in catalytic activities for CO oxidation. Materials Chemistry and Physics, 2019, 226, 338-343.	4.0	39
17	Engineering of the d-Band Center of Perovskite Cobaltite for Enhanced Electrocatalytic Oxygen Evolution. ChemSusChem, 2020, 13, 2671-2676.	6.8	39
18	Solubility product difference-guided synthesis of Co ₃ O ₄ CeO ₂ core-shell catalysts for CO oxidation. Catalysis Science and Technology, 2016, 6, 7273-7279.	4.1	36

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19	One-step template-free synthesis of ZnWO ₄ hollow clusters. <i>Journal of Materials Science</i> , 2009, 44, 3082-3087.	3.7	34
20	Interfacial reaction-directed synthesis of a ceria nanotube-embedded ultra-small Pt nanoparticle catalyst with high catalytic activity and thermal stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14148-14154.	10.3	34
21	Successive Interfacial Reaction-Directed Synthesis of CeO ₂ @Au@CeO ₂ -MnO ₂ Environmental Catalyst with Sandwich Hollow Structure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11595-11603.	8.0	34
22	Template engaged synthesis of hollow ceria-based composites. <i>Nanoscale</i> , 2015, 7, 5578-5591.	5.6	33
23	The structures, water stabilities and photoluminescence properties of two types of iodocuprate(<i>scpi</i>)-based hybrids. <i>Dalton Transactions</i> , 2018, 47, 2306-2317.	3.3	32
24	Carbon sphere-assisted solution combustion synthesis of porous/hollow structured CeO ₂ -MnOx catalysts. <i>Chemical Engineering Journal</i> , 2018, 352, 64-70.	12.7	32
25	Oxygen vacancies dependent Au nanoparticle deposition and CO oxidation. <i>RSC Advances</i> , 2016, 6, 87978-87987.	3.6	30
26	One-pot synthesis of Pt~Cu bimetallic nanocrystals with different structures and their enhanced electrocatalytic properties. <i>Nano Research</i> , 2018, 11, 2612-2624.	10.4	29
27	Ultrastable Plasmonic Cu-Based Core~Shell Nanoparticles. <i>Chemistry of Materials</i> , 2021, 33, 695-705.	6.7	29
28	Defect-density control of platinum-based nanoframes with high-index facets for enhanced electrochemical properties. <i>Nano Research</i> , 2019, 12, 2881-2888.	10.4	25
29	Metal~Organic Framework (MOF)~Derived Carbon~Mediated Interfacial Reaction for the Synthesis of CeO ₂ ~MnO ₂ Catalysts. <i>Chemistry - A European Journal</i> , 2019, 25, 6621-6627.	3.3	25
30	Hierarchically Porous ZSM-5/SBA-15 Zeolite: Tuning Pore Structure and Acidity for Enhanced Hydro-Upgrading of FCC Gasoline. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14031-14043.	3.7	24
31	Atomic-layer-deposition-formed sacrificial template for the construction of an MIL-53 shell to increase selectivity of hydrogenation reactions. <i>Chemical Communications</i> , 2019, 55, 7651-7654.	4.1	22
32	Ce~Mn coordination polymer derived hierarchical/porous structured CeO ₂ ~MnO _x for enhanced catalytic properties. <i>Nanoscale</i> , 2020, 12, 16381-16388.	5.6	22
33	Tandem Catalysis of Ammonia Borane Dehydrogenation and Phenylacetylene Hydrogenation Catalyzed by CeO ₂ Nanotube/Pd@MIL~53(Al). <i>Chemistry - A European Journal</i> , 2020, 26, 4419-4424.	3.3	19
34	Deposition of Pt clusters onto MOFs-derived CeO ₂ by ALD for selective hydrogenation of furfural. <i>Fuel</i> , 2022, 311, 122584.	6.4	17
35	Highly dispersed Pt species anchored onto NH ₂ -Ce-MOFs and their derived mesoporous catalysts for CO oxidation. <i>Nanoscale</i> , 2021, 13, 117-123.	5.6	16
36	Thermally stable and highly active Pt/CeO ₂ @SiO ₂ catalysts with a porous/hollow structure. <i>Catalysis Science and Technology</i> , 2018, 8, 4413-4419.	4.1	15

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37	Patterned Lead Halide Perovskite Crystals Fabricated by Microstructured Templates. <i>Crystal Growth and Design</i> , 2020, 20, 2803-2816.	3.0	14
38	Nitrogen-Doped Cobalt Diselenide with Cubic Phase Maintained for Enhanced Alkaline Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 21745-21752.	2.0	14
39	The Deep Understanding into the Promoted Carbon Dioxide Electroreduction of ZIF-Derived Single-Atom Catalysts by the Simple Grinding Process. <i>Small Structures</i> , 2022, 3, .	12.0	13
40	Hydrothermal synthesis of hollow twinning ZnO microstructures. <i>Crystal Research and Technology</i> , 2009, 44, 373-378.	1.3	12
41	Aqueous controllable synthesis of spindle-like palladium nanoparticles and their application for catalytic reduction of 4-nitrophenol. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 295-302.	4.4	12
42	Inner space- and architecture-controlled nanoframes for efficient electro-oxidation of liquid fuels. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19280-19289.	10.3	12
43	Single-Solvent, Ligand-Free, Gram-Scale Synthesis of Cs ₄ PbBr ₆ Perovskite Solids with Robust Green Photoluminescence. <i>ChemNanoMat</i> , 2020, 6, 258-266.	2.8	11
44	Ordinary clay as a support of nickel catalyst for steam reforming of acetic acid: Impacts of pretreatments of clay on catalytic behaviors. <i>International Journal of Energy Research</i> , 2020, 44, 10378-10393.	4.5	11
45	Poly(sodium 4-styrenesulfonate) Assisted Room-Temperature Synthesis for the Mass Production of Bismuth Oxychloride Ultrathin Nanoplates with Enhanced Photocatalytic Activity. <i>ChemPlusChem</i> , 2019, 84, 828-837.	2.8	10
46	Rhodium(III)-Catalyzed Oxidative C(sp ³)-H Alkylation of 8-Methylquinolines with Maleimides Under Aerobic Conditions. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2541-2546.	4.3	9
47	Iridium/Copper-Catalyzed Oxidative C-H/O-H Annulation of Benzoic Acids with Saturated Ketones for Accessing 3-Substituted Phthalides. <i>ChemCatChem</i> , 2020, 12, 5907-5911.	3.7	8
48	Shape-selective synthesis of CeO ₂ via an EDTA-assisted route. <i>Journal of Materials Science</i> , 2007, 42, 6977-6981.	3.7	7
49	Rate Balance Design and Construction of a Conductive Ni _{0.5} Co _{0.5} MoO ₄ Solid-Solution Microspherical Superstructure toward Advanced Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 9470-9478.	5.1	7
50	Kinetically controlled synthesis of hollow Cu ₂ O nanocubes under solvothermal condition. <i>Crystal Research and Technology</i> , 2009, 44, 721-724.	1.3	6
51	Room temperature interfacial reaction-directed synthesis of hierarchically porous ceria from a water-soluble precursor. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7022-7028.	10.3	6
52	Ultrafine NiMoO _x nanoparticles confined in mesoporous carbon for the reduction of nitroarenes: effect of the composition and accessibility of the active sites. <i>RSC Advances</i> , 2019, 9, 4571-4582.	3.6	4
53	Dual Template Engaged Synthesis of Hollow Ball-in-Tube Asymmetrical Structured Ceria. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700367.	2.3	3
54	Ring-Patterned Perovskite Single Crystals Fabricated by the Combination of Rigid and Flexible Templates. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27786-27793.	8.0	3

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55	Implanting Atomic Dispersed Ru in PtNi Colloidal Nanocrystal Clusters for Efficient Catalytic Performance in Electrooxidation of Liquid Fuels. Chemistry - A European Journal, 2020, 26, 16869-16874.	3.3	1
56	Fabrication of the Silver Grids by Interfacial Interaction. Advanced Engineering Materials, 0, , 2100901.	3.5	1