Ruhui Chen

List of Publications by Year
in descending order

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	Noble-Metal Nanocrystals with Controlled Shapes for Catalytic and Electrocatalytic Applications. Chemical Reviews, 2021, 121, 649-735.	47.7	388
2	Controllable synthesis of dual-MOFs nanostructures for pH-responsive artemisinin delivery, magnetic resonance and optical dual-model imaging-guided chemo/photothermal combinational cancer therapy. Biomaterials, 2016, 100, 27-40.	11.4	245
3	Magnetically guided delivery of DHA and Fe ions for enhanced cancer therapy based on pH-responsive degradation of DHA-loaded Fe 3 O 4 @C@MIL-100(Fe) nanoparticles. Biomaterials, 2016, 107, 88-101.	11.4	194
4	Ptâ€“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
5	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C₂₊ Products in CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 1909-1915.	13.8	122
6	Coreâ€“Shell Metal-Organic Frameworks as Fe²⁺ Suppliers for Fe²⁺-Mediated Cancer Therapy under Multimodality Imaging. Chemistry of Materials, 2017, 29, 3477-3489.	6.7	107
7	Biodegradable Core-shell Dual-Metal-Organic-Frameworks Nanotheranostic Agent for Multiple Imaging Guided Combination Cancer Therapy. Theranostics, 2017, 7, 4605-4617.	10.0	85
8	Novel Mn₃[Co(CN)₆]₂@SiO₂@Ag Coreâ€“Shell Nanocube: Enhanced Twoâ€Photon Fluorescence and Magnetic Resonance Dualâ€Modal Imagingâ€Guided Photothermal and Chemoâ€therapy. Small, 2015, 11, 5956-5967.	10.0	65
9	Maximizing the Catalytic Performance of Pd@Au_xPd_{1â^'x} Nanocubes in H₂O₂ Production by Reducing Shell Thickness to Increase Compositional Stability. Angewandte Chemie - International Edition, 2021, 60, 19643-19647.	13.8	44
10	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
11	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
12	Janus Nanocages of Platinumâ€Group Metals and Their Use as Effective Dualâ€Electrocatalysts. Angewandte Chemie - International Edition, 2021, 60, 10384-10392.	13.8	33
13	Physical Transformations of Noble-Metal Nanocrystals upon Thermal Activation. Accounts of Chemical Research, 2021, 54, 1-10.	15.6	23
14	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
15	A Quantitative Analysis of the Reduction Kinetics Involved in the Synthesis of Au@Pd Concave Nanocubes. Chemistry - A European Journal, 2019, 25, 16397-16404.	3.3	11
16	Maximizing the Catalytic Performance of Pd@Au_xPd_{1â^'x} Nanocubes in H₂O₂ Production by Reducing Shell Thickness to Increase Compositional Stability. Angewandte Chemie, 2021, 133, 19795-19799.	2.0	11
17	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
18	A Mechanistic Study of the Multiple Roles of Oleic Acid in the Oilâ€Phase Synthesis of Pt Nanocrystals. Chemistry - A European Journal, 2020, 26, 15636-15642.	3.3	9

#	Article	IF	Citations
19	Aqueous Synthesis of Pdâ€“M (Mâ€‰=â€‰Pd, Pt, and Au) Decahedra with Concave Facets for Catalytic Applications. Topics in Catalysis, 2020, 63, 664-672.	2.8	9
20	Oriented Attachment: A Unique Mechanism for the Colloidal Synthesis of Metal Nanostructures. ChemNanoMat, 2022, 8, .	2.8	9
21	Continuous and Scalable Synthesis of Pt Multipods with Enhanced Electrocatalytic Activity toward the Oxygen Reduction Reaction. ChemNanoMat, 2019, 5, 599-605.	2.8	8
22	In Situ Growth of Ptâ€“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
23	Hydroquinone-Based Synthesis of Pd Nanostructures and the Interplay of Surface Capping, Reduction Kinetics, Attachment, Diffusion, and Fusion. Chemistry of Materials, 2021, 33, 8430-8439.	6.7	6
24	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
25	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
26	Decomposition Kinetics of H₂O₂ on Pd Nanocrystals with Different Shapes and Surface Strains. ChemCatChem, 2022, 14, .	3.7	5
27	Janus Nanocages of Platinumâ€Group Metals and Their Use as Effective Dualâ€Electrocatalysts. Angewandte Chemie, 2021, 133, 10472-10480.	2.0	4
28	A New Catalytic System with Balanced Activity and Durability toward Oxygen Reduction. ChemCatChem, 2020, 12, 4817-4824.	3.7	3
29	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
30	Synthesis and Characterization of Ptâ€Ag Icosahedral Nanocages with Enhanced Catalytic Activity toward Oxygen Reduction. ChemNanoMat, 0, , .	2.8	1