

Shuo Han

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

528
citations

932766

10
h-index

1199166

12
g-index

12
all docs

12
docs citations

12
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing intermediates of the induction period prior to nucleation and growth of semiconductor quantum dots. <i>Nature Communications</i> , 2017, 8, 15467.	5.8	87
2	Thermally-induced reversible structural isomerization in colloidal semiconductor CdS magic-size clusters. <i>Nature Communications</i> , 2018, 9, 2499.	5.8	79
3	Two-Step Nucleation of CdS Magic-Size Nanocluster MSC ³¹¹ . <i>Chemistry of Materials</i> , 2017, 29, 5727-5735.	3.2	68
4	Individual Pathways in the Formation of Magic-Size Clusters and Conventional Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3660-3666.	2.1	62
5	Precursor Self-Assembly Identified as a General Pathway for Colloidal Semiconductor Magic-Size Clusters. <i>Advanced Science</i> , 2018, 5, 1800632.	5.6	56
6	Formation of colloidal alloy semiconductor CdTeSe magic-size clusters at room temperature. <i>Nature Communications</i> , 2019, 10, 1674.	5.8	49
7	Evolution of Two Types of CdTe Magic-Size Clusters from a Single Induction Period Sample. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5288-5295.	2.1	46
8	Colloidal CdSe 0-Dimension Nanocrystals and Their Self-Assembled 2-Dimension Structures. <i>Chemistry of Materials</i> , 2018, 30, 1575-1584.	3.2	32
9	Effect of Small Molecule Additives in the Prenucleation Stage of Semiconductor CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6356-6363.	2.1	22
10	X-ray total scattering study of magic-size clusters and quantum dots of cadmium sulphide. <i>Nanoscale</i> , 2019, 11, 21900-21908.	2.8	17
11	Analysis of the atomic structure of CdS magic-size clusters by X-ray absorption spectroscopy. <i>Nanoscale</i> , 2020, 12, 19325-19332.	2.8	6
12	Energetics of Nonradiative Surface Trap States in Nanoparticles Monitored by Time-of-Flight Photoconduction Measurements on Nanoparticle-Polymer Blends. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37184-37192.	4.0	4