

Ruhui Chen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,630
citations

687363

13
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	Oriented Attachment: A Unique Mechanism for the Colloidal Synthesis of Metal Nanostructures. ChemNanoMat, 2022, 8, .	2.8	9
2	Solution-Phase Synthesis of PdH _{0.706} Nanocubes with Enhanced Stability and Activity toward Formic Acid Oxidation. Journal of the American Chemical Society, 2022, 144, 2556-2568.	13.7	42
3	Decomposition Kinetics of H ₂ O ₂ on Pd Nanocrystals with Different Shapes and Surface Strains. ChemCatChem, 2022, 14, .	3.7	5
4	Noble-Metal Nanocrystals with Controlled Shapes for Catalytic and Electrocatalytic Applications. Chemical Reviews, 2021, 121, 649-735.	47.7	388
5	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C ₂₊ Products in CO ₂ Reduction. Angewandte Chemie, 2021, 133, 1937-1943.	2.0	13
6	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C ₂₊ Products in CO ₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 1909-1915.	13.8	122
7	Physical Transformations of Noble-Metal Nanocrystals upon Thermal Activation. Accounts of Chemical Research, 2021, 54, 1-10.	15.6	23
8	A Simple Route to the Synthesis of Pt Nanobars and the Mechanistic Understanding of Symmetry Reduction. Chemistry - A European Journal, 2021, 27, 2760-2766.	3.3	5
9	Using Reduction Kinetics to Control and Predict the Outcome of a Colloidal Synthesis of Noble-Metal Nanocrystals. Inorganic Chemistry, 2021, 60, 4182-4197.	4.0	10
10	Twin-Directed Deposition of Pt on Pd Icosahedral Nanocrystals for Catalysts with Enhanced Activity and Durability toward Oxygen Reduction. Nano Letters, 2021, 21, 2248-2254.	9.1	36
11	Janus Nanocages of Platinum-Group Metals and Their Use as Effective Dual-Electrocatalysts. Angewandte Chemie, 2021, 133, 10472-10480.	2.0	4
12	Janus Nanocages of Platinum-Group Metals and Their Use as Effective Dual-Electrocatalysts. Angewandte Chemie - International Edition, 2021, 60, 10384-10392.	13.8	33
13	Pt-Co@Pt Octahedral Nanocrystals: Enhancing Their Activity and Durability toward Oxygen Reduction with an Intermetallic Core and an Ultrathin Shell. Journal of the American Chemical Society, 2021, 143, 8509-8518.	13.7	128
14	Improving the Purity and Uniformity of Pd and Pt Nanocrystals by Decoupling Growth from Nucleation in a Flow Reactor. Chemistry of Materials, 2021, 33, 3791-3801.	6.7	5
15	Maximizing the Catalytic Performance of Pd@Au _x Pd _{1-x} Nanocubes in H ₂ O ₂ Production by Reducing Shell Thickness to Increase Compositional Stability. Angewandte Chemie, 2021, 133, 19795-19799.	2.0	11
16	In Situ Growth of Pt-Co Nanocrystals on Different Types of Carbon Supports and Their Electrochemical Performance toward Oxygen Reduction. ACS Applied Materials & Interfaces, 2021, 13, 51988-51996.	8.0	6
17	Maximizing the Catalytic Performance of Pd@Au _x Pd _{1-x} Nanocubes in H ₂ O ₂ Production by Reducing Shell Thickness to Increase Compositional Stability. Angewandte Chemie - International Edition, 2021, 60, 19643-19647.	13.8	44
18	Facile Synthesis of Platinum Right Bipyramids by Separating and Controlling the Nucleation Step in a Continuous Flow System. Chemistry - A European Journal, 2021, 27, 13855-13863.	3.3	3

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19	Hydroquinone-Based Synthesis of Pd Nanostructures and the Interplay of Surface Capping, Reduction Kinetics, Attachment, Diffusion, and Fusion. <i>Chemistry of Materials</i> , 2021, 33, 8430-8439.	6.7	6
20	A Mechanistic Study of the Multiple Roles of Oleic Acid in the Oil-Phase Synthesis of Pt Nanocrystals. <i>Chemistry - A European Journal</i> , 2020, 26, 15636-15642.	3.3	9
21	A New Catalytic System with Balanced Activity and Durability toward Oxygen Reduction. <i>ChemCatChem</i> , 2020, 12, 4817-4824.	3.7	3
22	Aqueous Synthesis of Pd ⁿ M (M = Pd, Pt, and Au) Decahedra with Concave Facets for Catalytic Applications. <i>Topics in Catalysis</i> , 2020, 63, 664-672.	2.8	9
23	A Quantitative Analysis of the Reduction Kinetics Involved in the Synthesis of Au@Pd Concave Nanocubes. <i>Chemistry - A European Journal</i> , 2019, 25, 16397-16404.	3.3	11
24	Continuous and Scalable Synthesis of Pt Multipods with Enhanced Electrocatalytic Activity toward the Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2019, 5, 599-605.	2.8	8
25	Core-Shell Metal-Organic Frameworks as Fe ²⁺ Suppliers for Fe ²⁺ -Mediated Cancer Therapy under Multimodality Imaging. <i>Chemistry of Materials</i> , 2017, 29, 3477-3489.	6.7	107
26	Biodegradable Core-shell Dual-Metal-Organic-Frameworks Nanotheranostic Agent for Multiple Imaging Guided Combination Cancer Therapy. <i>Theranostics</i> , 2017, 7, 4605-4617.	10.0	85
27	Controllable synthesis of dual-MOFs nanostructures for pH-responsive artemisinin delivery, magnetic resonance and optical dual-modal imaging-guided chemo/photothermal combinational cancer therapy. <i>Biomaterials</i> , 2016, 100, 27-40.	11.4	245
28	Magnetically guided delivery of DHA and Fe ions for enhanced cancer therapy based on pH-responsive degradation of DHA-loaded Fe ₃ O ₄ @MIL-100(Fe) nanoparticles. <i>Biomaterials</i> , 2016, 107, 88-101.	11.4	194
29	Novel Mn ₃ [Co(CN) ₆] ₂ @SiO ₂ @Ag Core-Shell Nanocube: Enhanced Two-Photon Fluorescence and Magnetic Resonance Dual-Modal Imaging-Guided Photothermal and Chemotherapy. <i>Small</i> , 2015, 11, 5956-5967.	10.0	65
30	Synthesis and Characterization of Pt-Ag Icosahedral Nanocages with Enhanced Catalytic Activity toward Oxygen Reduction. <i>ChemNanoMat</i> , 0, , .	2.8	1