

Siyu Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2490305/publications.pdf>

Version: 2024-02-01

14
papers

403
citations

932766

10
h-index

1199166

12
g-index

14
all docs

14
docs citations

14
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow-Structured Materials for Thermal Insulation. <i>Advanced Materials</i> , 2019, 31, e1801001.	11.1	197
2	Quantum-Sized Metal Catalysts for Hot-Electron-Driven Chemical Transformation. <i>Advanced Materials</i> , 2018, 30, e1802082.	11.1	55
3	In Situ Synchrotron X-ray Characterization Shining Light on the Nucleation and Growth Kinetics of Colloidal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8987-8995.	7.2	40
4	Pt-Cu hierarchical quasi great dodecahedrons with abundant twinning defects for hydrogen evolution. <i>Chemical Communications</i> , 2017, 53, 6922-6925.	2.2	22
5	Light-Driven Dry Reforming of Methane on Metal Catalysts. <i>Solar Rrl</i> , 2021, 5, 2000507.	3.1	21
6	Enabling selective aerobic oxidation of alcohols to aldehydes by hot electrons in quantum-sized Rh nanocubes. <i>Materials Today Energy</i> , 2018, 10, 15-22.	2.5	14
7	In Situ Techniques for Probing Kinetics and Mechanism of Hollowing Nanostructures through Direct Chemical Transformations. <i>Small Methods</i> , 2018, 2, 1800165.	4.6	13
8	Microwave synthesis of single-phase nanoparticles made of multi-principal element alloys. <i>Nano Research</i> , 2022, 15, 4886-4892.	5.8	13
9	Directionally assembled MoS ₂ with significantly expanded interlayer spacing: a superior anode material for high-rate lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1441-1448.	3.2	12
10	An extreme-condition model for quantifying growth kinetics of colloidal metal nanoparticles. <i>Nano Research</i> , 2019, 12, 1339-1345.	5.8	10
11	Tessellating tiny tetrahedrons. <i>Science</i> , 2018, 362, 1354-1355.	6.0	3
12	In Situ Synchrotron X-ray Characterization Shining Light on the Nucleation and Growth Kinetics of Colloidal Nanoparticles. <i>Angewandte Chemie</i> , 2019, 131, 9083-9091.	1.6	3
13	Photocatalysis: Quantum-Sized Metal Catalysts for Hot-Electron-Driven Chemical Transformation (<i>Adv. Mater.</i> 48/2018). <i>Advanced Materials</i> , 2018, 30, 1870366.	11.1	0
14	Simulated annealing fitting: a global optimization method for quantitatively analyzing growth kinetics of colloidal Ag nanoparticles. <i>Nanoscale Horizons</i> , 2021, 6, 568-573.	4.1	0