

Guomin Zhu

List of Publications by Year in descending order

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15
papers

634
citations

758635

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996533

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docs citations

15
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-Free Encapsulation of Fe ⁰ in 2D Fused Organic Networks as a Durable Oxygen Reduction Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 1737-1742.	6.6	124
2	In situ Study of Oxidative Etching of Palladium Nanocrystals by Liquid Cell Electron Microscopy. <i>Nano Letters</i> , 2014, 14, 3761-3765.	4.5	120
3	Self-similar mesocrystals form via interface-driven nucleation and assembly. <i>Nature</i> , 2021, 590, 416-422.	13.7	98
4	Atomic resolution liquid-cell transmission electron microscopy investigations of the dynamics of nanoparticles in ultrathin liquids. <i>Chemical Communications</i> , 2013, 49, 10944.	2.2	50
5	Near surface nucleation and particle mediated growth of colloidal Au nanocrystals. <i>Nanoscale</i> , 2018, 10, 11907-11912.	2.8	48
6	In situ study of the growth of two-dimensional palladium dendritic nanostructures using liquid-cell electron microscopy. <i>Chemical Communications</i> , 2014, 50, 9447.	2.2	45
7	Probing the oxidative etching induced dissolution of palladium nanocrystals in solution by liquid cell transmission electron microscopy. <i>Micron</i> , 2017, 97, 22-28.	1.1	28
8	A Mechanistic Understanding of Nonclassical Crystal Growth in Hydrothermally Synthesized Sodium Yttrium Fluoride Nanowires. <i>Chemistry of Materials</i> , 2020, 32, 2753-2763.	3.2	27
9	Addressing some of the technical challenges associated with liquid phase S/TEM studies of particle nucleation, growth and assembly. <i>Micron</i> , 2019, 118, 35-42.	1.1	24
10	Two-Dimensional van der Waals Nanoplatelets with Robust Ferromagnetism. <i>Nano Letters</i> , 2020, 20, 2100-2106.	4.5	19
11	Nanoparticle Immobilization for Controllable Experiments in Liquid-Cell Transmission Electron Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22801-22808.	4.0	18
12	Peptoid-directed assembly of CdSe nanoparticles. <i>Nanoscale</i> , 2021, 13, 1273-1282.	2.8	18
13	Coupled morphological and structural evolution of $\hat{\Gamma}$ -MnO ₂ to $\hat{I}\pm$ -MnO ₂ through multistage oriented assembly processes: the role of Mn(III). <i>Environmental Science: Nano</i> , 2020, 7, 238-249.	2.2	10
14	Solvent-Driven Transformation of Zn/Cd ²⁺ -Deoxycholate Assemblies. <i>Inorganic Chemistry</i> , 2022, 61, 1275-1286.	1.9	4
15	Reply to Comment on "A Mechanistic Understanding of Nonclassical Crystal Growth in Hydrothermally Synthesized Sodium Yttrium Fluoride Nanowires". <i>Chemistry of Materials</i> , 2021, 33, 3862-3864.	3.2	1