

Mechanistic Study of Precursor Evolution in Colloidal Nanocrystal Synthesis

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Optical Properties of CdTe Nanocrystal Quantum Dots, Grown in the Presence of Cd ⁰ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10841-10847.	1.5	30
5	Synthesis of CdSeS Nanocrystals in Coordinating and Noncoordinating Solvents: Solvent's Role in Evolution of the Optical and Structural Properties. <i>Chemistry of Materials</i> , 2007, 19, 5185-5193.	3.2	100
6	Nonaqueous Sol-Gel Routes to Metal Oxide Nanoparticles. <i>Accounts of Chemical Research</i> , 2007, 40, 793-800.	7.6	646
7	ZnSe based colloidal nanocrystals: synthesis, shape control, core/shell, alloy and doped systems. <i>New Journal of Chemistry</i> , 2007, 31, 1843.	1.4	122
8	The Growth of Colloidal Cadmium Telluride Nanocrystal Quantum Dots in the Presence of Cd ⁰ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10336-10341.	1.5	82
9	Self-Assembly of Vertically Aligned Nanorod Supercrystals Using Highly Oriented Pyrolytic Graphite. <i>Nano Letters</i> , 2007, 7, 2480-2485.	4.5	110
10	Review of the Synthetic Chemistry Involved in the Production of Core/Shell Semiconductor Nanocrystals. <i>Australian Journal of Chemistry</i> , 2007, 60, 457.	0.5	114
11	Free-radical addition of phosphine sulfides to aryl and hetaryl acetylenes: unprecedented stereoselectivity. <i>Mendeleev Communications</i> , 2007, 17, 181-182.	0.6	16
12	Synthesis, encapsulation, purification and coupling of single quantum dots in phospholipid micelles for their use in cellular and in vivo imaging. <i>Nature Protocols</i> , 2007, 2, 2383-2390.	5.5	155
13	Ligand Control of Growth, Morphology, and Capping Structure of Colloidal CdSe Nanorods. <i>Chemistry of Materials</i> , 2007, 19, 2573-2580.	3.2	159
14	Phosphine-free synthesis of metal chalcogenide quantum dots by means of in situ-generated hydrogen chalcogenides. <i>Colloid and Polymer Science</i> , 2008, 286, 813-817.	1.0	35
15	Surfactant-Free Nonaqueous Synthesis of Metal Oxide Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5292-5304.	7.2	437
17	Temperature tunability of size in CdS nanoparticles and size dependent photocatalytic degradation of nitroaromatics. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 128-135.	5.0	47
18	Fine control of the growth and optical properties of CdSe quantum dots by varying the amount of stearic acid in a liquid paraffin matrix. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 322, 177-182.	2.3	40
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20	Graphene-stabilized copper nanoparticles as an air-stable substitute for silver and gold in low-cost ink-jet printable electronics. <i>Nanotechnology</i> , 2008, 19, 445201.	1.3	253
21	Understanding and Controlling the Growth of Monodisperse CdS Nanowires in Solution. <i>Chemistry of Materials</i> , 2008, 20, 5444-5452.	3.2	43
22	Semiconductor Nanocrystal Quantum Dots. , 2008, , .		239

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24	Synthesis of semiconductor nanocrystals in organic solvents. , 2008, , 35-72.		11
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35	Gold tip formation on perpendicularly aligned semiconductor nanorod assemblies. <i>Journal of Materials Chemistry</i> , 2008, 18, 5218.	6.7	38
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