

Yifeng Shi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,027
citations

1040056

9
h-index

713466

21
g-index

23
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23
docs citations

23
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Phase Synthesis of PdH _{0.706} Nanocubes with Enhanced Stability and Activity toward Formic Acid Oxidation. <i>Journal of the American Chemical Society</i> , 2022, 144, 2556-2568.	13.7	42
2	Phase-Controlled Synthesis of Ru Nanocrystals via Template-Directed Growth: Surface Energy versus Bulk Energy. <i>Nano Letters</i> , 2022, 22, 3591-3597.	9.1	7
3	Decomposition Kinetics of H ₂ O ₂ on Pd Nanocrystals with Different Shapes and Surface Strains. <i>ChemCatChem</i> , 2022, 14, .	3.7	5
4	Noble-Metal Nanocrystals with Controlled Shapes for Catalytic and Electrocatalytic Applications. <i>Chemical Reviews</i> , 2021, 121, 649-735.	47.7	388
5	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.	13.7	26
6	Improving the Purity and Uniformity of Pd and Pt Nanocrystals by Decoupling Growth from Nucleation in a Flow Reactor. <i>Chemistry of Materials</i> , 2021, 33, 3791-3801.	6.7	5
7	Atomistic insights into the nucleation and growth of platinum on palladium nanocrystals. <i>Nature Communications</i> , 2021, 12, 3215.	12.8	18
8	In Situ Growth of Pt@Co Nanocrystals on Different Types of Carbon Supports and Their Electrochemical Performance toward Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51988-51996.	8.0	6
9	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.	3.3	3
10	Polydopamine Nanobottles with Photothermal Capability for Controlled Release and Related Applications. <i>Advanced Materials</i> , 2021, 33, e2104729.	21.0	31
11	Elucidating the surface compositions of Pd@Pt _{nL} core-shell nanocrystals through catalytic reactions and spectroscopy probes. <i>Nanoscale</i> , 2021, 13, 18498-18506.	5.6	2
12	Oberflächenstabilisatoren und ihre Rolle bei der formkontrollierten Synthese von kolloidalen Metall-Nanokristallen. <i>Angewandte Chemie</i> , 2020, 132, 15498-15523.	2.0	3
13	Surface Capping Agents and Their Roles in Shape-Controlled Synthesis of Colloidal Metal Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15378-15401.	13.8	180
14	Facile Synthesis of Pd-Cu Bimetallic Twin Nanocubes and a Mechanistic Understanding of the Shape Evolution. <i>ChemNanoMat</i> , 2020, 6, 386-391.	2.8	3
15	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.	13.8	24
16	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.	2.0	2
17	Separating Growth from Nucleation for Facile Control over the Size and Shape of Palladium Nanocrystals. <i>Chemistry - A European Journal</i> , 2020, 26, 13890-13895.	3.3	7
18	Facile Synthesis of Ag@Pd _{nL} Icosahedral Nanocrystals as a Class of Cost-Effective Electrocatalysts toward Formic Acid Oxidation. <i>ChemCatChem</i> , 2020, 12, 5156-5163.	3.7	8

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19	One-Dimensional Metal Nanostructures: From Colloidal Syntheses to Applications. <i>Chemical Reviews</i> , 2019, 119, 8972-9073.	47.7	240
20	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
21	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.	5.5	18
22	Synthesis and Characterization of Pt@Ag Icosahedral Nanocages with Enhanced Catalytic Activity toward Oxygen Reduction. <i>ChemNanoMat</i> , 0, , .	2.8	1