

# Minghao Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,463  
citations

331538

21  
h-index

330025

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C <sub>2+</sub> Products in CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2021, 133, 1937-1943.	1.6	13
2	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C <sub>2+</sub> Products in CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1909-1915.	7.2	122
3	Twin-Directed Deposition of Pt on Pd Icosahedral Nanocrystals for Catalysts with Enhanced Activity and Durability toward Oxygen Reduction. <i>Nano Letters</i> , 2021, 21, 2248-2254.	4.5	36
4	Janus Nanocages of Platinum-Group Metals and Their Use as Effective Dual-Electrocatalysts. <i>Angewandte Chemie</i> , 2021, 133, 10472-10480.	1.6	4
5	Janus Nanocages of Platinum-Group Metals and Their Use as Effective Dual-Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10384-10392.	7.2	33
6	Kinetically Controlled Synthesis of Rhodium Nanocrystals with Different Shapes and a Comparison Study of Their Thermal and Catalytic Properties. <i>Journal of the American Chemical Society</i> , 2021, 143, 6293-6302.	6.6	26
7	Colloidal Nanospheres of Amorphous Selenium: Facile Synthesis, Size Control, and Optical Properties. <i>ChemNanoMat</i> , 2021, 7, 620-625.	1.5	5
8	Pt-Co@Pt Octahedral Nanocrystals: Enhancing Their Activity and Durability toward Oxygen Reduction with an Intermetallic Core and an Ultrathin Shell. <i>Journal of the American Chemical Society</i> , 2021, 143, 8509-8518.	6.6	128
9	Calcination-Free Synthesis of Well-Dispersed and Sub-10-nm Spinel Ferrite Nanoparticles as High-Performance Anode Materials for Lithium-Ion Batteries: A Case Study of CoFe <sub>2</sub> O <sub>4</sub> . <i>Chemistry - A European Journal</i> , 2021, 27, 12900-12909.	1.7	9
10	Maximizing the Catalytic Performance of Pd@Au <sub>x</sub> Pd <sub>1-x</sub> Nanocubes in H <sub>2</sub> O <sub>2</sub> Production by Reducing Shell Thickness to Increase Compositional Stability. <i>Angewandte Chemie</i> , 2021, 133, 19795-19799.	1.6	11
11	In Situ Growth of Pt-Co Nanocrystals on Different Types of Carbon Supports and Their Electrochemical Performance toward Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51988-51996.	4.0	6
12	Maximizing the Catalytic Performance of Pd@Au <sub>x</sub> Pd <sub>1-x</sub> Nanocubes in H <sub>2</sub> O <sub>2</sub> Production by Reducing Shell Thickness to Increase Compositional Stability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19643-19647.	7.2	44
13	Facile Synthesis of Platinum Right Bipyramids by Separating and Controlling the Nucleation Step in a Continuous Flow System. <i>Chemistry - A European Journal</i> , 2021, 27, 13855-13863.	1.7	3
14	Kinetically Controlled Synthesis of Pd-Cu Janus Nanocrystals with Enriched Surface Structures and Enhanced Catalytic Activities toward CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 149-162.	6.6	77
15	Facet-controlled Pt-Ir nanocrystals with substantially enhanced activity and durability towards oxygen reduction. <i>Materials Today</i> , 2020, 35, 69-77.	8.3	45
16	Gold nanocages for effective photothermal conversion and related applications. <i>Chemical Science</i> , 2020, 11, 12955-12973.	3.7	46
17	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19129-19135.	7.2	24
18	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. <i>Angewandte Chemie</i> , 2020, 132, 19291-19297.	1.6	2

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19	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.	1.7	9
20	Pt-Co truncated octahedral nanocrystals: a class of highly active and durable catalysts toward oxygen reduction. <i>Nanoscale</i> , 2020, 12, 11718-11727.	2.8	13
21	Pt-Pd Trimetallic Nanocages as a Dual Catalyst for Efficient Oxygen Reduction and Evolution Reactions in Acidic Media. <i>Advanced Energy Materials</i> , 2020, 10, 1904114.	10.2	100
22	A New Catalytic System with Balanced Activity and Durability toward Oxygen Reduction. <i>ChemCatChem</i> , 2020, 12, 4817-4824.	1.8	3
23	Pd-Ru Alloy Nanocages with a Face-Centered Cubic Structure and Their Enhanced Activity toward the Oxidation of Ethylene Glycol and Glycerol. <i>Small Methods</i> , 2020, 4, 1900843.	4.6	46
24	Catalytic System Based on Sub-2 nm Pt Particles and Its Extraordinary Activity and Durability for Oxygen Reduction. <i>Nano Letters</i> , 2019, 19, 4997-5002.	4.5	68
25	Facile Synthesis and Characterization of Pd@Ir <sub>n</sub> (n = 1-4) Core-Shell Nanocubes for Highly Efficient Oxygen Evolution in Acidic Media. <i>Chemistry of Materials</i> , 2019, 31, 5867-5875.	3.2	65
26	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.	1.7	11
27	General Approach to the Synthesis of Heterodimers of Metal Nanoparticles through Site-Selected Protection and Growth. <i>Nano Letters</i> , 2019, 19, 6703-6708.	4.5	51
28	Incorporation of gold nanocages into electrospun nanofibers for efficient water evaporation through photothermal heating. <i>Materials Today Energy</i> , 2019, 12, 129-135.	2.5	54
29	 Iridium-Based Cubic Nanocages with 1.1 nm Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. <i>Angewandte Chemie</i> , 2019, 131, 7576-7576.	1.6	0
30	Iridium-Based Cubic Nanocages with 1.1 nm Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7244-7248.	7.2	89
31	Iridium-Based Cubic Nanocages with 1.1 nm Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. <i>Angewandte Chemie</i> , 2019, 131, 7322-7326.	1.6	12
32	Ru Octahedral Nanocrystals with a Face-Centered Cubic Structure, {111} Facets, Thermal Stability up to 400 °C, and Enhanced Catalytic Activity. <i>Journal of the American Chemical Society</i> , 2019, 141, 7028-7036.	6.6	122
33	Seed-Mediated Growth of Au Nanospheres into Hexagonal Stars and the Emergence of a Hexagonal Close-Packed Phase. <i>Nano Letters</i> , 2019, 19, 3115-3121.	4.5	44
34	Facile Synthesis of Pt Icosahedral Nanocrystals with Controllable Sizes for the Evaluation of Size-Dependent Activity toward Oxygen Reduction. <i>ChemCatChem</i> , 2019, 11, 2458-2463.	1.8	11
35	Continuous and Scalable Synthesis of Pt Multipods with Enhanced Electrocatalytic Activity toward the Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2019, 5, 599-605.	1.5	8
36	Au@Cu Core-Shell Nanocubes with Controllable Sizes in the Range of 20-30 nm for Applications in Catalysis and Plasmonics. <i>ACS Applied Nano Materials</i> , 2019, 2, 1533-1540.	2.4	22

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37	A Rationally Designed Route to the One-Pot Synthesis of Right Bipyramidal Nanocrystals of Copper. <i>Chemistry of Materials</i> , 2018, 30, 6469-6477.	3.2	28
38	Enabling Complete Ligand Exchange on the Surface of Gold Nanocrystals through the Deposition and Then Etching of Silver. <i>Journal of the American Chemical Society</i> , 2018, 140, 11898-11901.	6.6	53
39	Enhancing the tactile and near-infrared sensing capabilities of electrospun PVDF nanofibers with the use of gold nanocages. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10263-10269.	2.7	18
40	Freestanding Graphene-Coated Carbon Nanotube Aerogels Decorated with Metal Nanoparticles As High Performance Electrodes for Ethanol Oxidation. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0