Yifeng Shi

List of Publications by Year in descending order

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22	1,027	1040056 9	713466 21
papers	citations	h-index	g-index

23	23	23	1145
all docs	docs citations	times ranked	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	One-Dimensional Metal Nanostructures: From Colloidal Syntheses to Applications. Chemical Reviews, 2019, 119, 8972-9073.	47.7	240
3	Surface Capping Agents and Their Roles in Shapeâ€Controlled Synthesis of Colloidal Metal Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 15378-15401.	13.8	180
4	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
5	Polydopamine Nanobottles with Photothermal Capability for Controlled Release and Related Applications. Advanced Materials, 2021, 33, e2104729.	21.0	31
6	Kinetically Controlled Synthesis of Rhodium Nanocrystals with Different Shapes and a Comparison Study of Their Thermal and Catalytic Properties. Journal of the American Chemical Society, 2021, 143, 6293-6302.	13.7	26
7	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. Angewandte Chemie - International Edition, 2020, 59, 19129-19135.	13.8	24
8	Enhancing the tactile and near-infrared sensing capabilities of electrospun PVDF nanofibers with the use of gold nanocages. Journal of Materials Chemistry C, 2018, 6, 10263-10269.	5.5	18
9	Atomistic insights into the nucleation and growth of platinum on palladium nanocrystals. Nature Communications, 2021, 12, 3215.	12.8	18
10	Continuous and Scalable Synthesis of Pt Multipods with Enhanced Electrocatalytic Activity toward the Oxygen Reduction Reaction. ChemNanoMat, 2019, 5, 599-605.	2.8	8
11	Facile Synthesis of Ag@Pd_{nL} Icosahedral Nanocrystals as a Class of Costâ€Effective Electrocatalysts toward Formic Acid Oxidation. ChemCatChem, 2020, 12, 5156-5163.	3.7	8
12	Separating Growth from Nucleation for Facile Control over the Size and Shape of Palladium Nanocrystals. Chemistry - A European Journal, 2020, 26, 13890-13895.	3.3	7
13	Phase-Controlled Synthesis of Ru Nanocrystals via Template-Directed Growth: Surface Energy versus Bulk Energy. Nano Letters, 2022, 22, 3591-3597.	9.1	7
14	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
15	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
16	Decomposition Kinetics of H₂O₂ on Pd Nanocrystals with Different Shapes and Surface Strains. ChemCatChem, 2022, 14, .	3.7	5
17	OberflÃchenstabilisatoren und ihre Rolle bei der formkontrollierten Synthese von kolloidalen Metallâ€Nanokristallen. Angewandte Chemie, 2020, 132, 15498-15523.	2.0	3
18	Facile Synthesis of Pdâ”Cu Bimetallic Twin Nanocubes and a Mechanistic Understanding of the Shape Evolution. ChemNanoMat, 2020, 6, 386-391.	2.8	3

#	Article	IF	Citations
19	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
20	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. Angewandte Chemie, 2020, 132, 19291-19297.	2.0	2
21	Elucidating the surface compositions of Pd@Pt_{nL} coreâ€“shell nanocrystals through catalytic reactions and spectroscopy probes. Nanoscale, 2021, 13, 18498-18506.	5.6	2
22	Synthesis and Characterization of Ptâ€Ag Icosahedral Nanocages with Enhanced Catalytic Activity toward Oxygen Reduction. ChemNanoMat, 0, , .	2.8	1