

Nearly Monodisperse and Shape-Controlled CdSe Nano Nucleation and Growth

Journal of the American Chemical Society

124, 3343-3353

DOI: 10.1021/ja0173167

Citation Report

#	ARTICLE	IF	CITATIONS
2	Formation of High Quality InP and InAs Nanocrystals in a Noncoordinating Solvent. Nano Letters, 2002, 2, 1027-1030.	4.5	501
3	Future directions in solid state chemistry: report of the NSF-sponsored workshop. Progress in Solid State Chemistry, 2002, 30, 1-101.	3.9	24
5	Formation of High-Quality CdS and Other II-VI Semiconductor Nanocrystals in Noncoordinating Solvents: Tunable Reactivity of Monomers. Angewandte Chemie - International Edition, 2002, 41, 2368-2371.	7.2	1,174
7	Synthesis and Characterization of Lanthanide Hydroxide Single-Crystal Nanowires. Angewandte Chemie - International Edition, 2002, 41, 4790-4793.	7.2	439
8	Attachment of Single CdSe Nanocrystals to Individual Single-Walled Carbon Nanotubes. Nano Letters, 2002, 2, 1253-1258.	4.5	295
9	Chemical synthesis of magnetic nanoparticles. Chemical Communications, 2003, , 927-934.	2.2	1,415
10	Experimental Determination of the Extinction Coefficient of CdTe, CdSe, and CdS Nanocrystals. Chemistry of Materials, 2003, 15, 2854-2860.	3.2	4,738
11	Synthesis of Coinage-Metal Nanoparticles from Mesityl Precursors. Nano Letters, 2003, 3, 901-905.	4.5	86
12	Generalized and Facile Synthesis of Semiconducting Metal Sulfide Nanocrystals. Journal of the American Chemical Society, 2003, 125, 11100-11105.	6.6	619
13	Novel Inorganic-Organic-Layered Structures: Crystallographic Understanding of Both Phase and Morphology Formations of One-Dimensional CdE (E = S, Se, Te) Nanorods in Ethylenediamine. Inorganic Chemistry, 2003, 42, 2331-2341.	1.9	167
14	High quality CdSeS nanocrystals synthesized by facile single injection process and their electroluminescence. Chemical Communications, 2003, , 2964.	2.2	124
15	Systematic Synthesis and Characterization of Single-Crystal Lanthanide Orthophosphate Nanowires. Journal of the American Chemical Society, 2003, 125, 16025-16034.	6.6	443
16	A Simple Aqueous-Solution Processing Route to Prepare Quantum-Confined CdS Nanorods. ChemPhysChem, 2003, 4, 761-763.	1.0	17
17	General Synthesis of Single-Crystal Tungstate Nanorods/Nanowires: A Facile, Low-Temperature Solution Approach. Advanced Functional Materials, 2003, 13, 639-647.	7.8	439
18	Low-Temperature Fabrication of Highly Crystalline SnO ₂ Nanorods. Advanced Materials, 2003, 15, 1022-1025.	11.1	379
19	Direct Synthesis of Se@CdSe Nanocables and CdSe Nanotubes by Reacting Cadmium Salts with Se Nanowires. Advanced Materials, 2003, 15, 1740-1743.	11.1	149
20	One-Dimensional Nanostructures: Synthesis, Characterization, and Applications. Advanced Materials, 2003, 15, 353-389.	11.1	8,229
21	Morphogenesis of One-Dimensional ZnO Nano- and Microcrystals. Advanced Materials, 2003, 15, 402-405.	11.1	436

#	ARTICLE	IF	CITATIONS
22	Mechanisms for the Shape-Control and Shape-Evolution of Colloidal Semiconductor Nanocrystals. <i>Advanced Materials</i> , 2003, 15, 459-463.	11.1	628
23	The use of surface-active agents in the preparation and assembly of quantum-sized nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2003, 106, 169-181.	7.0	26
24	Why is the thermalization of excited electrons in semiconductor nanoparticles so rapid? Studies on CdSe nanoparticles. <i>Chemical Physics Letters</i> , 2003, 373, 284-291.	1.2	26
25	Hydrothermal synthesis and characterization of hexagonal and monoclinic CePO ₄ single-crystal nanowires. <i>Journal of Crystal Growth</i> , 2003, 256, 156-161.	0.7	87
26	Preparation of BaSO ₄ nanocrystals by controlled precipitation. <i>Particuology: Science and Technology of Particles</i> , 2003, 1, 134-136.	0.4	5
27	Formation of monodispersed PVP-capped ZnS and CdS nanocrystals under microwave irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 220, 151-157.	2.3	97
28	Controlled growth of tetrapod-branched inorganic nanocrystals. <i>Nature Materials</i> , 2003, 2, 382-385.	13.3	1,373
29	Synthesis of Monodisperse Palladium Nanoparticles. <i>Nano Letters</i> , 2003, 3, 1289-1291.	4.5	403
30	Kinetically Controlled Synthesis of Wurtzite ZnS Nanorods through Mild Thermolysis of a Covalent Organic-Inorganic Network. <i>Inorganic Chemistry</i> , 2003, 42, 3100-3106.	1.9	173
31	Preferential End-to-End Assembly of Gold Nanorods by Biotin-Streptavidin Connectors. <i>Journal of the American Chemical Society</i> , 2003, 125, 13914-13915.	6.6	643
32	Large-Scale Synthesis of Tungsten Oxide Nanowires with High Aspect Ratio. <i>Inorganic Chemistry</i> , 2003, 42, 921-924.	1.9	139
33	Study of Nucleation and Growth in the Organometallic Synthesis of Magnetic Alloy Nanocrystals: The Role of Nucleation Rate in Size Control of CoPt ₃ Nanocrystals. <i>Journal of the American Chemical Society</i> , 2003, 125, 9090-9101.	6.6	484
34	Synthesis of single-crystalline nanobelts of ternary bismuth oxide bromide with different compositions. <i>Chemical Communications</i> , 2003, , 2320.	2.2	68
35	Clusters of Group II-VI Materials: CdTe (i = 15). <i>Journal of Physical Chemistry A</i> , 2003, 107, 9918-9923.	1.1	22
36	Fluorescence Anisotropy and Crystal Structure of Individual Semiconductor Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7463-7471.	1.2	63
37	Controllable Assembly of Ordered Semiconductor Ag ₂ S Nanostructures. <i>Nano Letters</i> , 2003, 3, 85-88.	4.5	123
38	Single-Step Synthesis to Control the Photoluminescence Quantum Yield and Size Dispersion of CdSe Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2003, 107, 489-496.	1.2	346
39	Controlled synthesis of CdS nanorods and hexagonal nanocrystals. <i>Journal of Materials Chemistry</i> , 2003, 13, 2641.	6.7	131

#	ARTICLE	IF	CITATIONS
40	One-Pot Synthesis of Highly Luminescent CdSe/CdS Core-Shell Nanocrystals via Organometallic and Green-Chemical Approaches. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7454-7462.	1.2	357
41	In Situ Quantum Dot Growth on Multiwalled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2003, 125, 10342-10350.	6.6	164
42	Growth and morphology of cadmium chalcogenides: the synthesis of nanorods, tetrapods, and spheres from CdO and Cd(O ₂ CCH ₃) ₂ . <i>Journal of Materials Chemistry</i> , 2003, 13, 1705.	6.7	100
43	Controlled growth of Sb ₂ O ₅ nanoparticles and their use as polymer electrolyte fillers. <i>Journal of Materials Chemistry</i> , 2003, 13, 1994-1998.	6.7	25
44	Photovoltaic Devices Using Blends of Branched CdSe Nanoparticles and Conjugated Polymers. <i>Nano Letters</i> , 2003, 3, 961-963.	4.5	625
45	Solventless Synthesis of Copper Sulfide Nanorods by Thermolysis of a Single Source Thiolate-Derived Precursor. <i>Journal of the American Chemical Society</i> , 2003, 125, 5638-5639.	6.6	309
46	Controllable CVD route to CoS and MnS single-crystal nanowires Electronic supplementary information (ESI) available: morphology of as-prepared MnS nanowires. See http://www.rsc.org/suppdata/cc/b3/b307452h/ . <i>Chemical Communications</i> , 2003, , 2498.	2.2	45
47	Chemisorption on nickel nanoparticles of various shapes: Influence on magnetism. <i>Journal of Applied Physics</i> , 2003, 94, 6358-6365.	1.1	96
48	<title>Coherent excitation of vibrational modes in nanoparticles and nanorods: what do we really measure?</title>. , 2003, , .		0
49	An Easy Method to Prepare Nanowire. <i>Chemistry Letters</i> , 2003, 32, 594-595.	0.7	13
50	Fabrication of Inorganic Nanocomposites Using Self-Assembly and Sol-Gel Processing. , 2004, , 247-272.		0
51	Polarization Surface-Charge Density of Single Semiconductor Quantum Rods. <i>Physical Review Letters</i> , 2004, 92, 216803.	2.9	54
52	Solution Phase Synthesis of Semiconductor Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2004, 848, 394.	0.1	0
53	Self-Organization of Semiconductor Quantum Nanocrystals on Carbon Single-Wall Nanotubes into Close-Packed Linear Arrays. <i>Materials Research Society Symposia Proceedings</i> , 2004, 858, 7.	0.1	0
54	HgTe, CdTe, (Cd,Hg)Te, Cd(Te,Se), Cd(Te,S), ZnTe, HgSe, CdSe, Cd(Se,S), (Cd,Mn)Se, (Cd,Zn)Se quantum dots-nanocrystals. , 0, , 220-283.		1
56	Colloidal nanocrystal heterostructures with linear and branched topology. <i>Nature</i> , 2004, 430, 190-195.	13.7	1,127
57	A facile method to prepare PbS nanorods. <i>Materials Research Bulletin</i> , 2004, 39, 1999-2005.	2.7	19
58	Conjugated Oligothiophene-Dendron-Capped CdSe Nanoparticles: Synthesis and Energy Transfer. <i>Chemistry of Materials</i> , 2004, 16, 5187-5193.	3.2	92

#	ARTICLE	IF	CITATIONS
59	The Effect of Organic Ligand Binding on the Growth of CdSe Nanoparticles Probed by Ab Initio Calculations. <i>Nano Letters</i> , 2004, 4, 2361-2365.	4.5	301
60	SYNTHESIS ROUTES FOR LARGE VOLUMES OF NANOPARTICLES. <i>Annual Review of Materials Research</i> , 2004, 34, 41-81.	4.3	326
61	Semiconductor Nanoparticles. <i>Nanostructure Science and Technology</i> , 2004, , 29-52.	0.1	5
62	Seeded High Yield Synthesis of Short Au Nanorods in Aqueous Solution. <i>Langmuir</i> , 2004, 20, 6414-6420.	1.6	1,293
63	Shape-controlled synthesis of yttria nanocrystals under hydrothermal conditions. <i>Physica Status Solidi A</i> , 2004, 201, 3055-3059.	1.7	35
64	Preparation of Ag ₂ S Nanocrystals of Predictable Shape and Size. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5685-5689.	7.2	149
65	In-Situ Growth of Fused, Ozonized Single-Walled Carbon Nanotubes-CdTe Quantum Dot Junctions. <i>Advanced Materials</i> , 2004, 16, 34-37.	11.1	50
67	Selective Synthesis and Characterization of Single-Crystal Silver Molybdate/Tungstate Nanowires by a Hydrothermal Process. <i>Chemistry - A European Journal</i> , 2004, 10, 218-223.	1.7	147
68	Growth of single-crystal magnetite nanowires from Fe ₃ O ₄ nanoparticles in a surfactant-free hydrothermal process. <i>Solid State Communications</i> , 2004, 132, 375-378.	0.9	49
69	Synthesis of gallium borate nanowires. <i>Journal of Crystal Growth</i> , 2004, 263, 504-509.	0.7	12
70	Hydrothermal synthesis and characterization of hexagonal and monoclinic neodymium orthophosphate single-crystal nanowires. <i>Journal of Solid State Chemistry</i> , 2004, 177, 781-785.	1.4	33
71	Controlled synthesis of single-crystalline Mg(OH) ₂ nanotubes and nanorods via a solvothermal process. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2329-2338.	1.4	57
72	A multiple injection method for exerting kinetic control in the synthesis of CdSe nanorods Electronic supplementary information (ESI) available: multiple injection synthesis procedure. See http://www.rsc.org/suppdata/cc/b4/b409972a/ . <i>Chemical Communications</i> , 2004, , 2084.	2.2	33
73	Synthesis and magnetoresistance measurement of tellurium microtubes. <i>Journal of Materials Chemistry</i> , 2004, 14, 244.	6.7	60
74	Formation of CdSe nanocrystals onto oxidized, ozonized single-walled carbon nanotube surfaces Electronic supplementary information (ESI) available: additional HRTEM images; discussion of FT-IR and UV-visible-near IR data; XPS spectra. See http://www.rsc.org/suppdata/cc/b4/b404204b/ . <i>Chemical Communications</i> , 2004, , 1866.	2.2	48
75	Magnetic nanoparticles through organometallic synthesis: evolution of the magnetic properties from isolated nanoparticles to organised nanostructures. <i>Faraday Discussions</i> , 2004, 125, 265.	1.6	38
76	Synthesis of CdSe magic-sized nanocluster and its effect on nanocrystal preparation in a microfluidic reactor. <i>Journal of Materials Research</i> , 2004, 19, 3157-3161.	1.2	26
77	Size Dependent Femtosecond Electron Cooling Dynamics in CdSe Quantum Rods. <i>Nano Letters</i> , 2004, 4, 1089-1092.	4.5	52

#	ARTICLE	IF	CITATIONS
78	Growth Kinetics and Metastability of Monodisperse Tetraoctylammonium Bromide Capped Gold Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2004, 108, 193-199.	1.2	94
79	Solution-Based Straight and Branched CdSe Nanowires. <i>Chemistry of Materials</i> , 2004, 16, 5260-5272.	3.2	214
80	Fabrication of CdS Micropatterns: Effects of Intermolecular Hydrogen Bonding and Decreasing Capping Ligand. <i>Crystal Growth and Design</i> , 2004, 4, 355-359.	1.4	40
81	Controlled Synthesis of V-shaped SnO ₂ Nanorods. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13589-13593.	1.2	65
82	Clusters of II-VI Materials: CdX ₂ , X = S, Se, Te. 16. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10502-10508.	1.1	56
83	General, Room-Temperature Method for the Synthesis of Isolated as Well as Arrays of Single-Crystalline ABO ₄ -Type Nanorods. <i>Journal of the American Chemical Society</i> , 2004, 126, 15245-15252.	6.6	85
84	In Situ Observation of the Nucleation and Growth of CdSe Nanocrystals. <i>Nano Letters</i> , 2004, 4, 465-469.	4.5	196
85	The influence of solvent on CuInS ₂ semiconductor nanocrystals synthesis and growth under solvothermal conditions. , 0, , .		0
86	Controlled synthesis of monodispersed CuO nanocrystals. <i>Nanotechnology</i> , 2004, 15, 37-42.	1.3	167
87	Employing End-Functional Polythiophene To Control the Morphology of Nanocrystal-Polymer Composites in Hybrid Solar Cells. <i>Journal of the American Chemical Society</i> , 2004, 126, 6550-6551.	6.6	440
88	Hierarchical oxide nanostructures. <i>Journal of Materials Chemistry</i> , 2004, 14, 770.	6.7	95
89	Controlled synthesis and characterization of large-scale, uniform Dy(OH) ₃ and Dy ₂ O ₃ single-crystal nanorods by a hydrothermal method. <i>Nanotechnology</i> , 2004, 15, 1307-1311.	1.3	58
90	Mixed ligand system of cysteine and thioglycolic acid assisting in the synthesis of highly luminescent water-soluble CdTe nanorods Electronic supplementary information (ESI) available: instrumentation, discussion of dipole attraction, XRD pattern of CdTe nanorods and TEM image of CdTe nanowires. See http://www.rsc.org/suppdata/cc/b4/b405623/jl . <i>Chemical Communications</i> , 2004, , 1740.	2.2	109
91	Colloidal ZnSe, ZnSe/ZnS, and ZnSe/ZnSeS Quantum Dots Synthesized from ZnO. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17119-17123.	1.2	143
92	Ligand-Controlling Synthesis and Ordered Assembly of ZnS Nanorods and Nanodots. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16002-16011.	1.2	165
93	One-Pot Synthesis of High-Quality Zinc-Blende CdS Nanocrystals. <i>Journal of the American Chemical Society</i> , 2004, 126, 14336-14337.	6.6	335
94	Influence of Thiol Capping on the Exciton Luminescence and Decay Kinetics of CdTe and CdSe Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17393-17397.	1.2	474
95	Shape Evolution of One-Dimensional Single-Crystalline ZnO Nanostructures in a Microemulsion System. <i>Crystal Growth and Design</i> , 2004, 4, 309-313.	1.4	67

#	ARTICLE	IF	CITATIONS
96	Particle-Rod Hybrids: Growth of Arachidic Acid Molecular Rods from Capped Cadmium Selenide Nanoparticles. <i>Journal of the American Chemical Society</i> , 2004, 126, 16290-16291.	6.6	15
97	Charge transfer and recombination at conjugated polymer-semiconductor nanoparticle interfaces. , 2004, 5513, 76.		2
98	Selective Synthesis of Wurtzite CdSe Nanorods and Zinc Blend CdSe Nanoparticles through Solvothermal Routes. <i>Chemistry Letters</i> , 2004, 33, 1162-1163.	0.7	7
99	A Facile Synthesis of CdSe and CdTe Nanorods Assisted by Myristic Acid. <i>Chemistry Letters</i> , 2004, 33, 836-837.	0.7	18
100	Changes in the electronic energy structure of CdSe nanocrystals of close-packed array by in situ anneal. <i>Applied Surface Science</i> , 2005, 244, 92-95.	3.1	8
101	Control of ZnO morphologies via surfactants assisted route in the subcritical water. <i>Journal of Crystal Growth</i> , 2005, 280, 126-134.	0.7	63
102	CuO nanostructures prepared by a chemical method. <i>Journal of Crystal Growth</i> , 2005, 282, 105-111.	0.7	74
103	Shape-tailored photoluminescent intensity of red phosphor Y ₂ O ₃ :Eu ³⁺ . <i>Journal of Crystal Growth</i> , 2005, 284, 538-543.	0.7	104
104	Photoluminescence investigation of CdSe quantum dots and the surface state effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 27, 124-128.	1.3	41
105	Preparation and proton conductivity of monodisperse nanocrystals of pyrochlore-type antimonic acid and its niobium-substituted materials. <i>Electrochimica Acta</i> , 2005, 50, 3205-3209.	2.6	6
106	Multiexciton fluorescence from semiconductor nanocrystals. <i>Chemical Physics</i> , 2005, 318, 71-81.	0.9	78
107	Self-Assembled Monolayers of Thiolates on Metals as a Form of Nanotechnology. <i>Chemical Reviews</i> , 2005, 105, 1103-1170.	23.0	7,419
108	CdSe Nano-tetrapods: Controllable Synthesis, Structure Analysis, and Electronic and Optical Properties. <i>Chemistry of Materials</i> , 2005, 17, 5263-5267.	3.2	114
109	Applications of Quantum Dots in Biology: An Overview. , 2005, 303, 001-018.		34
110	The use of heat transfer fluids in the synthesis of high-quality CdSe quantum dots, core/shell quantum dots, and quantum rods. <i>Nanotechnology</i> , 2005, 16, 2000-2011.	1.3	91
111	Chemistry and Properties of Nanocrystals of Different Shapes. <i>Chemical Reviews</i> , 2005, 105, 1025-1102.	23.0	6,821
112	A Safer, Easier, Faster Synthesis for CdSe Quantum Dot Nanocrystals. <i>Journal of Chemical Education</i> , 2005, 82, 1697.	1.1	176
113	Synthesis and Characterization of Cadmium Selenide Nanorods Via Surfactant-Assisted Hydrothermal Method. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1643-1646.	1.9	34

#	ARTICLE	IF	CITATIONS
114	Synthesis of nanowires, nanorods and nanoparticles of ZnO through modulating the ratio of water to methanol by using a mild and simple solution method. <i>Materials Chemistry and Physics</i> , 2005, 89, 326-331.	2.0	75
115	Microwave-assisted synthesis of barium molybdate by a citrate complex method and oriented aggregation. <i>Materials Research Bulletin</i> , 2005, 40, 1468-1476.	2.7	70
116	Patterning of Semiconductor Nanoparticles via Microcontact Printing. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3729-3733.	1.0	20
117	Architectural Control of Hierarchical Nanobelt Superstructures in Catanionic Reverse Micelles. <i>Advanced Functional Materials</i> , 2005, 15, 442-450.	7.8	131
118	Spontaneous Transformation of Stabilizer-Depleted Binary Semiconductor Nanoparticles into Selenium and Tellurium Nanowires. <i>Advanced Materials</i> , 2005, 17, 358-363.	11.1	137
119	Ordered Two- and Three-Dimensional Arrays Self-Assembled from Water-Soluble Nanocrystal-Micelles. <i>Advanced Materials</i> , 2005, 17, 2587-2590.	11.1	80
120	Synthesis, Assembly and Reactivity of Metallic Nanorods. , 2005, , 285-307.		1
121	Crystal Structures, Anisotropic Growth, and Optical Properties: Controlled Synthesis of Lanthanide Orthophosphate One-Dimensional Nanomaterials. <i>Chemistry - A European Journal</i> , 2005, 11, 2183-2195.	1.7	215
122	A New Two-Phase Route to High-Quality CdS Nanocrystals. <i>Chemistry - A European Journal</i> , 2005, 11, 3843-3848.	1.7	72
123	Polyol-mediated synthesis of single-crystal tellurium nanowires directly from polycrystalline powder. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 1443-1445.	1.1	11
124	Promising avenues of research in nanoscience: chemistry of semiconductor nanoparticles. <i>Russian Chemical Bulletin</i> , 2005, 54, 827-852.	0.4	44
125	Template-Free Hydrothermal Synthesis of Single-Crystalline Barium Titanate and Strontium Titanate Nanowires. <i>Small</i> , 2005, 1, 1172-1176.	5.2	119
126	Controlled Synthesis of High Quality Semiconductor Nanocrystals. , 0, , 79-119.		43
127	Solution methods for synthesis of various oxide nanostructures. , 2005, , .		0
128	Hybrid nanocomposites based on CdS and CdSe colloidal nanocrystals in organic polymers. , 2005, , .		5
129	Current oscillations, switching, and hysteresis in CdSe nanorod superlattices. <i>Physical Review B</i> , 2005, 72, .	1.1	12
130	Unique gold sponges: biopolymer-assisted hydrothermal synthesis and potential application as surface-enhanced Raman scattering substrates. <i>Nanotechnology</i> , 2005, 16, 2530-2535.	1.3	29
131	Helical CdS nanowire ropes by simple aqueous chemical growth. <i>Applied Physics Letters</i> , 2005, 87, 193109.	1.5	14

#	ARTICLE	IF	CITATIONS
132	Study of the internal structure of individual CdSe quantum rods using electron nanodiffraction. Applied Physics Letters, 2005, 86, 013101.	1.5	8
133	Nanosize Semiconductors for Photooxidation. Critical Reviews in Solid State and Materials Sciences, 2005, 30, 153-182.	6.8	109
134	Synchrotron x-ray scattering of ZnO nanorods: Periodic ordering and lattice size. Journal of Materials Research, 2005, 20, 1033-1041.	1.2	18
135	Cadmium and Lead Thiosemicarbazide Complexes: Precursors for the Synthesis of CdS Nanorods and PbS nanoparticles. Materials Research Society Symposia Proceedings, 2005, 879, 1.	0.1	5
136	Silica-Sheathed Pyrrhotite Nanowires: Synthesis and Mechanism. Journal of Physical Chemistry B, 2005, 109, 11585-11591.	1.2	16
137	Vertically segregated hybrid blends for photovoltaic devices with improved efficiency. Journal of Applied Physics, 2005, 97, 014914.	1.1	251
138	Synthesis of classes of ternary metal oxide nanostructures. Chemical Communications, 2005, , 5721.	2.2	163
139	Shape-Controlled Synthesis of CdS Nanocrystals in Mixed Solvents. Crystal Growth and Design, 2005, 5, 1801-1806.	1.4	93
140	Self-Organization of Nanocrystals in Polymer Brushes. Application in Heterojunction Photovoltaic Diodes. Nano Letters, 2005, 5, 1653-1657.	4.5	146
142	Surfactant-free hydrothermal synthesis of lithium aluminate microbricks and nanorods from aluminium oxide nanoparticles. Chemical Communications, 2005, , 4471.	2.2	6
143	Selective Synthesis of Hexagonal and Tetragonal Dysprosium Orthophosphate Nanorods by a Hydrothermal Method. Crystal Growth and Design, 2005, 5, 1221-1225.	1.4	38
144	Shape and size control of Ag ₂ Se nanocrystals from a single precursor [(Ph ₃ P) ₃ Ag ₂ (SeC(O)Ph) ₂]. Chemical Communications, 2005, , 3820.	2.2	55
145	Morphology-controlled large-scale synthesis of ZnO nanocrystals from bulk ZnO. Chemical Communications, 2005, , 1158.	2.2	51
146	Coating single-walled carbon nanotubes with cadmium chalcogenides. Journal of Materials Chemistry, 2005, 15, 4346.	6.7	25
147	Enhancing the Photoluminescence of Peptide-Coated Nanocrystals with Shell Composition and UV Irradiation. Journal of Physical Chemistry B, 2005, 109, 1669-1674.	1.2	57
148	Solventless Synthesis of Bi ₂ S ₃ (Bismuthinite) Nanorods, Nanowires, and Nanofabric. Chemistry of Materials, 2005, 17, 1655-1660.	3.2	199
149	Fe ₂ O ₃ /VI Sulfide Nanocrystal Heterojunctions. Journal of the American Chemical Society, 2005, 127, 10269-10275.	6.6	249
150	Subsecond Luminescence Intensity Fluctuations of Single CdSe Quantum Dots. Journal of Physical Chemistry B, 2005, 109, 14350-14355.	1.2	55

#	ARTICLE	IF	CITATIONS
151	Synthesis, Photoluminescence, and Adsorption of CdS/Dendrimer Nanocomposites. Journal of Physical Chemistry B, 2005, 109, 230-239.	1.2	91
152	In Situ One-Pot Synthesis of 1-Dimensional Transition Metal Oxide Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 5389-5391.	1.2	137
153	Shape and Phase Control of Colloidal ZnSe Nanocrystals. Chemistry of Materials, 2005, 17, 1296-1306.	3.2	220
154	First-Principles Modeling of Unpassivated and Surfactant-Passivated Bulk Facets of Wurtzite CdSe: A Model System for Studying the Anisotropic Growth of CdSe Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 6183-6192.	1.2	280
155	Synthesis of Platinum Multipods: An Induced Anisotropic Growth. Nano Letters, 2005, 5, 885-891.	4.5	272
156	Single-Source Precursor Route for the Synthesis of EuS Nanocrystals. Chemistry of Materials, 2005, 17, 3451-3456.	3.2	145
157	Solubility-Controlled Synthesis of High-Quality Co ₃ O ₄ Nanocrystals. Chemistry of Materials, 2005, 17, 4023-4030.	3.2	256
158	Electroluminescence from a Single-Nanocrystal Transistor. Nano Letters, 2005, 5, 2257-2261.	4.5	56
159	Electric Field Induced Switching of the Fluorescence of Single Semiconductor Quantum Rods. Nano Letters, 2005, 5, 1581-1586.	4.5	130
160	Systematic Study of the Photoluminescence Dependence of Thiol-Capped CdTe Nanocrystals on the Reaction Conditions. Journal of Physical Chemistry B, 2005, 109, 17467-17473.	1.2	219
161	Optimization of High-Yield Biological Synthesis of Single-Crystalline Gold Nanoplates. Journal of Physical Chemistry B, 2005, 109, 15256-15263.	1.2	197
162	Synthesis of Square Bi ₂ WO ₆ Nanoplates as High-Activity Visible-Light-Driven Photocatalysts. Chemistry of Materials, 2005, 17, 3537-3545.	3.2	873
163	Microwave approach for the synthesis of rhabdophane-type lanthanide orthophosphate (Ln = La, Ce,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 733.	1.4	106
164	CdSe single-nanoparticle based active tips for near-field optical microscopy. Nanotechnology, 2005, 16, 613-618.	1.3	34
165	Precursor Routes to Semiconductor Quantum Dots. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 689-712.	0.8	25
166	Selective Growth of PbSe on One or Both Tips of Colloidal Semiconductor Nanorods. Nano Letters, 2005, 5, 445-449.	4.5	228
167	Synthesis of Quantum-Sized Cubic ZnS Nanorods by the Oriented Attachment Mechanism. Journal of the American Chemical Society, 2005, 127, 5662-5670.	6.6	443
168	Synthesis kinetics of CdSe quantum dots in trioctylphosphine oxide and in stearic acid. Applied Physics Letters, 2005, 86, 171915.	1.5	18

#	ARTICLE	IF	CITATIONS
169	Symmetry-Controlled Colloidal Nanocrystals: A Nonhydrolytic Chemical Synthesis and Shape Determining Parameters. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14795-14806.	1.2	268
170	Phosphine-Free Synthesis of CdSe Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20665-20668.	1.2	225
171	Synthesis of High Quality Zinc Blende CdSe Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10533-10537.	1.2	144
172	Attachment-Driven Morphology Evolvement of Rectangular ZnO Nanowires. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8786-8790.	1.2	85
173	Synthesis of Hexagonal BaTa ₂ O ₆ Nanorods and Influence of Defects on the Photocatalytic Activity. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25825-25832.	1.2	65
174	Synthesis of CdSe/CdTe Nanobarbells. <i>Journal of the American Chemical Society</i> , 2006, 128, 12590-12591.	6.6	168
175	Oriented Attachment-Based Assembly of Dendritic Silver Nanostructures at Room Temperature. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23234-23241.	1.2	110
176	Thermal decomposition of single source precursors and the shape evolution of CdS and CdSe nanocrystals. <i>Journal of Materials Chemistry</i> , 2006, 16, 467-473.	6.7	60
178	Platinum nanodendrites. <i>Nanotechnology</i> , 2006, 17, 1300-1308.	1.3	44
179	Facile and Large-Scale Production of ZnO/Zn-Al Layered Double Hydroxide Hierarchical Heterostructures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21865-21872.	1.2	80
180	Quenching of Photoluminescence in Conjugates of Quantum Dots and Single-Walled Carbon Nanotube. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26068-26074.	1.2	133
181	Infrared photodiode based on colloidal PbSe nanocrystal quantum dots. <i>IEEE Nanotechnology Magazine</i> , 2006, 5, 362-367.	1.1	37
182	Improved efficiency of photovoltaics based on CdSe nanorods and poly(3-hexylthiophene) nanofibers. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3557.	1.3	205
183	Density Functional Theory Study of Ligand Binding on CdSe (0001), (0001 $\bar{1}$), and (112 $\bar{1}$,0) Single Crystal Relaxed and Reconstructed Surfaces: Implications for Nanocrystalline Growth. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18007-18016.	1.2	152
184	Synthesis of high quality zinc-blende CdSe nanocrystals and their application in hybrid solar cells. <i>Nanotechnology</i> , 2006, 17, 4736-4742.	1.3	140
185	High-Quality Sodium Rare-Earth Fluoride Nanocrystals: Controlled Synthesis and Optical Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 6426-6436.	6.6	1,374
186	Rotational and Translational Diffusion of Peptide-Coated CdSe/CdS/ZnS Nanorods Studied by Fluorescence Correlation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 1639-1647.	6.6	117
187	Selected-Control Hydrothermal Synthesis and Formation Mechanism of Monazite- and Zircon-Type LaVO ₄ Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23247-23254.	1.2	86

#	ARTICLE	IF	CITATIONS
188	Synthetic architecture of interior space for inorganic nanostructures. <i>Journal of Materials Chemistry</i> , 2006, 16, 649-662.	6.7	457
189	Controlled synthesis of novel 3D dendritic Bi ₂ S ₃ /cross-linked poly(vinyl alcohol) nanocomposites. <i>Nanotechnology</i> , 2006, 17, 4999-5005.	1.3	8
190	Self-Assembly of Linear Arrays of Semiconductor Nanoparticles on Carbon Single-Walled Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25153-25157.	1.2	26
191	Phase-Selective Synthesis of Copper Sulfide Nanocrystals. <i>Chemistry of Materials</i> , 2006, 18, 6170-6177.	3.2	126
192	Hydrothermal growth and gas sensing property of flower-shaped SnS ₂ nanostructures. <i>Nanotechnology</i> , 2006, 17, 2918-2924.	1.3	183
193	Shape-Controlled Synthesis of Ternary Chalcogenide ZnIn ₂ S ₄ and CuIn(S,Se) ₂ Nano-/Microstructures via Facile Solution Route. <i>Journal of the American Chemical Society</i> , 2006, 128, 7222-7229.	6.6	397
194	Homogeneously Alloyed CdS _x Se _{1-x} Nanocrystals: Synthesis, Characterization, and Composition/Size-Dependent Band Gap. <i>Journal of the American Chemical Society</i> , 2006, 128, 12299-12306.	6.6	294
195	Synthesis, properties and perspectives of hybrid nanocrystal structures. <i>Chemical Society Reviews</i> , 2006, 35, 1195.	18.7	855
196	Photoinduced Charge Transfer and Efficient Solar Energy Conversion in a Blend of a Red Polyfluorene Copolymer with CdSe Nanoparticles. <i>Nano Letters</i> , 2006, 6, 1789-1793.	4.5	160
197	Bilateral, Difunctional Nanosphere Aggregates and Their Assembly Mediated by Polymer Chains. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4538-4542.	1.1	6
198	Fluorescence Blinking Statistics from CdSe Core and Core/Shell Nanorods. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23221-23227.	1.2	106
199	Self-Organized Hierarchical ZnS/SiO ₂ Nanowire Heterostructures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7199-7202.	1.2	50
200	Formation of Orientation-Ordered Superlattices of Magnetite Magnetic Nanocrystals from Shape-Segregated Self-Assemblies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25547-25550.	1.2	66
201	Large-Scale Synthesis of Perpendicular Side-Faceted One-Dimensional ZnO Nanocrystals. <i>Inorganic Chemistry</i> , 2006, 45, 4186-4190.	1.9	42
202	Synthesis, Characterization, and Self-Assembly of Pencil-Shaped CoO Nanorods. <i>Journal of the American Chemical Society</i> , 2006, 128, 9753-9760.	6.6	201
203	Shape Control of PbSe Nanocrystals Using Noble Metal Seed Particles. <i>Nano Letters</i> , 2006, 6, 709-714.	4.5	103
204	Growth Mechanism of Penniform BaWO ₄ Nanostructures in Catanionic Reverse Micelles Involving Polymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 748-753.	1.2	64
205	Synthesis and Evolution of PbS Nanocrystals through a Surfactant-Assisted Solvothermal Route. <i>Journal of Physical Chemistry B</i> , 2006, 110, 184-189.	1.2	58

#	ARTICLE	IF	CITATIONS
206	Spontaneous Transformation of CdTe Nanoparticles into Angled Te Nanocrystals: From Particles and Rods to Checkmarks, X-Marks, and Other Unusual Shapes. <i>Journal of the American Chemical Society</i> , 2006, 128, 6730-6736.	6.6	89
207	Systematic Synthesis and Characterization of Single-Crystal Lanthanide Phenylphosphonate Nanorods. <i>Inorganic Chemistry</i> , 2006, 45, 1201-1207.	1.9	37
208	Self-Corralling Nanorods under an Applied Electric Field. <i>Nano Letters</i> , 2006, 6, 2066-2069.	4.5	213
209	The Concept of Delayed Nucleation in Nanocrystal Growth Demonstrated for the Case of Iron Oxide Nanodisks. <i>Journal of the American Chemical Society</i> , 2006, 128, 1675-1682.	6.6	240
210	Soft Synthesis of Inorganic Nanorods, Nanowires, and Nanotubes. , 2006, , 101-158.		1
211	Manipulation of Aqueous Growth of CdTe Nanocrystals To Fabricate Colloidally Stable One-Dimensional Nanostructures. <i>Journal of the American Chemical Society</i> , 2006, 128, 10171-10180.	6.6	191
212	One-step Preparation of ZnSe Nanorod Aggregates. <i>Chemistry Letters</i> , 2006, 35, 1186-1187.	0.7	1
213	Shape Control of II-VI Semiconductor Nanomaterials. <i>Small</i> , 2006, 2, 316-329.	5.2	365
214	Effect of the Orientation of CdSe Nanorods on the Electron Mobility of CdSe/P4VP Nanodomains Self-Assembled within a Poly(styrene-b-4-vinylpyridine) Diblock Copolymer Thin Film. <i>Small</i> , 2006, 2, 359-363.	5.2	8
215	Design and Synthesis of Colloidal Nanocrystal Heterostructures with Tetrapod Morphology. <i>Small</i> , 2006, 2, 1454-1457.	5.2	76
216	Luminescence studies of heat treatment influence on size distribution of CdTe nanocrystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 1074-1077.	0.8	1
217	Synthesis and perspectives of complex crystalline nano-structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1329-1336.	0.8	10
218	Transformation behavior of layered LaOCl to La(OH) ₃ nanostructures in water. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 133, 77-83.	1.7	8
219	Growth mechanism of ZnO nanocrystals with Zn-rich from dots to rods. <i>Journal of Colloid and Interface Science</i> , 2006, 298, 172-176.	5.0	13
220	Synthesis and characterization of photoluminescent In-doped CdSe nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 591-596.	5.0	15
221	Fabrication of CdSe composite by using the amphiphilic block copolymer as template. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 402-407.	5.0	8
222	A solvothermal route to size- and shape-controlled CdSe and CdTe nanocrystals. <i>Journal of Crystal Growth</i> , 2006, 286, 83-90.	0.7	65
223	From Cd(OH) ₂ nanoflakes to CdSe nanochains: Synthesis and characterization. <i>Journal of Crystal Growth</i> , 2006, 286, 228-234.	0.7	23

#	ARTICLE	IF	CITATIONS
224	Synthesis of monodisperse CdSe nanocrystals directly open to air: Monomer reactivity tuned by the selenium ligand. <i>Journal of Crystal Growth</i> , 2006, 292, 14-18.	0.7	17
225	Studies on the morphologies of LiCoO ₂ films prepared by soft solution processing. <i>Journal of Crystal Growth</i> , 2006, 293, 382-386.	0.7	10
226	Structural characterization of CdSe nanorods. <i>Journal of Crystal Growth</i> , 2006, 293, 203-208.	0.7	16
227	Effect of surface capping molecules on the electronic structure of CdSe nanocrystal film. <i>Thin Solid Films</i> , 2006, 494, 207-210.	0.8	11
228	Synthesis of Hybrid CdS@Au Colloidal Nanostructures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25421-25429.	1.2	315
229	First principles study of CdSe quantum dots: Stability, surface saturations, and experimental validation. <i>Applied Physics Letters</i> , 2006, 88, 231910.	1.5	67
230	Synthesis, structure and properties of metal nanoclusters. <i>Chemical Society Reviews</i> , 2006, 35, 1162.	18.7	650
231	Colloidal CdSe Nanocrystals Synthesized in Noncoordinating Solvents with the Addition of a Secondary Ligand: An Exceptional Growth Kinetics. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16508-16513.	1.2	37
232	Selectively hydrothermal and solvothermal growth of CdS nanospheres and nanorods: a facile way to tune finely optical properties. <i>Journal of Materials Science</i> , 2006, 41, 1449-1454.	1.7	31
233	Hydrothermal synthesis of single-crystal ZnS nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 84, 409-412.	1.1	56
234	Synthesis of CdS _x Se _{1-x} nanorods via a solvothermal route. <i>Materials Research Bulletin</i> , 2006, 41, 99-109.	2.7	18
235	Fabrication of octahedral magnetite microcrystals. <i>Materials Letters</i> , 2006, 60, 2979-2983.	1.3	68
236	Control of Metal-Ion Composition in the Synthesis of Ternary II-III-VI Nanoparticles by Using a Mixed-Metal Cluster Precursor Approach. <i>Chemistry - A European Journal</i> , 2006, 12, 1547-1554.	1.7	39
237	A Simple Hydrothermal Method for the Large-Scale Synthesis of Single-Crystal Potassium Tungsten Bronze Nanowires. <i>Chemistry - A European Journal</i> , 2006, 12, 7717-7723.	1.7	79
238	Ligand-Selective Aqueous Synthesis of One-Dimensional CdTe Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 748-751.	7.2	104
239	Synthesis, Stability, and Surface Plasmonic Properties of Rhodium Multipods, and Their Use as Substrates for Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1288-1292.	7.2	135
240	Shape Control of Semiconductor and Metal Oxide Nanocrystals through Nonhydrolytic Colloidal Routes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3414-3439.	7.2	1,075
241	Multisegmented One-Dimensional Nanorods Prepared by Hard-Template Synthetic Methods. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2672-2692.	7.2	492

#	ARTICLE	IF	CITATIONS
242	Synthesis, Optical Properties, and Self-Assembly of Ultrathin Hexagonal In ₂ S ₃ Nanoplates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4608-4612.	7.2	150
243	Crystalline Nanoflowers with Different Chemical Compositions and Physical Properties Grown by Limited Ligand Protection. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5361-5364.	7.2	163
250	Band-Edge Photoluminescence Recovery from Zinc-Blende CdSe Nanocrystals Synthesized at Room Temperature. <i>Advanced Functional Materials</i> , 2006, 16, 345-350.	7.8	18
251	High-Yield Fabrication and Electrochemical Characterization of Tetrapodal CdSe, CdTe, and Cd _x Te _{1-x} Nanocrystals. <i>Advanced Functional Materials</i> , 2006, 16, 1705-1716.	7.8	212
252	Synthesis of Nearly Monodisperse Iron Oxide and Oxyhydroxide Nanocrystals. <i>Advanced Functional Materials</i> , 2006, 16, 1805-1813.	7.8	325
253	Low-Temperature Synthesis of Star-Shaped PbS Nanocrystals in Aqueous Solutions of Mixed Cationic/Anionic Surfactants. <i>Advanced Materials</i> , 2006, 18, 359-362.	11.1	254
254	Vapor-Phase Synthesis and Characterization of μ -FeSi Nanowires. <i>Advanced Materials</i> , 2006, 18, 1437-1440.	11.1	87
255	Liquid-Solid Solution Synthesis of Biomedical Hydroxyapatite Nanorods. <i>Advanced Materials</i> , 2006, 18, 2031-2034.	11.1	183
256	Ambient Template-Directed Synthesis of Single-Crystalline Alkaline-Earth Metal Fluoride Nanowires. <i>Advanced Materials</i> , 2006, 18, 1895-1899.	11.1	68
257	Growth of CdSe Quantum Rods and Multipods Seeded by Noble-Metal Nanoparticles. <i>Advanced Materials</i> , 2006, 18, 1978-1982.	11.1	77
258	Anisotropic Growth of PbSe Nanocrystals on Au-Fe ₃ O ₄ Hybrid Nanoparticles. <i>Advanced Materials</i> , 2006, 18, 1889-1894.	11.1	93
259	Synthesis of InAs nanowires via a low-temperature solvothermal route. <i>Nanotechnology</i> , 2006, 17, 3416-3420.	1.3	18
260	Synthesis and characterization of colloidal ternary ZnCdSe semiconductor nanorods. <i>Journal of Chemical Physics</i> , 2006, 125, 164711.	1.2	44
261	Density Functional ab-initio study of passivated nonpolar wurtzite CdSe surfaces. , 2006, , .		0
262	Chapter 4 Modification and passivation of colloidal particles. <i>Studies in Interface Science</i> , 2006, , 225-292.	0.0	0
263	A controllable synthesis of multi-armed CdTe nanorods. <i>Nanotechnology</i> , 2006, 17, 1146-1149.	1.3	16
264	Tunable Photoluminescence of CdTe Nanocrystals over Wide Spectral Range via Microwave-assisted Surface Modification. <i>Chinese Journal of Chemical Physics</i> , 2007, 20, 495-499.	0.6	3
265	Preparation and Characterization of CdSe Nanoparticles Prepared by Using Ultrasonic Irradiation. <i>Key Engineering Materials</i> , 2007, 336-338, 2034-2036.	0.4	3

#	ARTICLE	IF	CITATIONS
266	Active drift compensation applied to nanorod manipulation with an atomic force microscope. Review of Scientific Instruments, 2007, 78, 115103.	0.6	14
267	Preparation and Characterization of CdSe Synthesized from Non-Aqueous Media. Key Engineering Materials, 2007, 336-338, 2030-2033.	0.4	0
268	Molecular ligands guide individual nanocrystals to a soft-landing alignment on surfaces. Physical Review B, 2007, 75, .	1.1	8
269	CdSe nanowires with illumination-enhanced conductivity: Induced dipoles, dielectrophoretic assembly, and field-sensitive emission. Journal of Applied Physics, 2007, 101, 073704.	1.1	52
270	Hydrothermal Synthesis of Rod-Like Copper Oxide Crystals. Materials Science Forum, 2007, 534-536, 77-80.	0.3	4
271	Preparation and Characterization of CdSe Nanoparticles Synthesized Using the Ultrasonic Irradiation. Solid State Phenomena, 2007, 124-126, 1229-1232.	0.3	2
272	Influence of pH on the Morphology of Yttrium Oxide Hydroxide Nitrate Nanocrystal. Key Engineering Materials, 2007, 336-338, 2176-2178.	0.4	2
273	Chemical Synthesis of Nanostructured Particles and Films. , 2007, , 3-46.		2
274	Synthetic Strategies to Size and Shape Controlled Nanocrystals and Nanocrystal Heterostructures. Advances in Experimental Medicine and Biology, 2007, 620, 1-17.	0.8	7
275	Synthesis of CdSe Nanocrystals in Coordinating and Noncoordinating Solvents: Solvent's Role in Evolution of the Optical and Structural Properties. Chemistry of Materials, 2007, 19, 5185-5193.	3.2	100
276	Kinetics of Monodisperse Iron Oxide Nanocrystal Formation by Heating-Up Process. Journal of the American Chemical Society, 2007, 129, 12571-12584.	6.6	407
277	In Situ Synthesis of CdTe/CdSe Core-Shell Quantum Dots. Chemistry of Materials, 2007, 19, 2715-2717.	3.2	44
278	Discrete size series of CdSe quantum dots: a combined computational and experimental investigation. Journal of Computer-Aided Materials Design, 2007, 14, 167-174.	0.7	11
279	Size- and Phase-Controlled Synthesis of Monodisperse NaYF ₄ :Yb,Er Nanocrystals from a Unique Delayed Nucleation Pathway Monitored with Upconversion Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 13730-13739.	1.5	256
280	Synthesis of Type II CdTe/CdSe Nanocrystal Heterostructured Multiple-Branched Rods and Their Photovoltaic Applications. Journal of Physical Chemistry C, 2007, 111, 6538-6543.	1.5	155
281	Controlled synthesis of lanthanide-doped NaYF ₄ upconversion nanocrystals via ligand induced crystal phase transition and silica coating. Applied Physics Letters, 2007, 91, 123103.	1.5	138
282	Facile synthesis of magic-sized CdSe and CdTe nanocrystals with tunable existence periods. Nanotechnology, 2007, 18, 405603.	1.3	33
283	Shape Control of CdS Nanocrystals in One-Pot Synthesis. Journal of Physical Chemistry C, 2007, 111, 2447-2458.	1.5	145

#	ARTICLE	IF	CITATIONS
284	Controlled Synthesis and Luminescence of Lanthanide Doped NaYF ₄ Nanocrystals. Chemistry of Materials, 2007, 19, 727-734.	3.2	520
285	Size-Tailored Synthesis and Luminescent Properties of One-Dimensional Gd ₂ O ₃ :Eu ³⁺ Nanorods and Microrods. Journal of Physical Chemistry C, 2007, 111, 18148-18154.	1.5	190
286	Fluorescent Magnetic Nanocrystals by Sequential Addition of Reagents in a One-Pot Reaction: A Simple Preparation for Multifunctional Nanostructures. Journal of the American Chemical Society, 2007, 129, 11928-11935.	6.6	168
287	Seedless, Surfactantless, High-Yield Synthesis of Branched Gold Nanocrystals in HEPES Buffer Solution. Chemistry of Materials, 2007, 19, 2823-2830.	3.2	382
288	Quantized Growth of CdTe Quantum Dots; Observation of Magic-Sized CdTe Quantum Dots. Journal of Physical Chemistry C, 2007, 111, 14977-14983.	1.5	135
289	Stoichiometric Ratio Dependent Photoluminescence Quantum Yields of the Thiol Capping CdTe Nanocrystals. Journal of Physical Chemistry C, 2007, 111, 5618-5621.	1.5	62
290	Synthesis and luminescence of CePO ₄ and CePO ₄ :Tb hollow and core-shell microspheres composed of single-crystal nanorods. Nanotechnology, 2007, 18, 415602.	1.3	21
291	Growth Kinetics of ZnO Nanocrystals: A Few Surprises. Journal of the American Chemical Society, 2007, 129, 4470-4475.	6.6	166
292	Synthesis and Characterization of CdSe Nanorods Functionalized with Regioregular Poly(3-hexylthiophene). Chemistry of Materials, 2007, 19, 3712-3716.	3.2	110
293	Ionic liquid passivated CdSe nanocrystals. Chemical Communications, 2007, , 574-576.	2.2	47
294	Twin-Related Branching of Solution-Grown ZnSe Nanowires. Chemistry of Materials, 2007, 19, 4943-4948.	3.2	55
295	Synthesis and Cathodoluminescence of Morphology-Tunable SiO ₂ Nanotubes and ZnS/SiO ₂ Core-Shell Structures Using CdSe Nanocrystals as the Seeds. Journal of Physical Chemistry C, 2007, 111, 11604-11611.	1.5	38
296	Design and Fabrication of Rocketlike Tetrapodal CdS Nanorods by Seed-Epitaxial Metal-Organic Chemical Vapor Deposition. Crystal Growth and Design, 2007, 7, 488-491.	1.4	63
297	Tunable Visible-Light Emission from CdS Nanocrystallites Prepared under Microwave Irradiation. Journal of Physical Chemistry C, 2007, 111, 16734-16741.	1.5	52
298	Growth Dynamics of CdTe Nanoparticles in Liquid and Crystalline Phases. Journal of the American Chemical Society, 2007, 129, 7674-7679.	6.6	36
299	Nanocrystals to Nanorods: A Precursor Approach for the Synthesis of Magnesium Hydroxide Nanorods from Magnesium Oxychloride Nanorods Starting from Nanocrystalline Magnesium Oxide. Chemistry of Materials, 2007, 19, 5395-5403.	3.2	36
300	Shape Evolution of ZnTe Nanocrystals: Nanoflowers, Nanodots, and Nanorods. Chemistry of Materials, 2007, 19, 4670-4675.	3.2	70
301	Control of the Morphology of Complex Semiconductor Nanocrystals with a Type II Heterojunction, Dots vs Peanuts, by Thermal Cycling. Chemistry of Materials, 2007, 19, 3815-3821.	3.2	105

#	ARTICLE	IF	CITATIONS
302	Self-Organization of Te Nanorods into V-Shaped Assemblies: A Brownian Dynamics Study and Experimental Insights. ACS Nano, 2007, 1, 126-132.	7.3	20
303	Gold Nanoparticle Growth Monitored in situ Using a Novel Fast Optical Single-Particle Spectroscopy Method. Nano Letters, 2007, 7, 1664-1669.	4.5	89
304	Synthesis of Se nanospheres and PbSe nanoshells in solution under refluxing and stirring. Smart Materials and Structures, 2007, 16, 2350-2353.	1.8	12
305	Quantitative Study of the Effects of Surface Ligand Concentration on CdSe Nanocrystal Photoluminescence. Journal of Physical Chemistry C, 2007, 111, 6220-6227.	1.5	241
306	Solution-Liquid-Solid (SLS) Growth of ZnSe/ZnTe Quantum Wires having Axial Heterojunctions. Nano Letters, 2007, 7, 1308-1313.	4.5	128
307	CdSe Nanorods Functionalized with Thiol-Anchored Oligothiophenes. Journal of Physical Chemistry C, 2007, 111, 17184-17192.	1.5	39
308	Manipulation of the Morphology of ZnSe Sub-Micron Structures Using CdSe Nanocrystals as the Seeds. Journal of Physical Chemistry C, 2007, 111, 2980-2986.	1.5	49
309	Monodispersed ZnSe Colloidal Microspheres: Preparation, Characterization, and Their 2D Arrays. Langmuir, 2007, 23, 9008-9013.	1.6	38
310	Quantum Mazes: Luminescent Labyrinthine Semiconductor Nanocrystals Having a Narrow Emission Spectrum. ACS Nano, 2007, 1, 337-347.	7.3	10
311	A facile route to synthesize chalcopyrite CuInSe ₂ nanocrystals in non-coordinating solvent. Nanotechnology, 2007, 18, 025602.	1.3	113
312	Self-assembly of nanoparticles at interfaces. Soft Matter, 2007, 3, 1231.	1.2	512
313	Quantum Rod Bioconjugates as Targeted Probes for Confocal and Two-Photon Fluorescence Imaging of Cancer Cells. Nano Letters, 2007, 7, 761-765.	4.5	188
314	In ₂ O ₃ Nanocrystals with a Tunable Size in the Range of 4-10 nm: One-Step Synthesis, Characterization, and Optical Properties. Journal of Physical Chemistry C, 2007, 111, 18039-18043.	1.5	43
315	Synthesis and Characterization of Wavelength-Tunable, Water-Soluble, and Near-Infrared-Emitting CdHgTe Nanorods. Chemistry of Materials, 2007, 19, 1212-1214.	3.2	56
316	Synthesis of inorganic nanomaterials. Dalton Transactions, 2007, , 3728.	1.6	273
317	Semiconductor-polymer hybrid colloidal nanoparticles. Journal of Materials Chemistry, 2007, 17, 1284-1291.	6.7	17
318	Femtosecond Transient Absorption Studies in Cadmium Selenide Nanocrystal Thin Films Prepared by Chemical Bath Deposition Method. Journal of Nanomaterials, 2007, 2007, 1-7.	1.5	4
319	Synthesis of Monodisperse Spherical Nanocrystals. Angewandte Chemie - International Edition, 2007, 46, 4630-4660.	7.2	1,751

#	ARTICLE	IF	CITATIONS
320	Superparamagnetic Magnetite Colloidal Nanocrystal Clusters. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4342-4345.	7.2	914
323	Synthesis of NaYF ₄ Nanocrystals with Predictable Phase and Shape. <i>Advanced Functional Materials</i> , 2007, 17, 2757-2765.	7.8	270
324	Sequential Growth of Magic-Size CdSe Nanocrystals. <i>Advanced Materials</i> , 2007, 19, 548-552.	11.1	289
325	Controlled synthesis of various morphologies of nanostructured zinc oxide: flower, nanoplate, and urchin. <i>Crystal Research and Technology</i> , 2007, 42, 1002-1006.	0.6	61
326	A Kinetic Model for Nanocrystal Morphology Evolution. <i>ChemPhysChem</i> , 2007, 8, 703-711.	1.0	28
327	Rapid oxidation of InP nanoparticles in air. <i>Solid State Communications</i> , 2007, 141, 624-627.	0.9	28
328	Synthesis, surface studies, composition and structural characterization of CdSe, core/shell and biologically active nanocrystals. <i>Surface Science Reports</i> , 2007, 62, 111-157.	3.8	205
329	Self-assembled and fluorescence enhancement of semiconductor nanoparticles induced by surfactant adsorption. <i>Applied Surface Science</i> , 2007, 253, 5781-5784.	3.1	1
330	Highly efficient transfer of water-soluble ZnS:Mn ²⁺ nanocrystal into organic phase by 1-dodecanethiol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 296, 154-157.	2.3	7
331	Synthesis routes for the growth of complex nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 37, 128-133.	1.3	14
332	N,N'-Diisopropyl- and N,N'-dicyclohexylthiourea cadmium(II) complexes as precursors for the synthesis of CdS nanoparticles. <i>Polyhedron</i> , 2007, 26, 3947-3955.	1.0	30
333	Fluorescence enhancement in colloidal semiconductor nanocrystals by metallic nanopatterns. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 187-192.	4.0	34
334	Synthesis and characterization of CdSe nanorods using a novel microemulsion method at moderate temperature. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 771-778.	5.0	53
335	Single-crystalline PbCrO ₄ nanorods: Room temperature, surfactant free synthesis, characterization and optical property. <i>Journal of Crystal Growth</i> , 2007, 299, 86-93.	0.7	10
336	Surfactant-assisted solvothermal synthesis of Bi ₂ S ₃ nanorods. <i>Journal of Crystal Growth</i> , 2007, 306, 159-165.	0.7	26
337	Polymer Grafting from CdS Quantum Dots via AGET ATRP in Miniemulsion. <i>Small</i> , 2007, 3, 1230-1236.	5.2	100
338	Identification of Active Biomolecules in the High-Yield Synthesis of Single-Crystalline Gold Nanoplates in Algal Solutions. <i>Small</i> , 2007, 3, 672-682.	5.2	323
339	Drying Droplets: A Window into the Behavior of Nanorods at Interfaces. <i>Small</i> , 2007, 3, 1214-1217.	5.2	94

#	ARTICLE	IF	CITATIONS
340	Shape-Controlled Synthesis of CdSe Tetrapods Using Cationic Surfactant Ligands. <i>Small</i> , 2007, 3, 1164-1169.	5.2	96
341	CdSe Nanorod Synthesis: A New Approach. <i>Small</i> , 2007, 3, 1886-1888.	5.2	43
342	Surfactant- and Temperature- Controlled CdS Nanowire Formation. <i>Small</i> , 2007, 3, 1882-1885.	5.2	36
343	Characterization of CdS nanoparticles during their growth in paraffin hot-matrix. <i>Materials Characterization</i> , 2007, 58, 267-274.	1.9	9
344	A novel route to CdS nanocrystals with strong electrogenerated chemiluminescence. <i>Materials Chemistry and Physics</i> , 2007, 101, 317-321.	2.0	24
345	One pot synthesis of monodisperse Fe ₃ O ₄ nanocrystals by pyrolysis reaction of organometallic compound. <i>Materials Chemistry and Physics</i> , 2007, 106, 231-235.	2.0	42
346	Room temperature synthesis of BaCrO ₄ nanoplates through a NaCl-assisted aqueous solution method. <i>Materials Letters</i> , 2007, 61, 3146-3149.	1.3	11
347	Synthesis of high-luminescent cadmium sulfide nanocrystallites by a novel single-source precursor route. <i>Materials Letters</i> , 2007, 61, 3612-3615.	1.3	15
348	Hierarchical ZnO Nanostructures Obtained by Electrodeposition. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11560-11565.	1.5	155
349	Colloidal magnetic nanocrystals: synthesis, properties and applications. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2007, 103, 351.	4.4	46
350	Facile and Reproducible Synthesis of Red-Emitting CdSe Nanocrystals in Amine with Long-Term Fixation of Particle Size and Size Distribution. <i>Journal of Physical Chemistry C</i> , 2007, 111, 526-531.	1.5	83
351	Shape Dependence of Band-Edge Exciton Fine Structure in CdSe Nanocrystals. <i>Nano Letters</i> , 2007, 7, 3274-3280.	4.5	47
352	Ligand Control of Growth, Morphology, and Capping Structure of Colloidal CdSe Nanorods. <i>Chemistry of Materials</i> , 2007, 19, 2573-2580.	3.2	159
353	Controlled-synthesis, characterization, and magnetic properties of Fe ₃ O ₄ nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 529-532.	1.1	46
354	Selective Synthesis of Wurtzite CdSe Nanorods and Zinc Blend CdSe Nanocrystals through a Convenient Solvothermal Route. <i>Journal of Nanoparticle Research</i> , 2007, 9, 745-752.	0.8	25
355	Preparation and optical properties of blue-emitting colloidal CdS nanocrystallines by the solvothermal process using poly (ethylene oxide) as the stabilizer. <i>Colloid and Polymer Science</i> , 2007, 285, 1343-1349.	1.0	9
356	Ultrafast electronic dynamics of monodisperse PbS and CdS nanoparticles/nanorods: Effects of size on nonlinear relaxation. <i>Optical Materials</i> , 2007, 29, 858-866.	1.7	16
357	Size-tunable synthesis of tetrapod-like ZnS nanopods by seed-epitaxial metal-organic chemical vapor deposition. <i>Journal of Solid State Chemistry</i> , 2008, 181, 950-956.	1.4	21

#	ARTICLE	IF	CITATIONS
358	Kinetically restraining aggregation of ZnS nanocrystals and the effect on photocatalysis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 150, 116-120.	1.7	14
359	On the Chemical and Structural Rearrange of Hg-organyltellurolate Clusters: Synthesis, X-ray Characterization, TGA and Raman Evaluation of [(PhTe) ₆ (Ph ₃ P) ₂ Hg ₅ Cl ₄]·2THF and [(PhTe) ₈ Hg ₆ Py ₂ Cl ₄]·7Py (Py = pyridine). <i>Journal of Cluster Science</i> , 2008, 19, 459-469.		8
360	Preparation, characterization and photocatalytic properties of nanoplate Bi ₂ MoO ₆ catalysts. <i>Journal of Materials Science</i> , 2008, 43, 7026-7034.	1.7	89
361	Semiconductor quantum dots and metal nanoparticles: syntheses, optical properties, and biological applications. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2469-2495.	1.9	469
362	3-D characterization of CdSe nanoparticles attached to carbon nanotubes. <i>Nano Research</i> , 2008, 1, 89-97.	5.8	37
363	Growth of anisotropic platinum nanostructures catalyzed by gold seed nanoparticles. <i>Nano Research</i> , 2008, 1, 249-257.	5.8	19
364	A Simple Method to Synthesize Cadmium Hydroxide Nanobelts. <i>Nanoscale Research Letters</i> , 2008, 3, 284-288.	3.1	32
365	Synthesis and characterization of silver molybdate nanowires, nanorods and multipods. <i>Bulletin of Materials Science</i> , 2008, 31, 367-371.	0.8	40
366	Synthesis of silver nanoparticles by sophorolipids: Effect of temperature and sophorolipid structure on the size of particles. <i>Journal of Chemical Sciences</i> , 2008, 120, 515-520.	0.7	103
367	Dopant-Induced Formation of Branched CdS Nanocrystals. <i>Small</i> , 2008, 4, 951-955.	5.2	27
368	Growth Kinetics of Gold Nanocrystals: A Combined Small-Angle X-Ray Scattering and Calorimetric Study. <i>Small</i> , 2008, 4, 649-655.	5.2	47
369	Synthesis and Spectroscopic Characterization of Fluorescent Blue-Emitting Ultrastable CdSe Clusters. <i>Small</i> , 2008, 4, 883-887.	5.2	42
370	Large-Scale Synthesis of Single-Crystalline RE ₂ O ₃ (RE=Y, Dy, Ho, Er) Nanobelts by a Solid-Liquid Phase Chemical Route. <i>Chemistry - A European Journal</i> , 2008, 14, 1615-1620.	1.7	24
371	Spontaneous Organization of Uniform CeO ₂ Nanoflowers by 3D Oriented Attachment in Hot Surfactant Solutions Monitored with an In Situ Electrical Conductance Technique. <i>Chemistry - A European Journal</i> , 2008, 14, 3380-3390.	1.7	66
372	Direct Thermal Decomposition of Metal Nitrates in Octadecylamine to Metal Oxide Nanocrystals. <i>Chemistry - A European Journal</i> , 2008, 14, 2507-2513.	1.7	103
373	Nucleation and Growth of BaF ₂ Cl ₂ Nanorods. <i>Chemistry - A European Journal</i> , 2008, 14, 9730-9735.	1.7	25
374	Tetraethylenepentamine-Directed Controllable Synthesis of Wurtzite ZnSe Nanostructures with Tunable Morphology. <i>Chemistry - A European Journal</i> , 2008, 14, 9786-9791.	1.7	29
375	Structural Characterization and Temperature-Dependent Photoluminescence of Linear CdTe/CdSe/CdTe Heterostructure Nanorods. <i>ChemPhysChem</i> , 2008, 9, 1158-1163.	1.0	40

#	ARTICLE	IF	CITATIONS
376	Directing the Growth of Semiconductor Nanocrystals in Aqueous Solution: Role of Electrostatics. <i>ChemPhysChem</i> , 2008, 9, 1309-1316.	1.0	61
377	Morphology controllable nanostructured chitosan matrix and its cytocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 236-244.	2.1	10
378	Small Molecule-Controlled Spontaneous Growth of Rose-Like Se Crystals at Room Temperature. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1129-1134.	1.0	5
379	Quasi-Seeded Growth of Ligand-Tailored PbSe Nanocrystals through Cation-Exchange-Mediated Nucleation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3029-3033.	7.2	103
380	Synthetic Scheme for High-Quality InAs Nanocrystals Based on Self-Focusing and One-Pot Synthesis of InAs-Based Core-Shell Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7677-7680.	7.2	130
381	Facile Synthesis of Branched Au Nanostructures by Templating Against a Self-Destructive Lattice of Magnetic Fe Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9653-9656.	7.2	77
382	Topotactic Transformation of Single-Crystalline Precursor Discs into Disc-Like Bi ₂ S ₃ Nanorod Networks. <i>Advanced Functional Materials</i> , 2008, 18, 1194-1201.	7.8	203
383	Controlling the Optical Properties of Inorganic Nanoparticles. <i>Advanced Functional Materials</i> , 2008, 18, 1157-1172.	7.8	221
384	Synthesis of Semiconducting Functional Materials in Solution: From II-VI Semiconductor to Inorganic-Organic Hybrid Semiconductor Nanomaterials. <i>Advanced Functional Materials</i> , 2008, 18, 3357-3366.	7.8	114
385	Mn ²⁺ -Doped CdSe Quantum Dots: New Inorganic Materials for Spin-Electronics and Spin-Photonics. <i>Advanced Functional Materials</i> , 2008, 18, 3873-3891.	7.8	395
387	Complete Quenching of CdSe Nanocrystal Photoluminescence by Single Dye Molecules. <i>Advanced Materials</i> , 2008, 20, 4274-4280.	11.1	67
388	Ultralong Single-Crystalline Ag ₂ S Nanowires: Promising Candidates for Photoswitches and Room-Temperature Oxygen Sensors. <i>Advanced Materials</i> , 2008, 20, 2628-2632.	11.1	121
389	Continuous Size Tuning of Monodisperse ZnO Colloidal Nanocrystal Clusters by a Microwave-Polyol Process and Their Application for Humidity Sensing. <i>Advanced Materials</i> , 2008, 20, 4845-4850.	11.1	242
393	Synthesis of faceted and cubic Ag ₂ S nanocrystals in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 485-492.	5.0	53
394	A greener synthetic route to monodisperse CdSe quantum dots with zinc-blende structure. <i>Journal of Crystal Growth</i> , 2008, 310, 2890-2894.	0.7	16
395	Hydrothermal-induced oriented growth of Fe-Co alloy and Sm ³⁺ -substituted magnetite nanowire composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 3297-3302.	1.0	7
396	Surface control of CdSe nanocrystals by UV-exposure in air and successive thermal treatment under ultra high vacuum. <i>Applied Surface Science</i> , 2008, 254, 6886-6889.	3.1	3
397	Decorated wires as a reaction product of the microwave-assisted synthesis of CdSe in the presence of glycine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 317, 737-741.	2.3	5

#	ARTICLE	IF	CITATIONS
398	Novel β -cyclodextrin modified quantum dots as fluorescent probes for polycyclic aromatic hydrocarbons (PAHs). Chinese Chemical Letters, 2008, 19, 215-218.	4.8	23
399	Effect of reaction temperatures and media on crystal structure of colloidal nanocrystals synthesized from an aerosol flow system. Ultramicroscopy, 2008, 108, 1278-1282.	0.8	9
400	Low temperature non-alkylphosphine based synthesis of cadmium selenide nanocrystals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 211-215.	2.3	5
401	Growth of nanowires. Materials Science and Engineering Reports, 2008, 60, 1-51.	14.8	489
402	Multiple Families of Magic-Sized CdSe Nanocrystals with Strong Bandgap Photoluminescence via Noninjection One-Pot Syntheses. Journal of Physical Chemistry C, 2008, 112, 13805-13811.	1.5	157
403	Exciton Dissociation in CdSe Quantum Dots by Hole Transfer to Phenothiazine. Journal of Physical Chemistry C, 2008, 112, 19734-19738.	1.5	164
404	Understanding and Controlling the Growth of Monodisperse CdS Nanowires in Solution. Chemistry of Materials, 2008, 20, 5444-5452.	3.2	43
405	Investigations of the Growth Kinetics of Capped CdSe and CdS Nanocrystals by a Combined Use of Small Angle X-ray Scattering and Other Techniques. Chemistry - an Asian Journal, 2008, 3, 1435-1442.	1.7	13
406	The Scaling of the Effective Band Gaps in Indium ³⁺ Arsenide Quantum Dots and Wires. ACS Nano, 2008, 2, 1903-1913.	7.3	60
407	Growth mechanism, shape and composition control of semiconductor nanocrystals. , 2008, , 1-34.		7
408	Structural evolutions of CdSe nanocrystals in ripening process. Materials Chemistry and Physics, 2008, 111, 513-516.	2.0	4
409	Shape evolution of Cu ₂ S nanostructures in Triton X-100/cyclohexane/water reverse micelles. Materials Research Bulletin, 2008, 43, 748-758.	2.7	10
410	Hydrothermal growth and morphology evolution of CePO ₄ aggregates by a complexing method. Materials Research Bulletin, 2008, 43, 2840-2849.	2.7	26
411	Hydrothermal synthesis of oriented MnS nanorods on anodized aluminum oxide template. Materials Letters, 2008, 62, 246-248.	1.3	17
412	Hydrothermal synthesis of single crystal mesoporous LiAlO ₂ nanobelts. Materials Letters, 2008, 62, 2039-2042.	1.3	13
413	Aqueous synthesis of luminescent magic sized CdSe nanoclusters. Materials Letters, 2008, 62, 2103-2105.	1.3	43
414	Facile synthesis and electrochemical application of surface-modified Bi ₂ S ₃ urchin-like nano-spheres at room temperature. Materials Letters, 2008, 62, 3201-3204.	1.3	18
415	Ultrabright PbSe Magic-sized Clusters. Nano Letters, 2008, 8, 2896-2899.	4.5	154

#	ARTICLE	IF	CITATIONS
416	Semiconductor Nanocrystal Quantum Dots. , 2008, , .		239
417	Enhancement of Upconversion Emission of LaPO ₄ :Er@Yb Core~Shell Nanoparticles/Nanorods. Journal of Physical Chemistry C, 2008, 112, 9650-9658.	1.5	153
418	PEG-Mediated Hydrothermal Growth of Single-Crystal Tellurium Nanotubes. Crystal Growth and Design, 2008, 8, 4415-4419.	1.4	34
419	Quantum Dots. Springer Protocols, 2008, , 697-710.	0.1	1
420	Green Chemistry for Large-Scale Synthesis of Semiconductor Quantum Dots. Langmuir, 2008, 24, 5241-5244.	1.6	53
421	SnO ₂ Quantum Dots and Quantum Wires: Controllable Synthesis, Self-Assembled 2D Architectures, and Gas-Sensing Properties. Journal of the American Chemical Society, 2008, 130, 12527-12535.	6.6	381
422	Investigating the Shape Evolution Mechanism of CdSe Quantum Dots by Chemometrics Analysis of Spectrophotometric Data. Journal of Physical Chemistry C, 2008, 112, 18321-18324.	1.5	13
423	Uniform Colloidal Alkaline Earth Metal Fluoride Nanocrystals: Nonhydrolytic Synthesis and Luminescence Properties. Inorganic Chemistry, 2008, 47, 9509-9517.	1.9	100
424	Growth Kinetics of ZnO Nanorods:~ Capping-Dependent Mechanism and Other Interesting Features. Journal of Physical Chemistry C, 2008, 112, 2404-2411.	1.5	59
425	Ultrafast synthesis of highly luminescent green- to near infrared-emitting CdTe nanocrystals in aqueous phase. Journal of Materials Chemistry, 2008, 18, 2807.	6.7	196
426	Nanocrystal-micelle: synthesis, self-assembly and application. Chemical Communications, 2008, , 1383-1394.	2.2	57
427	Synthesis of Uniform Hollow Oxide Nanoparticles through Nanoscale Acid Etching. Nano Letters, 2008, 8, 4252-4258.	4.5	210
428	Density Functional Study of Surface Passivation of Nonpolar Wurtzite CdSe Surfaces. Journal of Physical Chemistry C, 2008, 112, 20413-20417.	1.5	20
429	Morphology Control of Nanoscale PbS Particles in a Polyol Process. Chemistry of Materials, 2008, 20, 3153-3162.	3.2	75
430	Morphology-Controlled Synthesis of Magnetites with Nanoporous Structures and Excellent Magnetic Properties. Chemistry of Materials, 2008, 20, 198-204.	3.2	152
431	PSA fluoroimmunoassays using anti-PSA ScFv and quantum-dot conjugates. Nanomedicine, 2008, 3, 475-483.	1.7	14
432	Hierarchical Assembly of Nanoparticle Superstructures from Block Copolymer-Nanoparticle Composites. Physical Review Letters, 2008, 100, 148303.	2.9	126
433	Quantum Dots from Chemical Aerosol Flow Synthesis: Preparation, Characterization, and Cellular Imaging. Chemistry of Materials, 2008, 20, 4033-4038.	3.2	57

#	ARTICLE	IF	CITATIONS
434	The Trouble with TOPO; Identification of Adventitious Impurities Beneficial to the Growth of Cadmium Selenide Quantum Dots, Rods, and Wires. <i>Nano Letters</i> , 2008, 8, 3521-3524.	4.5	166
435	Carbon Supported CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2008, 130, 15282-15284.	6.6	40
436	Photoconduction in Annealed and Chemically Treated CdSe/ZnS Inorganic Nanocrystal Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2308-2316.	1.5	65
437	<i>In Situ</i> Observation of Heterogeneous Growth of CdSe Quantum Dots: Effect of Indium Doping on the Growth Kinetics. <i>ACS Nano</i> , 2008, 2, 1411-1421.	7.3	69
438	Bioconjugated Quantum Rods as Targeted Probes for Efficient Transmigration Across an <i>in Vitro</i> Blood-Brain Barrier. <i>Bioconjugate Chemistry</i> , 2008, 19, 1179-1185.	1.8	103
439	Microwave Synthesis of CdSe and CdTe Nanocrystals in Nonabsorbing Alkanes. <i>Journal of the American Chemical Society</i> , 2008, 130, 8916-8922.	6.6	133
440	Novel Strategy for Synthesis of High Quality CdTe Nanocrystals in Aqueous Solution. <i>Chemical Research in Chinese Universities</i> , 2008, 24, 8-14.	1.3	34
441	A new role for surfactants in the formation of cobalt nanoparticles. <i>Journal of Materials Chemistry</i> , 2008, 18, 738.	6.7	26
442	Self-assembly and magnetic properties of shape-controlled monodisperse CoFe ₂ O ₄ nanocrystals. <i>Applied Physics Letters</i> , 2008, 92, 173101.	1.5	31
443	A developed Ullmann reaction to III-V semiconductor nanocrystals in sealed vacuum tubes. <i>Dalton Transactions</i> , 2008, , 6060.	1.6	10
444	A Host Crystal for the Rare-Earth Ion Dopants: Synthesis of Pure and Ln-Doped Urchinlike BiPO ₄ Structure and Its Photoluminescence. <i>Crystal Growth and Design</i> , 2008, 8, 2694-2697.	1.4	71
445	Excitation-Wavelength Dependence of Fluorescence Intermittency in CdSe Nanorods. <i>ACS Nano</i> , 2008, 2, 2143-2153.	7.3	53
446	Dimension-Manipulated Ceria Nanostructures (0D Uniform Nanocrystals, 2D Polycrystalline Assembly,) Tj ETQq0 0 0 rgBT /Overlock 10 T Oxidation Activities. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20366-20374.	1.5	33
447	2D Self-Bundled CdS Nanorods with Micrometer Dimension in the Absence of an External Directing Process. <i>ACS Nano</i> , 2008, 2, 750-756.	7.3	54
448	Influence of Interparticle Electrostatic Repulsion in the Initial Stage of Aqueous Semiconductor Nanocrystal Growth. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1885-1889.	1.5	47
449	Facile Synthesis of Semiconductor and Noble Metal Nanocrystals in High-Boiling Two-Phase Liquid/Liquid Systems. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2266-2270.	1.5	25
450	One-Dimensional Angle-Shaped ZnSe Nanostructures: Synthesis and Formation Mechanism. <i>Crystal Growth and Design</i> , 2008, 8, 660-664.	1.4	21
451	Solution-Based III-VI Core/Shell Nanowire Heterostructures. <i>Journal of the American Chemical Society</i> , 2008, 130, 14822-14833.	6.6	93

#	ARTICLE	IF	CITATIONS
452	Sensitivity versus Stability: Making Quantum Dots More Luminescent by Sulfur Photocuring without Compromising Sensor Response. <i>Chemistry of Materials</i> , 2008, 20, 6638-6642.	3.2	25
453	Small-Angle Rotation in Individual Colloidal CdSe Quantum Rods. <i>ACS Nano</i> , 2008, 2, 1179-1188.	7.3	19
454	Large-Scaled, Uniform, Monodispersed ZnO Colloidal Microspheres. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12138-12141.	1.5	70
455	Identification of Acidic Phosphorus-Containing Ligands Involved in the Surface Chemistry of CdSe Nanoparticles Prepared in Tri- <i>n</i> -octylphosphine Oxide Solvents. <i>Journal of the American Chemical Society</i> , 2008, 130, 5689-5698.	6.6	114
456	Quantum chemistry of the minimal CdSe clusters. <i>Journal of Chemical Physics</i> , 2008, 129, 074709.	1.2	58
457	Morphology of fine-particle monolayers deposited on nanopatterned substrates. <i>Physical Review E</i> , 2008, 77, 031603.	0.8	27
458	The patterning of sub-500 nm inorganic oxide and semiconducting polymeric structures. <i>Proceedings of SPIE</i> , 2008, , .	0.8	2
460	Study of Quantum Yield and Photoluminescence of Thiol Capped CdS Nanocrystallites. , 2009, , .		1
461	Electronic properties of hybridized poly (3, 4-ethylenedioxythiophene): Polystyrene sulfonate with surface-capped CdSe nanocrystals. <i>Journal of Applied Physics</i> , 2009, 105, 023716.	1.1	4
462	Influence of surface coating on the upconversion emission properties of LaPO ₄ :Yb/Tm core-shell nanorods. <i>Journal of Applied Physics</i> , 2009, 105, 113532.	1.1	39
463	Reversible and Irreversible Binding of Nanoparticles to Polymeric Surfaces. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-14.	1.5	8
464	HOLLOW, BRANCHED AND MULTIFUNCTIONAL NANOPARTICLES: SYNTHESIS, PROPERTIES AND APPLICATIONS. <i>International Journal of Nanoscience</i> , 2009, 08, 483-514.	0.4	2
465	Manipulation of cadmium selenide nanorods with an atomic force microscope. <i>Nanotechnology</i> , 2009, 20, 165304.	1.3	26
466	Controllable synthesis of self-assembled Cu ₂ S nanostructures through a template-free polyol process for the degradation of organic pollutant under visible light. <i>Materials Research Bulletin</i> , 2009, 44, 1834-1841.	2.7	50
467	Controlled Synthesis of CdSe Nanowires by Solutionâ€“Liquidâ€“Solid Method. <i>Advanced Functional Materials</i> , 2009, 19, 3650-3661.	7.8	90
468	Nucleation and Growth of CeF ₃ and NaCeF ₄ Nanocrystals. <i>Chemistry - A European Journal</i> , 2009, 15, 2512-2517.	1.7	39
469	Shape, Size, and Phaseâ€“Controlled Rareâ€“Earth Fluoride Nanocrystals with Optical Upâ€“Conversion Properties. <i>Chemistry - A European Journal</i> , 2009, 15, 11010-11019.	1.7	195
472	Highly Waterâ€“Dispersible Biocompatible Magnetite Particles with Low Cytotoxicity Stabilized by Citrate Groups. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5875-5879.	7.2	856

#	ARTICLE	IF	CITATIONS
473	Twin-Induced Growth of Palladium-Platinum Alloy Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6304-6308.	7.2	119
474	SnO ₂ nanorods and hollow spheres: Controlled synthesis and gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 490-495.	4.0	116
475	Fabrication and characterization of 1D brushite nanomaterials via sucrose ester reverse microemulsion. <i>Ceramics International</i> , 2009, 35, 2891-2897.	2.3	23
476	A model for the multi-exponential excited-state decay of CdSe nanocrystals. <i>Chemical Physics</i> , 2009, 357, 96-101.	0.9	37
477	Morphology and magnetic properties of Fe _x Co _{1-x} /Co _y Fe _{3-2y} O ₄ nanocomposites prepared by surfactants-assisted-hydrothermal process. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1043-1051.	0.8	6
478	Controlled synthesis and characterization of layered manganese oxide nanostructures with different morphologies. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1107-1115.	0.8	17
479	Preparation of Gold Nanoparticles and their Applications in Anisotropic Nanoparticle Synthesis and Bioimaging. <i>Plasmonics</i> , 2009, 4, 79-93.	1.8	90
480	An essay on synthetic chemistry of colloidal nanocrystals. <i>Nano Research</i> , 2009, 2, 425-447.	5.8	259
481	Formation of hexagonal shaped wurtzite zinc sulphide nano rods. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 123-129.	1.1	17
482	Raman investigation of strain effects in CdSe nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2817-2819.	0.7	9
483	Triangular CdS Nanocrystals: Rational Solvothermal Synthesis and Optical Studies. <i>Small</i> , 2009, 5, 681-684.	5.2	27
484	Preparation of nanocomposites by reversible addition-fragmentation chain transfer polymerization from the surface of quantum dots in miniemulsion. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5367-5377.	2.5	25
485	Polyethylene glycol-based bidentate ligands to enhance quantum dot and gold nanoparticle stability in biological media. <i>Nature Protocols</i> , 2009, 4, 412-423.	5.5	190
486	Study on growth kinetics of hexadecylamine capped CdSe nanoparticles using its electronic properties. <i>Physica B: Condensed Matter</i> , 2009, 404, 1204-1208.	1.3	14
487	Synthesis of monodisperse CdS nanowires and their photovoltaic applications. <i>Thin Solid Films</i> , 2009, 517, 6430-6434.	0.8	26
488	Synthesis and analysis of an indium tin oxide nanoparticle dispersion. <i>Thin Solid Films</i> , 2009, 518, 1136-1139.	0.8	19
489	Temperature effect on the growth of colloidal CdTe nanotetrapods. <i>Mendeleev Communications</i> , 2009, 19, 126-127.	0.6	9
490	Synthesis multifarious morphologies and sizes of YBO ₃ :Eu ³⁺ phosphors, and clarification of the crystal structure of YBO ₃ . <i>Journal of Crystal Growth</i> , 2009, 311, 2409-2417.	0.7	25

#	ARTICLE	IF	CITATIONS
491	Realization and field emission of CdSe nano-tetrapods with different arm lengths. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2965-2968.	0.9	16
492	Cadmium thiosemicarbazide complexes as precursors for the synthesis of nanodimensional crystals of CdS. <i>Polyhedron</i> , 2009, 28, 2097-2102.	1.0	17
493	Synthesis of hexadecylamine capped CdS nanoparticles using heterocyclic cadmium dithiocarbamates as single source precursors. <i>Polyhedron</i> , 2009, 28, 2977-2982.	1.0	42
494	Structural and magnetic properties of nano nickel-zinc ferrite synthesized by reverse micelle technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1-7.	1.0	133
495	The synthesis and the magnetic properties of Gd ³⁺ -doped Fe _x Co _{1-x} /Co _y Fe _{3-y} O ₄ micro-octahedrons composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2622-2626.	1.0	3
496	A novel "green" synthesis of starch-capped CdSe nanostructures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 382-386.	2.5	40
497	Magnetic properties of Fe _x Co _{1-x} /Co _y Fe _{1-y} Fe ₂ O ₄ composite under hydrothermal condition. <i>Current Applied Physics</i> , 2009, 9, 1386-1392.	1.1	11
498	Synthesis of Colloidal ZnSe Nanospheres by Ultrasonic-Assisted Aerosol Spray Pyrolysis. <i>Crystal Growth and Design</i> , 2009, 9, 1153-1157.	1.4	32
499	A Study of Simultaneous Patterning and Alignment of Semiconductor Nanorods via Polymerization-Induced Phase Separation. <i>Langmuir</i> , 2009, 25, 3173-3177.	1.6	7
500	Iodide in CTAB Prevents Gold Nanorod Formation. <i>Langmuir</i> , 2009, 25, 9518-9524.	1.6	198
501	Synthesis and Characterization of Monodisperse Manganese Oxide Nanoparticles—Evaluation of the Nucleation and Growth Mechanism. <i>Chemistry of Materials</i> , 2009, 21, 3183-3190.	3.2	134
502	Blue Luminescence and Superstructures from Magic Size Clusters of CdSe. <i>Nano Letters</i> , 2009, 9, 514-518.	4.5	81
503	Design and Synthesis of Highly Luminescent Near-Infrared-Emitting Water-Soluble CdTe/CdSe/ZnS Core/Shell/Shell Quantum Dots. <i>Inorganic Chemistry</i> , 2009, 48, 9723-9731.	1.9	147
504	Synthesis of Extremely Small CdSe and Bright Blue Luminescent CdSe/ZnS Nanoparticles by a Prefocused Hot-Injection Approach. <i>Chemistry of Materials</i> , 2009, 21, 1743-1749.	3.2	66
505	Control of Surface State Emission via Phosphonic Acid Modulation in Ultrasmall CdSe Nanocrystals: The Role of Ligand Electronegativity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8169-8176.	1.5	66
506	Single-crystal-like hematite colloidal nanocrystal clusters: synthesis and applications in gas sensors, photocatalysis and water treatment. <i>Journal of Materials Chemistry</i> , 2009, 19, 6154.	6.7	139
507	Insights into the Kinetics of Semiconductor Nanocrystal Nucleation and Growth. <i>Journal of the American Chemical Society</i> , 2009, 131, 4479-4489.	6.6	201
508	Controlled Synthesis of Pyramid-Aggregated Sphere-like Cadmium Sulfide in the Presence of a Polymer. <i>Crystal Growth and Design</i> , 2009, 9, 1677-1682.	1.4	19

#	ARTICLE	IF	CITATIONS
509	Microwave Synthetic Route for Highly Emissive TOP/TOP-S Passivated CdS Quantum Dots. <i>Chemistry of Materials</i> , 2009, 21, 3586-3592.	3.2	50
510	A Rapid Hot-Injection Method for the Improved Hydrothermal Synthesis of CdSe Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 4316-4321.	1.8	28
511	Solvothermal Synthesis of High-Aspect Ratio Alloy Semiconductor Nanowires: Cd _{1-x} Zn _x S, a Case Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3617-3624.	1.5	66
512	General Two-Phase Routes to Synthesize Colloidal Metal Oxide Nanocrystals: Simple Synthesis and Ordered Self-Assembly Structures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11204-11214.	1.5	75
513	High-Yield Synthesis of Tetrahedral-Like Gold Nanotripods Using an Aqueous Binary Mixture of Cetyltrimethylammonium Bromide and Hexamethylenetetramine. <i>Crystal Growth and Design</i> , 2009, 9, 1146-1152.	1.4	45
514	Oxygen Adsorption on CdSe Surfaces: Case Study of Asymmetric Anisotropic Growth through ab Initio Computations. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1863-1871.	1.5	15
515	Self-Healing Self-Assembly of Aspect-Ratio-Tunable Chloroplast-Shaped Architectures. <i>Crystal Growth and Design</i> , 2009, 9, 4745-4751.	1.4	9
516	Nonhydrolytic Synthesis and Electronic Structure of Ligand-Capped CeO ₂ and CeOCl Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14126-14134.	1.5	28
517	Controlling Growth of CdSe Nanowires through Ligand Optimization. <i>Chemistry of Materials</i> , 2009, 21, 3710-3718.	3.2	40
518	Magic-Sized Cd ₃ P ₂ Nanoparticles Exhibiting Bandgap Photoemission. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17979-17982.	1.5	54
519	Study of Magic-Size-Cluster Mediated Formation of CdS Nanocrystals: Properties of the Magic-Size Clusters and Mechanism Implication. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12766-12771.	1.5	56
520	Synthesis of InP Nanoneedles and Their Use as Schottky Devices. <i>ACS Nano</i> , 2009, 3, 668-672.	7.3	33
521	Few-Layer Graphene as a Support Film for Transmission Electron Microscopy Imaging of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2886-2892.	4.0	28
522	Rapid phosphine-free growth of diverse CdSe multipods via microwave irradiation route. <i>Journal of Alloys and Compounds</i> , 2009, 474, 61-67.	2.8	17
523	Morphology controlled solvo-thermal synthesis and luminescence of NH ₄ ZnPO ₄ : Eu ³⁺ submicrometer phosphor. <i>Journal of Alloys and Compounds</i> , 2009, 479, 536-540.	2.8	10
524	Growth mechanism and optical properties of ZnO nanosheets by the hydrothermal method on Si substrates. <i>Journal of Alloys and Compounds</i> , 2009, 481, 628-631.	2.8	23
525	Facile synthesis, characterization, formation mechanism and photoluminescence property of Eu ₂ O ₃ nanorods. <i>Journal of Alloys and Compounds</i> , 2009, 487, 483-488.	2.8	25
526	Tumor Targeting and Imaging in Live Animals with Functionalized Semiconductor Quantum Rods. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 710-719.	4.0	83

#	ARTICLE	IF	CITATIONS
527	Selective Facet Reactivity during Cation Exchange in Cadmium Sulfide Nanorods. <i>Journal of the American Chemical Society</i> , 2009, 131, 5285-5293.	6.6	372
528	Shape Tuning of Type II CdTe-CdSe Colloidal Nanocrystal Heterostructures through Seeded Growth. <i>Journal of the American Chemical Society</i> , 2009, 131, 9170-9171.	6.6	79
529	Discontinuous Growth of Colloidal CdSe Nanocrystals in the Magic Structure. <i>Journal of Physical Chemistry C</i> , 2009, 113, 31-36.	1.5	34
530	Temperature Dependence of "Elementary Processes" in Doping Semiconductor Nanocrystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 9333-9339.	6.6	183
531	Nucleation Kinetics vs Chemical Kinetics in the Initial Formation of Semiconductor Nanocrystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 15457-15466.	6.6	179
532	Shape Control of CdSe Nanocrystals with Zinc Blende Structure. <i>Journal of the American Chemical Society</i> , 2009, 131, 16423-16429.	6.6	168
533	Optically active uniform potassium and lithium rare earth fluoride nanocrystals derived from metal trifluoroacetate precursors. <i>Dalton Transactions</i> , 2009, , 8574.	1.6	113
534	Life Cycle Inventory of Semiconductor Cadmium Selenide Quantum Dots for Environmental Applications. , 2009, , 561-582.		9
535	Homogeneously-Alloyed CdTeSe Single-Sized Nanocrystals with Bandgap Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3402-3408.	1.5	67
536	CdS Magic-Sized Nanocrystals Exhibiting Bright Band Gap Photoemission via Thermodynamically Driven Formation. <i>ACS Nano</i> , 2009, 3, 3832-3838.	7.3	88
537	Phase Transformation of Biphasic $\text{Cu}_2\text{S}^*\text{CuInS}_2$ to Monophasic CuInS_2 Nanorods. <i>Journal of the American Chemical Society</i> , 2009, 131, 4962-4966.	6.6	254
538	Depositing a $\text{Zn}_x\text{Cd}_{1-x}\text{S}$ Shell around CdSe Core Nanocrystals via a Noninjection Approach in Aqueous Media. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4301-4306.	1.5	30
539	Morphology- and phase-controlled synthesis of monodisperse lanthanide-doped NaGdF_4 nanocrystals with multicolor photoluminescence. <i>Journal of Materials Chemistry</i> , 2009, 19, 489-496.	6.7	156
540	Oleic Acid/Oleylamine Cooperative-Controlled Crystallization Mechanism for Monodisperse Tetragonal Bipyramid $\text{NaLa}(\text{MoO}_4)_2$ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12176-12185.	1.5	160
541	Synthesis, Characterization, and Photocatalytic Activity of Zn-Doped SnO_2 Hierarchical Architectures Assembled by Nanocones. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9071-9077.	1.5	111
542	Solution-Based Synthesis and Characterization of $\text{Cu}_2\text{ZnSnS}_4$ Nanocrystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 12054-12055.	6.6	573
543	Formation Mechanism and Shape Control of Monodisperse Magnetic CoFe_2O_4 Nanocrystals. <i>Chemistry of Materials</i> , 2009, 21, 3458-3468.	3.2	117
544	Study of Self-Assembly of Octahedral Magnetite under an External Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17301-17305.	1.5	54

#	ARTICLE	IF	CITATIONS
545	Ambient Synthesis and Characterization of High-Quality CdSe Quantum Dots by an Aqueous Route. <i>Langmuir</i> , 2009, 25, 12729-12735.	1.6	97
546	Quantum chemistry of quantum dots: Effects of ligands and oxidation. <i>Journal of Chemical Physics</i> , 2009, 131, 044106.	1.2	80
547	Static and Dynamic Emission Quenching in Core/Shell Nanorod Quantum Dots with Hole Acceptors. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19161-19171.	1.5	43
548	From Nearly Monodispersed toward Truly Monosized Nanocrystals: Chemical Potential Well during Growth of Nanocrystals. <i>Crystal Growth and Design</i> , 2009, 9, 4235-4238.	1.4	19
549	Close-Packed Superlattices of Side-by-Side Assembled Au-CdSe Nanorods. <i>Nano Letters</i> , 2009, 9, 3077-3081.	4.5	115
550	Diameter-Tunable CdSe Nanotubes from Facile Solution-Based Selenization of Cd(OH) ₂ Nanowire Bundles for Photoelectrochemical Cells. <i>Chemistry of Materials</i> , 2009, 21, 1875-1883.	3.2	58
551	Computational challenges for nanostructure solar cells. <i>Energy and Environmental Science</i> , 2009, 2, 944.	15.6	18
552	A single-step synthesis and the kinetic mechanism for monodisperse and hexagonal-phase NaYF ₄ :Yb, Er upconversion nanophosphors. <i>Nanotechnology</i> , 2009, 20, 275603.	1.3	121
553	Direct Synthesis of Quantum Dots with Controllable Multimodal Size Distribution. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12236-12242.	1.5	26
554	Facile phase transfer of hydrophobic nanoparticles with poly(ethylene glycol) grafted hyperbranched poly(amido amine). <i>Nanotechnology</i> , 2009, 20, 075101.	1.3	28
555	Ultrafast synthesis of water-soluble nanocrystals by the chemical aerosol flow method. <i>CrystEngComm</i> , 2009, 11, 1231.	1.3	7
556	Solvo-Hydrothermal Approach for the Shape-Selective Synthesis of Vanadium Oxide Nanocrystals and Their Characterization. <i>Langmuir</i> , 2009, 25, 5322-5332.	1.6	74
557	Precursor control of crystal structure and stoichiometry in twin metal oxide nanocrystals. <i>CrystEngComm</i> , 2009, 11, 841.	1.3	17
558	Oriented growth of a single crystalline Cu(111) flake synthesized by pyrolysis of coordination polymer [(CuBr) ₂ (bpy)] _n (bpy = 2,2'-bipyridine). <i>CrystEngComm</i> , 2009, 11, 1303.	1.3	4
559	Hierarchical assembly of CdTe nanotubes and nanowires at water/oil interface. <i>Journal of Materials Chemistry</i> , 2009, 19, 3027.	6.7	14
560	Connecting quantum dots and bionanoparticles in hybrid nanoscale ultra-thin films. <i>Soft Matter</i> , 2009, 5, 1048.	1.2	27
561	Controlled synthesis of monodisperse nanocrystals by a two-phase approach without the separation of nucleation and growth processes. <i>Journal of Materials Chemistry</i> , 2009, 19, 1063-1073.	6.7	55
562	Facile mixed-solvent-thermal synthesis and characterisation of LaF ₃ : Eu ³⁺ /Tb ³⁺ monodisperse nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2009, 4, 1-7.	1.3	2

#	ARTICLE	IF	CITATIONS
563	Spectroscopic Identification of Tri- <i>n</i> -octylphosphine Oxide (TOPO) Impurities and Elucidation of Their Roles in Cadmium Selenide Quantum-Wire Growth. <i>Journal of the American Chemical Society</i> , 2009, 131, 4983-4994.	6.6	140
564	Controlled Synthesis of CdTe and CdSe Multiblock Heteronanostructures. <i>Chemistry of Materials</i> , 2009, 21, 1465-1470.	3.2	25
565	Tuning the Binding Energy of Surfactant to CdSe Nanocrystal: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3116-3119.	1.5	13
566	A Novel Approach for Monodisperse Samarium Orthovanadate Nanocrystals: Controlled Synthesis and Characterization. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18584-18595.	1.5	43
567	Optical characterization of type-II CdTe/CdSe/CdTe heterostructure nanorods. <i>Journal of Physics: Conference Series</i> , 2010, 210, 012029.	0.3	2
568	Optical Analysis of a series of Size and Shape-controlled Type-II CdTe/CdSe/CdTe Heterostructure Nanorods. <i>Journal of Physics: Conference Series</i> , 2010, 245, 012064.	0.3	0
569	Studies on Reaction Conditions for Size-selective Photoetching of Cadmium Telluride Nanocrystals. <i>Electrochemistry</i> , 2010, 78, 170-174.	0.6	0
570	Colloidal Inorganic Nanocrystal Based Nanocomposites: Functional Materials for Micro and Nanofabrication. <i>Materials</i> , 2010, 3, 1316-1352.	1.3	47
571	Emerging strategies for the synthesis of highly monodisperse colloidal nanostructures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 4229-4248.	1.6	20
573	Site equivalent all Apex 1 nm-particle of CdSe preferentially grown in solution. <i>European Physical Journal D</i> , 2010, 57, 43-47.	0.6	9
574	Role of Magic-Sized Clusters in the Synthesis of CdSe Nanorods. <i>ACS Nano</i> , 2010, 4, 1561-1572.	7.3	89
575	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1454-1458.	2.1	192
576	Li electroactivity of iron (II) tungstate nanorods. <i>Nanotechnology</i> , 2010, 21, 465602.	1.3	30
577	Prospects of Colloidal Nanocrystals for Electronic and Optoelectronic Applications. <i>Chemical Reviews</i> , 2010, 110, 389-458.	23.0	3,708
578	Direct hydrothermal synthesis of single-crystalline triangular Fe ₃ O ₄ nanoprisms. <i>CrystEngComm</i> , 2010, 12, 2060.	1.3	68
579	High Activity Phosphine-Free Selenium Precursor Solution for Semiconductor Nanocrystal Growth. <i>Chemistry of Materials</i> , 2010, 22, 4135-4143.	3.2	97
580	Thermodynamic Equilibrium-Driven Formation of Single-Sized Nanocrystals: Reaction Media Tuning CdSe Magic-Sized versus Regular Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3329-3339.	1.5	71
581	Photoelectrochemistry and Applications. <i>Monographs in Electrochemistry</i> , 2010, , 207-308.	0.2	0

#	ARTICLE	IF	CITATIONS
582	Synthesis, characterization and optical properties of CdS nanorods by a simple solution chemistry method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 166, 158-162.	1.7	6
583	Semiconducting nanocrystals, conjugated polymers, and conjugated polymer/nanocrystal nanohybrids and their usage in solar cells. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010, 5, 33-44.	0.4	6
584	Study on Growth Kinetics of CdSe Nanocrystals with a New Model. <i>Nanoscale Research Letters</i> , 2010, 5, 823-828.	3.1	12
585	Hydrothermal Synthesis, Microstructure and Photoluminescence of Eu ³⁺ -Doped Mixed Rare Earth Nano-Orthophosphates. <i>Nanoscale Research Letters</i> , 2010, 5, 1962-1969.	3.1	21
586	Controllable synthesis and optical properties of CdS/CdSe hetero-nanostructures with various dimensionalities. <i>Materials Chemistry and Physics</i> , 2010, 121, 118-124.	2.0	12
587	Synthesis and characterization of LaPO ₄ powder heat treated at various temperatures. <i>Materials Chemistry and Physics</i> , 2010, 122, 49-52.	2.0	21
588	Controllable synthesis and optical properties of Nd(OHCO ₃) dodecahedral microcrystals. <i>Materials Research Bulletin</i> , 2010, 45, 74-79.	2.7	6
589	Selective synthesis, characterization, and photoluminescence study of YPO ₄ :Eu ³⁺ nanorods and nanoparticles. <i>Materials Research Bulletin</i> , 2010, 45, 870-877.	2.7	24
590	Hydrothermal synthesis and luminescent properties of LaPO ₄ :Eu 3D microstructures with controllable phase and morphology. <i>Materials Research Bulletin</i> , 2010, 45, 1324-1329.	2.7	23
591	Growth of novel multi-trunk CdS dendrites by hydrothermal method without surfactant. <i>Materials Letters</i> , 2010, 64, 1357-1360.	1.3	4
592	Controllable growth of cadmium hydroxide nanostructures by hydrothermal method. <i>Solid State Sciences</i> , 2010, 12, 83-87.	1.5	16
593	Controlled synthesis and characterization of LaPO ₄ , LaPO ₄ :Ce ³⁺ and LaPO ₄ :Ce ³⁺ , Tb ³⁺ by EDTA assisted hydrothermal method. <i>Solid State Sciences</i> , 2010, 12, 1652-1660.	1.5	45
594	Polyol-mediated Synthesis of Highly Water-soluble ZnO Colloidal Nanocrystal Clusters. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 217-220.	1.0	22
595	General Route to the Fabrication of ZnS and M-doped (M = Cd ²⁺ , Mn ²⁺ ,) Tj ETQq1 1 0.784314 rgBT /Over Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2504-2513.	1.0	17
596	Uniform Fe ₃ O ₄ Octahedra with Tunable Edge Length – Synthesis by a Facile Polyol Route and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5635-5639.	1.0	26
597	Various Synthetic Methods for One-dimensional Semiconductor Nanowires/Nanorods and Their Applications in Photovoltaic Devices. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4251-4263.	1.0	38
598	Synthesis and Characterization of Colloidal Core-shell Semiconductor Nanowires. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4325-4331.	1.0	35
599	Highly Water-soluble Superparamagnetic Ferrite Colloidal Spheres with Tunable Composition and Size. <i>Chemistry - A European Journal</i> , 2010, 16, 3608-3612.	1.7	42

#	ARTICLE	IF	CITATIONS
601	Facile Synthesis of Fivefold Twinned, Starfishlike Rhodium Nanocrystals by Eliminating Oxidative Etching with a Chloride-Free Precursor. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5296-5300.	7.2	97
602	Synthesis of thiol capped CdS nanocrystallites using microwave irradiation and studies on their steady state and time resolved photoluminescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 115-121.	2.0	22
603	SAXS exploration of the synthesis of ultra monodisperse silica nanoparticles and quantitative nucleation growth modeling. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 79-86.	5.0	28
604	Synthesis, optical properties and growth process of In ₂ S ₃ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 172-176.	5.0	26
605	Preparation and purification of l-cysteine capped CdTe quantum dots and its self-recovery of degenerate fluorescence. <i>Journal of Luminescence</i> , 2010, 130, 1935-1940.	1.5	32
606	The application of complex multiple forklike ZnO nanostructures to rapid and ultrahigh sensitive hydrogen peroxide biosensors. <i>Biomaterials</i> , 2010, 31, 7534-7541.	5.7	72
607	Influence of thermal annealing on the structural and optical properties of CdSe nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 303-309.	3.0	45
608	Syntheses and characterization of Sr(OH) ₂ and SrCO ₃ nanostructures by ultrasonic method. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 132-138.	3.8	110
609	Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1135-1150.	9.5	66
610	On ultrasmall nanocrystals. <i>Chemical Physics Letters</i> , 2010, 498, 1-9.	1.2	71
611	White-light-emitting CdSe quantum dots with "magic size" via one-pot synthesis approach. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 2472-2477.	0.8	21
612	Optical phonons in colloidal CdSe nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2488-2497.	0.7	21
613	Highly luminescent nanostructures of CdS and ZnS prepared by microwaves heating: effect of sulphide concentration. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2683-2687.	0.8	3
614	Reproducible Solvent-Free Thermal Synthesis, Controlled Microstructure, and Photoluminescence of REPO ₄ :Eu ³⁺ , Tb ³⁺ (RE=Y, La, and Gd) Nanophosphors. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2195-2201.	1.9	14
615	A Modified method for the synthesis of CdSe nanotetrapods via epitaxial growth on nucleation seeds. <i>High Energy Chemistry</i> , 2010, 44, 332-336.	0.2	0
616	Precursor concentration and temperature controlled formation of polyvinyl alcohol-capped CdSe-quantum dots. <i>Beilstein Journal of Nanotechnology</i> , 2010, 1, 119-127.	1.5	22
617	Quantum dots in biomedical applications: advances and challenges. <i>Journal of Nanophotonics</i> , 2010, 4, 042503.	0.4	37
618	Investigation of the surface chemical and electronic states of pyridine-capped CdSe nanocrystal films after plasma treatments using H ₂ , O ₂ , and Ar gases. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2010, 28, 559-563.	0.9	2

#	ARTICLE	IF	CITATIONS
620	Ambient Large-Scale Template-Mediated Synthesis of High-Aspect Ratio Single-Crystalline, Chemically Doped Rare-Earth Phosphate Nanowires for Bioimaging. <i>ACS Nano</i> , 2010, 4, 99-112.	7.3	153
621	Aspect-Ratio Dependence on Formation Process of Gold Nanorods Studied by Time-Resolved Distance Distribution Functions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3804-3810.	1.5	27
622	From single ZnO multipods to heterostructured ZnO/ZnS, ZnO/ZnSe, ZnO/Bi ₂ S ₃ and ZnO/Cu ₂ S multipods: controlled synthesis and tunable optical and photoelectrochemical properties. <i>CrystEngComm</i> , 2010, 12, 3950.	1.3	72
623	Microscale synthesis of quantum dots. <i>Journal of Materials Chemistry</i> , 2010, 20, 8454.	6.7	114
624	Shape- and Size-Controlled Synthesis of Monoclinic ErOOH and Cubic Er ₂ O ₃ from Micro- to Nanostructures and Their Upconversion Luminescence. <i>ACS Nano</i> , 2010, 4, 2263-2273.	7.3	76
625	Low-Temperature Coprecipitation Synthesis and Luminescent Properties of LaPO ₄ :Ln ³⁺ (Ln ³⁺ = Ce ³⁺ , Tb ³⁺) Nanowires and LaPO ₄ :Ce ³⁺ , Tb ³⁺ /LaPO ₄ Core/Shell Nanowires. <i>Inorganic Chemistry</i> , 2010, 49, 4996-5002.	1.9	58
626	Mn ₃ O ₄ Nanocrystals: Facile Synthesis, Controlled Assembly, and Application. <i>Chemistry of Materials</i> , 2010, 22, 4232-4236.	3.2	121
627	Gold Mesostructures with Tailored Surface Topography and Their Self-Assembly Arrays for Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2010, 10, 5006-5013.	4.5	295
628	Controlled growth of pyrite FeS ₂ crystallites by a facile surfactant-assisted solvothermal method. <i>CrystEngComm</i> , 2010, 12, 755-761.	1.3	92
629	Near-Infrared Absorption of Monodisperse Water-Soluble PbS Colloidal Nanocrystal Clusters. <i>Chemistry of Materials</i> , 2010, 22, 1901-1907.	3.2	44
630	Bacteria-template synthesized silver microspheres with hollow and porous structures as excellent SERS substrate. <i>Green Chemistry</i> , 2010, 12, 2038.	4.6	125
631	Surface modification of colloidal CdX-based quantum dots for biomedical applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 8433.	6.7	57
632	Porous Î±-Fe ₂ O ₃ nanostructures with branched topology: growth, formation mechanism, and properties. <i>CrystEngComm</i> , 2010, 12, 1842.	1.3	45
633	Influence of Size, Shape, and Surface Coating on the Stability of Aqueous Suspensions of CdSe Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 5251-5257.	3.2	74
634	Single-molecule precursor-based approaches to cobalt sulphide nanostructures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 4249-4260.	1.6	16
635	CdSe Nanotube Arrays on ITO via Aligned ZnO Nanorods Templating. <i>Chemistry of Materials</i> , 2010, 22, 64-69.	3.2	45
636	Synthesis and Magnetic Properties of Iron Phosphide Nanorods. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4808-4815.	1.5	27
637	Controlled synthesis of high quality type-II/type-I CdS/ZnSe/ZnS core/shell1/shell2 nanocrystals. <i>Dalton Transactions</i> , 2010, 39, 3308.	1.6	23

#	ARTICLE	IF	CITATIONS
638	CdSe Quantum Rod Formation Aided By In Situ TOPO Oxidation. <i>Chemistry of Materials</i> , 2010, 22, 2814-2821.	3.2	33
639	Surface Ligand Population Controlled Oriented Attachment: A Case of CdS Nanowires. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1932-1935.	2.1	19
640	Dopant-Induced Shape Evolution of Colloidal Nanocrystals: The Case of Zinc Oxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 13381-13394.	6.6	174
641	Synthesis of Luminescent Cubic Phase One-Dimensional CuI Nanostructures in Solution. <i>Crystal Growth and Design</i> , 2010, 10, 3387-3390.	1.4	22
642	The Critical Role of Surfactants in the Growth of Cobalt Nanoparticles. <i>Langmuir</i> , 2010, 26, 478-483.	1.6	95
643	Photoelectrochemical Processes in Polymer-Tethered CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2010, 132, 2622-2632.	6.6	40
644	Straight and Branched Goethite Topology by Oriented Attachment at High pH. <i>Crystal Growth and Design</i> , 2010, 10, 504-509.	1.4	20
645	“Green” and controlled synthesis of single family “magic-size” cadmium selenide nanocrystals by the use of cyclo-hexeno-1,2,3-selenadiazole an organoselenium compound. <i>CrystEngComm</i> , 2010, 12, 2762.	1.3	13
646	Insight into the Growth of Multiple Branched MnOOH Nanorods. <i>Crystal Growth and Design</i> , 2010, 10, 2969-2976.	1.4	39
647	Quantized Ostwald Ripening of Colloidal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16263-16269.	1.5	64
648	Understanding Structural and Optical Properties of Nanoscale CdSe Magic-Size Quantum Dots: Insight from Computational Prediction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16197-16209.	1.5	115
649	Preparation of 3D rose-like NiO complex structure and its electrochemical property. <i>Journal of Alloys and Compounds</i> , 2010, 495, 82-87.	2.8	37
650	Synthesis of CdSe micro/nanocrystals with controllable multiform morphologies and crystal phases. <i>Journal of Alloys and Compounds</i> , 2010, 497, 390-395.	2.8	15
651	Hybrid conjugated polymer/semiconductor photovoltaic cells. <i>Synthetic Metals</i> , 2010, 160, 1-15.	2.1	149
652	Delivering quantum dots to cells: bioconjugated quantum dots for targeted and nonspecific extracellular and intracellular imaging. <i>Chemical Society Reviews</i> , 2010, 39, 3031.	18.7	338
653	Designing multifunctional quantum dots for bioimaging, detection, and drug delivery. <i>Chemical Society Reviews</i> , 2010, 39, 4326.	18.7	866
654	Alkyl Chains of Surface Ligands Affect Polytypism of CdSe Nanocrystals and Play an Important Role in the Synthesis of Anisotropic Nanoheterostructures. <i>Journal of the American Chemical Society</i> , 2010, 132, 15866-15868.	6.6	113
655	Mysteries of TOPSe Revealed: Insights into Quantum Dot Nucleation. <i>Journal of the American Chemical Society</i> , 2010, 132, 10973-10975.	6.6	192

#	ARTICLE	IF	CITATIONS
656	Na ₂ SO ₄ Monocrystal Nanowires Aspect Ratio Control and Electron Beam Radiolysis. <i>Inorganic Chemistry</i> , 2010, 49, 6748-6754.	1.9	7
657	Uniform Fe ₂ O ₃ Nanocrystal Moniforme-Shape Straight-Chains. <i>Crystal Growth and Design</i> , 2010, 10, 479-482.	1.4	53
658	Insights into Reversible Dissolution of Colloidal CdSe Nanocrystal Quantum Dots. <i>Chemistry of Materials</i> , 2010, 22, 5973-5982.	3.2	27
659	Covalent Synthesis and Optical Characterization of Double-Walled Carbon Nanotube Nanocrystal Heterostructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8766-8773.	1.5	27
660	Microwave-assisted synthesis of monodispersed CdTe nanocrystals. <i>Chemical Communications</i> , 2010, 46, 4971.	2.2	12
661	Green chemical approaches to ZnSe quantum dots: preparation, characterisation and formation mechanism. <i>Journal of Experimental Nanoscience</i> , 2010, 5, 106-117.	1.3	15
662	A facile low temperature growth of CdTe nanocrystals using novel dithiocarbamate ligands in aqueous solution. <i>Journal of Materials Chemistry</i> , 2010, 20, 2788.	6.7	10
663	Fe ₃ O ₄ -in-silica super crystal of defined interstices for single protein molecules entrapment under magnetic flux. <i>Chemical Communications</i> , 2010, 46, 6699.	2.2	1
664	Ultrasensitive nucleic acid detection using confocal laser scanning microscope with high crystalline silver dendrites. <i>Chemical Communications</i> , 2010, 46, 8818.	2.2	12
665	Synthesis and self-assembly of Cu _{1.94} ZnS heterostructured nanorods. <i>CrystEngComm</i> , 2010, 12, 4124.	1.3	54
666	On-off QD switch that memorizes past recovery from quenching by diazonium salts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9757.	1.3	6
667	Low-temperature synthesis of photoconducting CdTe nanotetrapods. <i>Journal of Materials Chemistry</i> , 2010, 20, 1208-1214.	6.7	11
668	Preparation of nanoscale PbSe particles with different morphologies in diethylene glycol. <i>Nanoscale</i> , 2010, 2, 697.	2.8	9
669	Polymer-mediated growth of fluorescent semiconductor nanoparticles in preformed nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11843.	1.3	9
670	Electrodeposition of Arrays of Ru, Pt, and PtRu Alloy 1D Metallic Nanostructures. <i>Journal of the Electrochemical Society</i> , 2010, 157, K59.	1.3	30
671	Microwave-assisted controlled synthesis of monodisperse pyrite microspherulites. <i>CrystEngComm</i> , 2011, 13, 5936.	1.3	36
672	Continuous synthesis of SnTe nanorods. <i>Journal of Materials Chemistry</i> , 2011, 21, 12218.	6.7	27
673	Self-organization of mono- and bi-modal PbS nanocrystal populations in superlattices. <i>CrystEngComm</i> , 2011, 13, 3988.	1.3	28

#	ARTICLE	IF	CITATIONS
674	A ratiometric luminescent oxygen sensor based on a chemically functionalized quantum dot. <i>Chemical Communications</i> , 2011, 47, 325-327.	2.2	74
675	Synthesis of CuInSe ₂ ternary nanostructures: a combined oriented attachment and ligand protection strategy. <i>CrystEngComm</i> , 2011, 13, 4236.	1.3	17
676	Controlled synthesis of NaYF ₄ : Yb, Er nanocrystals with upconversion fluorescence via a facile hydrothermal procedure in aqueous solution. <i>CrystEngComm</i> , 2011, 13, 1772.	1.3	67
677	One-step synthesized silver micro-dendrites used as novel separation mediums and their applications in multi-DNA analysis. <i>Chemical Communications</i> , 2011, 47, 10581.	2.2	31
678	Heterocyclic dithiocarbamates: precursors for shape controlled growth of CdS nanoparticles. <i>New Journal of Chemistry</i> , 2011, 35, 1133.	1.4	52
679	Shape and size controlled synthesis and properties of colloidal IV-VI SnSe nanocrystals. <i>CrystEngComm</i> , 2011, 13, 4161.	1.3	68
680	Synthesis of CdS nanorods and nanospheres: shape tuning by the controlled addition of a sulfide precursor at room temperature. <i>CrystEngComm</i> , 2011, 13, 2340.	1.3	44
681	Effective Octadecylamine System for Nanocrystal Synthesis. <i>Inorganic Chemistry</i> , 2011, 50, 5196-5202.	1.9	65
682	Shape-Controlled Synthesis of Well-Defined Matlockite LnOCl (Ln: La, Ce, Gd, Dy) Nanocrystals by a Novel Non-Hydrolytic Approach. <i>Inorganic Chemistry</i> , 2011, 50, 5539-5544.	1.9	59
683	From Ultrathin Two-Dimensional Djurleite Nanosheets to One-Dimensional Nanorods Comprised of Djurleite Nanoplates: Synthesis, Characterization, and Formation Mechanism. <i>Crystal Growth and Design</i> , 2011, 11, 1109-1116.	1.4	22
684	Controlled Morphogenesis of Organic Polyhedral Nanocrystals from Cubes, Cubooctahedrons, to Octahedrons by Manipulating the Growth Kinetics. <i>Journal of the American Chemical Society</i> , 2011, 133, 1895-1901.	6.6	103
685	Emission Wavelength Prediction of a Full-Color-Tunable Fluorescent Core Skeleton, 9-Aryl-1,2-dihydropyrrolo[3,4- <i>b</i>]indolizin-3-one. <i>Journal of the American Chemical Society</i> , 2011, 133, 6642-6649.	6.6	177
686	Growth Kinetics of Asymmetric Bi ₂ S ₃ Nanocrystals: Size Distribution Focusing in Nanorods. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7947-7955.	1.5	43
687	Exciton Dissociation in CdSe/CdTe Heterostructure Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1-6.	2.1	26
688	Oriented Attachment Growth of Quantum-Sized CdS Nanorods by Direct Thermolysis of Single-Source Precursor. <i>Langmuir</i> , 2011, 27, 2258-2264.	1.6	29
689	Synthesis of Silver Nanoplates without Agitation and Surfactant. <i>Rare Metal Materials and Engineering</i> , 2011, 40, 2069-2071.	0.8	4
690	Hybrid Semiconductor Nanoparticles: π -Conjugated Ligands and Nanostructured Films. <i>Chemistry of Materials</i> , 2011, 23, 4273-4294.	3.2	44
691	Lamellar Assembly of Cadmium Selenide Nanoclusters into Quantum Belts. <i>Journal of the American Chemical Society</i> , 2011, 133, 17005-17013.	6.6	196

#	ARTICLE	IF	CITATIONS
692	Nanocrystal Synthesis. , 2011, , 153-201.		25
693	Quantized Auger recombination of biexcitons in CdSe nanorods studied by time-resolved photoluminescence and transient-absorption spectroscopy. Physical Review B, 2011, 83, .	1.1	41
694	Luminescent Quantum Dots, Making Invisibles Visible in Bioimaging. Progress in Molecular Biology and Translational Science, 2011, 104, 53-99.	0.9	21
695	Size/Shape-Controlled Synthesis of Colloidal CdSe Quantum Disks: Ligand and Temperature Effects. Journal of the American Chemical Society, 2011, 133, 6578-6586.	6.6	250
696	Conjugated polymer-organic semiconductor hybrid solar cells. Energy and Environmental Science, 2011, 4, 2700.	15.6	278
697	Synthesis of Shape-Controlled Monodisperse Wurtzite $\text{CuIn}_{1-x}\text{Ga}_x\text{S}_2$ Semiconductor Nanocrystals with Tunable Band Gap. Journal of the American Chemical Society, 2011, 133, 11072-11075.	6.6	173
698	Well-crystallized square-like 2D BiOCl nanoplates: mannitol-assisted hydrothermal synthesis and improved visible-light-driven photocatalytic performance. RSC Advances, 2011, 1, 1542.	1.7	319
699	Solvent-Based Assembly of CdSe Nanorods in Solution. Langmuir, 2011, 27, 12322-12328.	1.6	31
700	Reactive Semiconductor Nanocrystals for Chemoselective Biolabeling and Multiplexed Analysis. ACS Nano, 2011, 5, 5579-5593.	7.3	80
701	Controlling Nanorod Self-Assembly in Polymer Thin Films. Macromolecules, 2011, 44, 7364-7371.	2.2	30
702	Shape and Composition-Controlled Platinum Alloy Nanocrystals Using Carbon Monoxide as Reducing Agent. Nano Letters, 2011, 11, 798-802.	4.5	437
703	Large-scaled star-shaped Fe-MnS nanocrystals with novel magnetic properties. Chemical Communications, 2011, 47, 8100.	2.2	40
704	Synthesis and properties of colloidal heteronanocrystals. Chemical Society Reviews, 2011, 40, 1512-1546.	18.7	611
705	Size Control in the Synthesis of 6 nm Gold Nanoparticles via Solvent-Controlled Nucleation. Langmuir, 2011, 27, 13854-13860.	1.6	55
706	Anisotropic Etching of Semiconductor Nanocrystals. Chemistry of Materials, 2011, 23, 5029-5036.	3.2	53
707	Semiconductor nanoparticles with spatial separation of charge carriers: synthesis and optical properties. Russian Chemical Reviews, 2011, 80, 1139-1158.	2.5	35
708	Photoelectrochemical Characterization of Nanocrystalline Thin-Film $\text{Cu}_2\text{ZnSnS}_4$ Photocathodes. ACS Applied Materials & Interfaces, 2011, 3, 58-66.	4.0	110
709	Energetics and dynamics of exciton-exciton interactions in compound colloidal semiconductor quantum dots. Physical Chemistry Chemical Physics, 2011, 13, 3210.	1.3	24

#	ARTICLE	IF	CITATIONS
710	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011, 21, 2455.	6.7	87
711	Palladium nanoparticle catalysts in ionic liquids: synthesis, characterisation and selective partial hydrogenation of alkynes to Z-alkenes. <i>Journal of Materials Chemistry</i> , 2011, 21, 3030.	6.7	105
712	Novel standing Ni/Pt alloy nanocubes. <i>CrystEngComm</i> , 2011, 13, 3364.	1.3	26
713	Ionic liquids-assisted synthesis and electrochemical properties of Bi ₂ S ₃ nanostructures. <i>CrystEngComm</i> , 2011, 13, 3072.	1.3	85
714	Uniform ZnSe microspheres self-assembled from ZnSe polyhedron shaped nanocrystals. <i>CrystEngComm</i> , 2011, 13, 1518-1524.	1.3	9
715	Expanding the One-Dimensional Cd _{1-x} Se Composition Landscape: Axially Anisotropic Cd _{1-x} Se Nanorods. <i>ACS Nano</i> , 2011, 5, 5775-5784.	7.3	49
716	Understanding the Effect of Surface Chemistry on Charge Generation and Transport in Poly(3-hexylthiophene)/CdSe Hybrid Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 287-292.	4.0	39
717	Functionalized Biocompatible Nanoparticles for Site-Specific Imaging and Therapeutics. <i>Advances in Polymer Science</i> , 2011, , 233-275.	0.4	6
718	Direct Assembly of Hydrophobic Nanoparticles to Multifunctional Structures. <i>Nano Letters</i> , 2011, 11, 3404-3412.	4.5	104
719	Thermally Controlled Cyclic Insertion/Ejection of Dopant Ions and Reversible Zinc Blende/Wurtzite Phase Changes in ZnS Nanostructures. <i>Journal of the American Chemical Society</i> , 2011, 133, 1666-1669.	6.6	96
720	Lamb shift of interactive electron-hole pairs in spherical semiconductor Quantum Dots. <i>Computational Materials Science</i> , 2011, 50, 998-1008.	1.4	4
721	Multifunctional p-phosphonated calixarenes. <i>Chemical Communications</i> , 2011, 47, 9764.	2.2	49
722	Synthesis and conductivity of GdPO ₄ nanorods: Impacts of particle size and Ca ²⁺ doping. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4160-4166.	2.8	17
723	Synthesis of monodispersed ultrafine Bi ₂ S ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9382-9386.	2.8	16
724	Controlled synthesis of semiconductor nanostructures in the liquid phase. <i>Chemical Society Reviews</i> , 2011, 40, 5492.	18.7	199
725	The Application of Inorganic Nanomaterials in Dye-Sensitized Solar Cells. , 0, ,		0
727	Aqueous Preparation of Highly Luminescent CdSe/ZnS Nanocrystals through Photochemical Processing. <i>Chemistry Letters</i> , 2011, 40, 258-260.	0.7	3
728	Morphology of NaNdF ₄ nanocrystals from Nd(C ₃ H ₇ COO) ₃ ·Phen and Nd(NO ₃) ₃ ·Phen (Phen,) Tj ETQq1 1 0.784314 rgBT /Qverlock	2.5	10

#	ARTICLE	IF	CITATIONS
729	CdSe quantum dots stabilized by carboxylic-functionalized PVA: Synthesis and UV-vis spectroscopy characterization. <i>Materials Chemistry and Physics</i> , 2011, 125, 709-717.	2.0	78
730	Ionic liquid-assisted synthesis, structural characterization, and photocatalytic performance of CdS nanocrystals. <i>Materials Chemistry and Physics</i> , 2011, 130, 1175-1181.	2.0	13
731	β -MnS nano and micro architectures: Synthesis, characterization and optical properties. <i>Materials Research Bulletin</i> , 2011, 46, 1804-1810.	2.7	20
732	Solvothermal route to novel TiO ₂ capped ZnS nanowires. <i>Materials Letters</i> , 2011, 65, 3577-3579.	1.3	6
733	Microwave synthesis of BiPO ₄ nanostructures and their morphology-dependent photocatalytic performances. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 497-503.	5.0	160
734	Controllable Growth of Semiconductor Heterostructures Mediated by Bifunctional Ag ₂ S Nanocrystals as Catalyst or Source-Host. <i>Journal of the American Chemical Society</i> , 2011, 133, 148-157.	6.6	174
735	Growth Mechanism and Optical Properties Determination of CdS Nanostructures. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17633-17642.	1.5	60
736	Coalescence of magic sized CdSe into rods and wires and subsequent energy transfer. <i>Journal of Materials Chemistry</i> , 2011, 21, 11585.	6.7	9
737	Synthesis of Monodisperse Au, Ag, and Au@Ag Alloy Nanoparticles with Tunable Size and Surface Plasmon Resonance Frequency. <i>Chemistry of Materials</i> , 2011, 23, 4098-4101.	3.2	207
738	Characterization of CdTe nanocrystals during their synthesis in liquid paraffin: optical properties and particle growth. <i>Journal of Materials Science</i> , 2011, 46, 2338-2344.	1.7	3
739	Influence of Surfactants and Charges on CdSe Quantum Dots. <i>Journal of Cluster Science</i> , 2011, 22, 405-431.	1.7	35
740	Direct synthesis of indium nanoparticles and their application to prepare CuInS ₂ thin films and solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 162-169.	1.1	3
741	Synthesis of SERS active Au nanowires in different noncoordinating solvents. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2625-2632.	0.8	2
742	Nanoengineering of methylene blue loaded silica encapsulated magnetite nanospheres and nanocapsules for photodynamic therapy. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3619-3631.	0.8	14
743	Preparation and characterization of pseudocubic hematite particles by utilizing polyethylene amine nonionic surfactants in forced hydrolysis reaction. <i>Colloid and Polymer Science</i> , 2011, 289, 981-991.	1.0	7
744	Photoluminescence of colloidal CdSe nano-tetrapods and quantum dots in oxygenic and oxygen-free environments. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 279-284.	1.1	6
745	Controlled synthesis of monodispersed AgGaS ₂ 3D nanoflowers and the shape evolution from nanoflowers to colloids. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1227-1235.	1.4	9
746	Surfactant-assisted synthesis and magnetic properties of monodispersed manganese ferrite nanocrystals. <i>Journal of Central South University</i> , 2011, 18, 1371-1376.	1.2	1

#	ARTICLE	IF	CITATIONS
747	Formation of 1-D ZnTe nanocrystals by aerosol-assisted spray pyrolysis. Korean Journal of Chemical Engineering, 2011, 28, 1120-1125.	1.2	7
748	Formation Mechanisms of Uniform Nanocrystals via Hotâ€Injection and Heatâ€Up Methods. Small, 2011, 7, 2685-2702.	5.2	486
749	Growth and Stability of ZnTe Magicâ€Size Nanocrystals. Small, 2011, 7, 1247-1256.	5.2	39
750	Inâ€Situ Observation of Nucleation and Growth of PbSe Magicâ€Sized Nanoclusters and Regular Nanocrystals. Small, 2011, 7, 2250-2262.	5.2	50
751	Hybrid Auâ€CdSe and Agâ€CdSe Nanoflowers and Coreâ€Shell Nanocrystals via Oneâ€Pot Heterogeneous Nucleation and Growth. Small, 2011, 7, 3299-3307.	5.2	50
752	Synthesis and characterization of La(OH) ₃ nanopowders from hydrolysis of lanthanum carbide. Journal of Rare Earths, 2011, 29, 416-419.	2.5	11
753	Organicâ€Inorganic Nanocomposites by Placing Conjugated Polymers in Intimate Contact with Quantum Rods. Advanced Materials, 2011, 23, 2844-2849.	11.1	85
755	Homo- and Heterometallic Terbium Alkoxides - Synthesis, Characterization and Conversion to Luminescent Oxide Nanostructures. European Journal of Inorganic Chemistry, 2011, 2011, 2148-2157.	1.0	15
756	Structural and Size Effects on the Spectroscopic and Redox Properties of CdSe Nanocrystals in Solution: The Role of Defect States. ChemPhysChem, 2011, 12, 2280-2288.	1.0	45
757	Quantum Rodâ€Sensitized Solar Cells. ChemSusChem, 2011, 4, 1741-1744.	3.6	10
761	Selfâ€Assembly of Singleâ€Tip Metalâ€Semiconductor Nanorods in Selective Solvents. Angewandte Chemie - International Edition, 2011, 50, 4606-4610.	7.2	37
762	Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods. Angewandte Chemie - International Edition, 2011, 50, 3958-3962.	7.2	78
763	Microwaveâ€Assisted Synthesis of Colloidal Inorganic Nanocrystals. Angewandte Chemie - International Edition, 2011, 50, 11312-11359.	7.2	686
764	Controlled Synthesis of CdSe Quantum Dots by a Microwaveâ€Enhanced Process: A Green Approach for Mass Production. Chemistry - A European Journal, 2011, 17, 5737-5744.	1.7	44
765	Inorganic Sn ²⁺ â€Complexâ€Induced 1D, 2D, and 3D Copper Sulfide Superstructures from Anisotropic Hexagonal Nanoplate Building Blocks. Chemistry - A European Journal, 2011, 17, 10357-10364.	1.7	17
766	Gram-scale production of graphene oxideâ€TiO ₂ nanorod composites: Towards high-activity photocatalytic materials. Applied Catalysis B: Environmental, 2011, , .	10.8	20
767	Tubular CdS with mesoporous structure self-templated by cadmium complexes of oleate. Microporous and Mesoporous Materials, 2011, 143, 249-251.	2.2	9
768	Synthesis of high quality and stability CdS quantum dots with overlapped nucleation-growth process in large scale. Journal of Colloid and Interface Science, 2011, 354, 15-22.	5.0	30

#	ARTICLE	IF	CITATIONS
769	Synthesis, characterization and optical band gap of NiO nanoparticles derived from anthranilic acid precursors via a thermal decomposition route. <i>Polyhedron</i> , 2011, 30, 470-476.	1.0	143
770	An in vitro study of vascular endothelial toxicity of CdTe quantum dots. <i>Toxicology</i> , 2011, 282, 94-103.	2.0	114
771	A surfactant-free recipe for shape-controlled synthesis of CdSe nanocrystals. <i>Nanotechnology</i> , 2011, 22, 045604.	1.3	13
772	pH-sensitive photoluminescence for aqueous thiol-capped CdTe nanocrystals. <i>Nanotechnology</i> , 2011, 22, 315703.	1.3	34
773	Optimizing Two-Color Semiconductor Nanocrystal Immunoassays in Single Well Microtiter Plate Formats. <i>Sensors</i> , 2011, 11, 7879-7891.	2.1	23
774	Simplistic Attachment and Multispectral Imaging with Semiconductor Nanocrystals. <i>Sensors</i> , 2011, 11, 10557-10570.	2.1	8
775	Investigating the Growth Mechanism of CdSe Nano-Tetrapods. <i>Integrated Ferroelectrics</i> , 2012, 137, 98-104.	0.3	3
776	Doped Colloidal ZnO Nanocrystals. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8.	1.5	7
777	Study on the Photoelectric Properties of CdSe/MS Composite Film and its Potential Application in Biosensor Field. <i>Advanced Materials Research</i> , 2012, 560-561, 688-693.	0.3	0
778	Thermodynamic Study of Crystal Growth Behavior Based on Structural Analysis of Chemical Bonds. <i>Advanced Materials Research</i> , 2012, 602-604, 853-856.	0.3	5
779	Size Controlled Synthesis of 2-6 nm Gold Nanoparticles via Controlling Concentration of the Reducing Agent and Temperature. <i>Advanced Materials Research</i> , 0, 557-559, 572-576.	0.3	2
780	Colloidal quantum light sources based on asymmetric semiconductor nanocrystals. , 2012, , .		0
781	Characterization of nucleation and growth kinetics of the formation of water-soluble CdSe quantum dots by their optical properties. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 435303.	1.3	9
782	High Yield CdSe Nanocrystalline Fabrication by a Facial Way Based on Complex Ligands. <i>Integrated Ferroelectrics</i> , 2012, 135, 165-170.	0.3	0
784	Single Molecule Quantum-Confined Stark Effect Measurements of Semiconductor Nanoparticles at Room Temperature. <i>ACS Nano</i> , 2012, 6, 10013-10023.	7.3	111
785	Influence of Chloride Ions on the Synthesis of Colloidal Branched CdSe/CdS Nanocrystals by Seeded Growth. <i>ACS Nano</i> , 2012, 6, 11088-11096.	7.3	64
786	Precursor and Oxygen Dependence of the Unidirectional, Seeded Growth of CdSe Nanorods. <i>Chemistry of Materials</i> , 2012, 24, 4043-4050.	3.2	3
787	Controllable synthesis, magnetic and biocompatible properties of Fe ₃ O ₄ and $\hat{\pm}$ -Fe ₂ O ₃ nanocrystals. <i>Journal of Solid State Chemistry</i> , 2012, 196, 138-144.	1.4	40

#	ARTICLE	IF	CITATIONS
788	Geometric Effect of Single or Double Metal-Tipped CdSe Nanorods on Photocatalytic H ₂ Generation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3781-3785.	2.1	83
789	Magnetic Field Alignment of Randomly Oriented, High Aspect Ratio Silicon Microwires into Vertically Oriented Arrays. <i>ACS Nano</i> , 2012, 6, 10303-10310.	7.3	17
790	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012, 3, 1177.	5.8	368
791	Photophysical Properties of Au-CdTe Hybrid Nanostructures of Varying Sizes and Shapes. <i>ChemPhysChem</i> , 2012, 13, 3989-3996.	1.0	33
792	Variation in the structural and optical properties of ZnSe/ZnS core/shell nanocrystals with shell thickness. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	5
793	Manganous ion dictated morphology change and ferromagnetism in CdS nanocrystals. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	11
794	Morphological and luminescent evolution of near-infrared-emitting CdTe _x Se _{1-x} nanocrystals. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	5
795	Removal of Cu(II), Zn(II) and Pb(II) from water using microwave-assisted synthesized maghemite nanotubes. <i>Chemical Engineering Journal</i> , 2012, 211-212, 493-500.	6.6	137
796	Phase transformation, morphology evolution and luminescence property variation in Y ₂ O ₃ : Eu hollow microspheres. <i>Journal of Alloys and Compounds</i> , 2012, 542, 1-10.	2.8	14
797	Linearly arranged polytypic CZTSSe nanocrystals. <i>Scientific Reports</i> , 2012, 2, 952.	1.6	45
798	One-pot synthesis of Zn _{Lax} Fe _{2-2x} O ₄ clusters without any template and their possible application in water treatment. <i>Journal of Materials Chemistry</i> , 2012, 22, 6581.	6.7	30
799	Controlled synthesis of CdE (E = S, Se and Te) nanowires. <i>RSC Advances</i> , 2012, 2, 5243.	1.7	36
800	Synthesis, optical and photovoltaic properties of bismuth sulfide nanorods. <i>CrystEngComm</i> , 2012, 14, 3645.	1.3	49
801	Rapid microwave-enhanced hydrothermal synthesis and shape evolution of uniform NaGdF ₄ :Yb, Er (Tm/Ho) nanocrystals with upconversion and paramagnetic properties. <i>Nanotechnology</i> , 2012, 23, 225705.	1.3	33
802	Morphology Control of Cadmium Selenide Nanocrystals: Insights into the Roles of Di-n-octylphosphine Oxide (DOPO) and Di-n-octylphosphinic Acid (DOPA). <i>Journal of the American Chemical Society</i> , 2012, 134, 5369-5380.	6.6	68
803	Molten-droplet synthesis of composite CdSe hollow nanoparticles. <i>Nanotechnology</i> , 2012, 23, 495605.	1.3	10
804	The Big Impact of a Small Detail: Cobalt Nanocrystal Polymorphism as a Result of Precursor Addition Rate during Stock Solution Preparation. <i>Journal of the American Chemical Society</i> , 2012, 134, 17922-17931.	6.6	62
805	Solvent-Driven Room-Temperature Synthesis of Nanoparticles BiPO ₄ :Eu ³⁺ . <i>Inorganic Chemistry</i> , 2012, 51, 5869-5880.	1.9	67

#	ARTICLE	IF	CITATIONS
806	Synthesis, characterization and optical properties determination of millerite NiS nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1657-1661.	1.3	6
807	Understanding polycarbazole-based polymer:CdSe hybrid solar cells. Nanotechnology, 2012, 23, 315401.	1.3	23
808	Applications of Colloidal Inorganic Nanoparticles: From Medicine to Energy. Journal of the American Chemical Society, 2012, 134, 15607-15620.	6.6	388
809	Modeling Surface Passivation of ZnS Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 2740-2750.	1.5	27
810	Surfactant-Controlled Polymerization of Semiconductor Clusters to Quantum Dots through Competing Step-Growth and Living Chain-Growth Mechanisms. Journal of the American Chemical Society, 2012, 134, 17298-17305.	6.6	74
811	Mechanistic Study of the Synthesis of CdSe Nanocrystals: Release of Selenium. Journal of the American Chemical Society, 2012, 134, 1400-1403.	6.6	53
812	Selective growth of TiO ₂ tips on CdSe nanowires. Journal of Alloys and Compounds, 2012, 513, 14-17.	2.8	0
813	Synthesis and Characterization of Ultrathin Tin-Doped Zinc Oxide Nanowires. European Journal of Inorganic Chemistry, 2012, 2012, 4268-4272.	1.0	10
814	Sterically Stabilized Nanoparticles in Solutions and at Interfaces. , 2012, , 287-312.		0
815	Nanoparticles' Preparation, Characterization and Physical Properties. Frontiers of Nanoscience, 2012, 3, 43-127.	0.3	7
816	Nanoscale connectivity in a TiO ₂ /CdSe quantum dots/functionalized graphene oxide nanosheets/Au nanoparticles composite for enhanced photoelectrochemical solar cell performance. Physical Chemistry Chemical Physics, 2012, 14, 767-778.	1.3	42
817	Colloidal Semiconductor Quantum Dots with Tunable Surface Composition. Nano Letters, 2012, 12, 4465-4471.	4.5	201
818	Quantum Rod-Sensitized Solar Cell: Nanocrystal Shape Effect on the Photovoltaic Properties. Nano Letters, 2012, 12, 2095-2100.	4.5	121
820	Microwave-assisted synthesis of CdSe quantum dots: can the electromagnetic field influence the formation and quality of the resulting nanocrystals?. Nanoscale, 2012, 4, 7435.	2.8	25
821	Tungstate/titanate composite nanorod as an efficient visible light photo catalyst. Journal of Hazardous Materials, 2012, 235-236, 307-315.	6.5	26
822	Surfactant-assistant solvo/hydrothermal methods for preparation of nanoscale calcium aminodiphosphonates exhibiting high methylene blue adsorption affinity. Materials Research Bulletin, 2012, 47, 2126-2134.	2.7	7
823	Solution synthesis of copper selenide nanocrystals and their electrical transport properties. CrystEngComm, 2012, 14, 2139.	1.3	54
824	Mechanistic aspects of molecular formation and crystallization of zinc oxide nanoparticles in benzyl alcohol. Nanoscale, 2012, 4, 1982-1995.	2.8	53

#	ARTICLE	IF	CITATIONS
825	A Simple and Efficient Method for Synthesizing Te Nanowires from CdTe Nanoparticles with EDTA as Shape Controller under Hydrothermal Condition. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	4
826	Metal ion redox potential plays an important role in high-yield synthesis of monodisperse silver nanoparticles. <i>Chemical Communications</i> , 2012, 48, 4728.	2.2	36
828	Synthesis and Characterization of CdSe Quantum Dots by UV-Vis Spectroscopy. , 2012, , .		1
829	Preparation of Quantum Dot/Drug Nanoparticle Formulations for Traceable Targeted Delivery and Therapy. <i>Theranostics</i> , 2012, 2, 681-694.	4.6	106
830	Photothermal Spectroscopic Characterization in CdSe/ZnS and CdSe/CdS Quantum Dots: A Review and New Applications. , 2012, , .		7
831	A Facile One-Pot Synthesis of MSe (M = Cd or Zn) Nanoparticles Using Biopolymer as Passivating Agent. , 2012, , .		2
832	Synthesis and applications of CdSe nano-tetrapods in hybrid photovoltaic devices. <i>Pure and Applied Chemistry</i> , 2012, 84, 2549-2558.	0.9	5
833	Noninjection Facile Synthesis of Gram-Scale Highly Luminescent CdSe Multipod Nanocrystals. <i>Inorganic Chemistry</i> , 2012, 51, 531-535.	1.9	17
835	Facile Charge Propagation in CdS Quantum Dot Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7189-7199.	1.5	26
836	Functionalized mesoporous silica materials for controlled drug delivery. <i>Chemical Society Reviews</i> , 2012, 41, 3679.	18.7	1,263
837	New Insights into the Complexities of Shell Growth and the Strong Influence of Particle Volume in Nonblinking α -Giant α -Core/Shell Nanocrystal Quantum Dots. <i>Journal of the American Chemical Society</i> , 2012, 134, 9634-9643.	6.6	201
838	Molecular Control of the Nanoscale: Effect of Phosphine α -Chalcogenide Reactivity on CdS α -CdSe Nanocrystal Composition and Morphology. <i>ACS Nano</i> , 2012, 6, 5348-5359.	7.3	101
839	Low-Temperature Synthesis of Magic-Sized CdSe Nanoclusters: Influence of Ligands on Nanocluster Growth and Photophysical Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4380-4389.	1.5	71
840	Short-Lived, Intense and Narrow Bluish-Green Emitting Gold Zinc Sulfide Semiconducting Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16680-16686.	1.5	11
841	Ultralong CdTe Nanowires: Catalyst α -Free Synthesis and High α -Yield Transformation into Core α -Shell Heterostructures. <i>Advanced Functional Materials</i> , 2012, 22, 2402-2411.	7.8	31
842	Growth and Device Application of CdSe Nanostructures. <i>Advanced Functional Materials</i> , 2012, 22, 1551-1566.	7.8	122
843	Multifunctional Nanoparticle α -Loaded Spherical and Wormlike Micelles Formed by Interfacial Instabilities. <i>Advanced Materials</i> , 2012, 24, 2735-2741.	11.1	83
844	Crafting Semiconductor Organic α -Inorganic Nanocomposites via Placing Conjugated Polymers in Intimate Contact with Nanocrystals for Hybrid Solar Cells. <i>Advanced Materials</i> , 2012, 24, 4353-4368.	11.1	127

#	ARTICLE	IF	CITATIONS
846	An Electron Paramagnetic Resonance Spectroscopic Investigation on the Growth Mechanism of NaYF ₄ :Gd Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6506-6510.	7.2	47
847	Water-soluble Monodispersed Lanthanide Oxide Submicrospheres: PVP-Assisted Hydrothermal Synthesis, Size-Control and Luminescence Properties. <i>ChemPhysChem</i> , 2012, 13, 2610-2614.	1.0	13
848	Hybrid Polymer-Nanocrystal Materials for Photovoltaic Applications. <i>ChemPhysChem</i> , 2012, 13, 2471-2480.	1.0	39
849	Highly Water-Dispersible Fe ₃ O ₄ Single Nanocrystals: Gram-Scale Preparation by a Solution-Phase Route and Application for the Absorption of Cd ²⁺ in Water. <i>ChemPlusChem</i> , 2012, 77, 56-60.	1.3	5
850	Infrared colloidal lead chalcogenide nanocrystals: Synthesis, properties, and photovoltaic applications. <i>Nanoscale</i> , 2012, 4, 2187.	2.8	98
851	Enhanced Multiple Exciton Dissociation from CdSe Quantum Rods: The Effect of Nanocrystal Shape. <i>Journal of the American Chemical Society</i> , 2012, 134, 11289-11297.	6.6	134
852	Controllable synthesis and magnetic property of Fe/Fe ₃ O ₄ polyhedron synthesized by solvothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1527-1532.	1.1	7
853	Up/downconversion luminescence rare-earth ion-doped Y ₂ O ₃ 1D nanocrystals. <i>Science China Chemistry</i> , 2012, 55, 1242-1246.	4.2	2
854	Uniform thickness and colloidal-stable CdS quantum disks with tunable thickness: Synthesis and properties. <i>Nano Research</i> , 2012, 5, 337-351.	5.8	107
855	One-step synthesis of monodisperse Au-Ag alloy nanoparticles in a microreaction system. <i>Chemical Engineering Journal</i> , 2012, 189-190, 451-455.	6.6	25
856	Cu(OH) ₂ and CuO nanotube networks from hexaoxacyclooctadecane-like posnjakite microplates: Synthesis and electrochemical hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2336-2343.	3.8	28
857	Single step synthesis of 5-30nm monodisperse silica nanoparticles: Important experimental parameters and modeling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 393, 122-127.	2.3	15
858	Growth kinetics of platinum nanocrystals prepared by two different methods: Role of the surface. <i>Journal of Colloid and Interface Science</i> , 2012, 365, 117-121.	5.0	24
859	Synthesis and characterization of Mn doped ZnS d-dots with controllable dual-color emissions. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 178-182.	5.0	35
860	Templating CdSe tetrapods at the air/water interface with POPC lipids. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 58-63.	5.0	7
861	Aqueous synthesis and characterization of glutathione-stabilized HgS nanocrystals with near-infrared photoluminescence. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 8-13.	5.0	19
862	Water-soluble Ag ₂ S quantum dots for near-infrared fluorescence imaging in vivo. <i>Biomaterials</i> , 2012, 33, 5130-5135.	5.7	288
863	Facile green-synthesis and characterization of CdSe nanoneedles: An alternative to organometallic synthetic routes. <i>Materials Letters</i> , 2012, 68, 153-156.	1.3	11

#	ARTICLE	IF	CITATIONS
864	Enhancing the performance of dye-sensitized solar cells by benzoic acid modified TiO ₂ nanorod electrode. <i>Renewable Energy</i> , 2012, 38, 214-218.	4.3	36
865	Humidity sensing properties of nanocrystalline ZnWO ₄ with porous structures. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 799-804.	4.0	48
866	Chemical substitution of Cd ions by Hg in CdSe nanorods and nanodots: Spectroscopic and structural examination. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 744-749.	1.7	20
867	Synthesis of manganese oxide nanocrystal by ultrasonic bath: Effect of external magnetic field. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 830-840.	3.8	48
868	Solvothermal synthesis and luminescence properties of NaYF ₄ :Ln ³⁺ (Eu ³⁺ , Tb ³⁺ , Yb ³⁺ /Er ³⁺) nano- and microstructures. <i>Optical Materials</i> , 2012, 34, 1007-1012.	1.7	16
869	Preparation and photoluminescence characteristics of Tb-, Sm- and Dy-doped Y ₂ O ₃ nanofibers by electrospinning. <i>Journal of Luminescence</i> , 2012, 132, 81-85.	1.5	21
870	CdSe Magic-Sized Nuclei, Magic-Sized Nanoclusters and Regular Nanocrystals: Monomer Effects on Nucleation and Growth. <i>Advanced Materials</i> , 2012, 24, 1123-1132.	11.1	95
871	Synthesis, structure and electronic properties of ultranarrow CdS nanorods. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	17
872	The influence of applied magnetic fields on the optical properties of zero- and one-dimensional CdSe nanocrystals. <i>Nanoscale</i> , 2013, 5, 9049.	2.8	5
873	Synthesis and characterization of CdSe nanocrystalline thin films deposited by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1592-1598.	1.9	40
874	A Controlled Growth Process To Design Relatively Larger Size Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1183-1188.	1.5	10
875	Current methods of the synthesis of luminescent semiconductor nanocrystals for biomedical applications. <i>Nanotechnologies in Russia</i> , 2013, 8, 409-422.	0.7	3
876	A novel and high yield synthesis of CdSe nanowires. <i>Journal of Materials Science</i> , 2013, 48, 4983-4988.	1.7	4
877	Uniform wurtzite MnSe nanocrystals with surface-dependent magnetic behavior. <i>Nano Research</i> , 2013, 6, 275-285.	5.8	25
878	A general microwave-assisted two-phase strategy for nanocrystals synthesis. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 296-301.	5.0	9
879	Hydrothermal Realization of a Hierarchical, Flowerlike MnWO ₄ @MWCNTs Nanocomposite with Enhanced Reversible Li Storage as a New Anode Material. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2851-2858.	1.7	17
880	25th Anniversary Article: Colloidal Quantum Dot Materials and Devices: A Quarter-Century of Advances. <i>Advanced Materials</i> , 2013, 25, 4986-5010.	11.1	419
881	Compound Semiconductors: Chalcogenides. , 2013, , 177-210.		2

#	ARTICLE	IF	CITATIONS
882	Defining and Using Very Small Crystals. , 2013, , 343-369.		6
883	Trace Amounts of Water-Induced Distinct Growth Behaviors of NiO Nanostructures on Graphene in CO ₂ -Expanded Ethanol and Their Applications in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 7065-7071.	4.0	29
884	Molecular mechanism of monodisperse colloidal tin-doped indium oxide nanocrystals by a hot-injection approach. Nanoscale Research Letters, 2013, 8, 153.	3.1	25
885	Zinc Blende 0D Quantum Dots to Wurtzite 1D Quantum Wires: The Oriented Attachment and Phase Change in ZnSe Nanostructures. Journal of Physical Chemistry Letters, 2013, 4, 3292-3297.	2.1	41
886	Synthesis of NaYF ₄ :Eu ³⁺ /Tb ³⁺ nanostructures with diverse morphologies and their size- and morphology-dependent photoluminescence. CrystEngComm, 2013, 15, 8262.	1.3	18
887	Tunable luminescence in full color region based on CdSe/EuxSey hybrid nanocrystals. RSC Advances, 2013, 3, 22849.	1.7	7
888	Exciton Annihilation and Dissociation Dynamics in Group II-V Cd ₃ P ₂ Quantum Dots. Journal of Physical Chemistry A, 2013, 117, 6362-6372.	1.1	32
889	Layered Phosphonates in Colloidal Synthesis of Anisotropic ZnO Nanocrystals. Chemistry of Materials, 2013, 25, 4321-4329.	3.2	10
890	Monodisperse SnS Nanocrystals: In Just 5 Seconds. Journal of Physical Chemistry Letters, 2013, 4, 3929-3934.	2.1	40
891	Mimicking cellular transport mechanism in stem cells through endosomal escape of new peptide-coated quantum dots. Scientific Reports, 2013, 3, 2184.	1.6	37
893	Morphology-controlled synthesis of Y ₂ O ₃ :Eu ³⁺ and the photoluminescence property. Journal of Alloys and Compounds, 2013, 581, 590-595.	2.8	23
894	Hydrothermal synthesis and characterization of MnCo ₂ O ₄ in the low-temperature hydrothermal process: Their magnetism and electrochemical properties. Journal of Advanced Ceramics, 2013, 2, 266-273.	8.9	24
895	A facile approach to the synthesis of CdSe/P3HT nanocomposites. Journal of Polymer Research, 2013, 20, 1.	1.2	2
896	Nanowires and Nanostructures that Grow like Polymer Molecules. Advanced Materials, 2013, 25, 4829-4844.	11.1	23
897	One-pot synthesis of CdSe magic-sized nanocrystals using selenium dioxide as the selenium source compound. Chemical Engineering Journal, 2013, 230, 466-474.	6.6	16
898	Synthesis and characterization of mixed monolayer protected gold nanorods and their Raman activities. Materials Research Bulletin, 2013, 48, 4181-4185.	2.7	8
899	Rational Design, Green Synthesis, and Initial Evaluation of a Series of Full-Color Tunable Fluorescent Dyes Enabled by the Copper-Catalyzed N-Arylation of 6-Phenyl Pyridazinones and Their Application in Cell Imaging. Chemistry - A European Journal, 2013, 19, 13774-13782.	1.7	22
900	Single-crystal-like NiO colloidal nanocrystal-aggregated microspheres with mesoporous structure: Synthesis and enhanced electrochemistry, photocatalysis and water treatment properties. Journal of Solid State Chemistry, 2013, 206, 1-8.	1.4	16

#	ARTICLE	IF	CITATIONS
901	CHAPTER 11.5. Nanoparticles and Quantum Dots. , 2013, , 232-269.		0
902	Nanostructured metal chalcogenides: synthesis, modification, and applications in energy conversion and storage devices. <i>Chemical Society Reviews</i> , 2013, 42, 2986.	18.7	1,393
903	Basic Principles and Current Trends in Colloidal Synthesis of Highly Luminescent Semiconductor Nanocrystals. <i>Chemistry - A European Journal</i> , 2013, 19, 1534-1546.	1.7	96
904	Two-dimensional electronic spectroscopy of CdSe nanoparticles at very low pulse power. <i>Journal of Chemical Physics</i> , 2013, 138, 014705.	1.2	53
905	Ultrafast dynamics and single particle spectroscopy of Au@CdSe nanorods. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2141.	1.3	37
906	Single CdSe nanobelts-on-electrodes Schottky junction solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2089-2093.	5.2	16
907	Size-controlled synthesis and morphology evolution of bismuth trifluoride nanocrystals via a novel solvent extraction route. <i>Nanoscale</i> , 2013, 5, 518-522.	2.8	20
908	Microwave Synthesis of Metal Oxide Nanoparticles. , 2013, , 245-284.		12
909	Seed-mediated direct growth of CdSe nanoclusters on substrates. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	6
910	Rational Design of Hybrid Nanostructures for Advanced Photocatalysis. <i>Advanced Energy Materials</i> , 2013, 3, 12-27.	10.2	141
911	Preparation of nano-sized flower-like ZnO bunches by a direct precipitation method. <i>Advanced Powder Technology</i> , 2013, 24, 599-604.	2.0	31
912	Synthesis of various metal selenide nanostructures using the novel selenium precursor 1,5-bis(3-methylimidazole-2-selone)pentane. <i>CrystEngComm</i> , 2013, 15, 6483.	1.3	9
913	Sub-30 nm Fe ₃ O ₄ and γ -Fe ₂ O ₃ octahedral particles: preparation and microwave absorption properties. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	19
914	Influence of temperature and precursor concentration on the synthesis of HDA-capped Ag ₂ Se nanoparticles. <i>Materials Research Bulletin</i> , 2013, 48, 2196-2200.	2.7	4
915	Sizing by Weighing: Characterizing Sizes of Ultrasmall-Sized Iron Oxide Nanocrystals Using MALDI-TOF Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2013, 135, 2407-2410.	6.6	57
916	Synthesis of Ultrasmall and Magic-Sized CdSe Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 1199-1210.	3.2	120
917	Chemical Mechanisms of Semiconductor Nanocrystal Synthesis. <i>Chemistry of Materials</i> , 2013, 25, 1351-1362.	3.2	108
918	Nano@bio effects: interaction of nanomaterials with cells. <i>Nanoscale</i> , 2013, 5, 3547.	2.8	223

#	ARTICLE	IF	CITATIONS
919	First resonance energy transfer and carbon dots enhance light harvesting in a solid-state quantum dot solar cell. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3907.	5.2	80
920	Modified Phonon Confinement Model and Its Application to CdSe/CdS Core-Shell Magic-Sized Quantum Dots Synthesized in Aqueous Solution by a New Route. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1904-1914.	1.5	48
921	Shape-Programmed Nanofabrication: Understanding the Reactivity of Dichalcogenide Precursors. <i>ACS Nano</i> , 2013, 7, 3616-3626.	7.3	67
922	Organic-Free Self-Assembled Copper Sulfide Microflowers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2102-2108.	1.0	13
923	Conversion Reactions of Cadmium Chalcogenide Nanocrystal Precursors. <i>Chemistry of Materials</i> , 2013, 25, 1233-1249.	3.2	184
924	Quantum dots as a platform for nanoparticle drug delivery vehicle design. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 703-718.	6.6	375
925	Influences of infiltrated resin on properties of printed electrodes on non-sintered ceramic films. <i>Ceramics International</i> , 2013, 39, 4961-4967.	2.3	2
926	Synthesis of highly luminescent CdTe/CdS/ZnS quantum dots by a one-pot capping method. <i>Chemical Engineering Journal</i> , 2013, 226, 416-422.	6.6	29
927	Semiconducting and Plasmonic Copper Phosphide Platelets. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6762-6766.	7.2	90
928	Morphology control of YMn ₂ O ₅ nanocrystals by hydrothermal synthesis and their magnetic properties. <i>RSC Advances</i> , 2013, 3, 11888.	1.7	9
929	Enhancing the Efficiency of Solution-Processed Polymer:Colloidal Nanocrystal Hybrid Photovoltaic Cells Using Ethanedithiol Treatment. <i>ACS Nano</i> , 2013, 7, 4846-4854.	7.3	108
931	Interfacing Quantum Dots and Graphitic Surfaces with Chlorine Atomic Ligands. <i>ACS Nano</i> , 2013, 7, 2559-2565.	7.3	22
932	Thermodynamic control of iron pyrite nanocrystal synthesis with high photoactivity and stability. <i>Journal of Materials Chemistry A</i> , 2013, 1, 49-54.	5.2	28
933	Photoluminescence Enhancement of CdSe and CdSe/ZnS Nanocrystals by On-Surface Ligand Modification. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3550-3556.	1.0	8
934	Controlled Synthesis of Thorium and Uranium Oxide Nanocrystals. <i>Chemistry - A European Journal</i> , 2013, 19, 5297-5305.	1.7	59
935	Organic Molecules as Tools To Control the Growth, Surface Structure, and Redox Activity of Colloidal Quantum Dots. <i>Accounts of Chemical Research</i> , 2013, 46, 2607-2615.	7.6	68
936	Fast, High Yield, and High Solid Loading Synthesis of Metal Selenide Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 2476-2483.	3.2	64
937	Optical Properties and Exciton Dynamics of Alloyed Core/Shell/Shell Cd _{1-x} Zn _x Se/ZnSe/ZnS Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2893-2900.	4.0	82

#	ARTICLE	IF	CITATIONS
938	Biological Synthesis of Colloidal Gold Nanoprisms Using <i>Penicillium citrinum</i> . <i>Journal of Biomaterials and Nanobiotechnology</i> , 2013, 04, 20-27.	1.0	24
939	A CdS/Bi ₂ S ₃ bilayer and a poly(3,4-ethylenedioxythiophene)/Si interface control quantum dot solar cell performance. <i>Electrochimica Acta</i> , 2013, 105, 599-611.	2.6	19
940	Exciton Dynamics in Semiconductor Nanocrystals. <i>Advanced Materials</i> , 2013, 25, 2878-2896.	11.1	178
941	Colloidal Branched Semiconductor Nanocrystals: State of the Art and Perspectives. <i>Accounts of Chemical Research</i> , 2013, 46, 1387-1396.	7.6	94
942	Formation of Heteroepitaxy in Different Shapes of Au-CdSe Metal-Semiconductor Hybrid Nanostructures. <i>Small</i> , 2013, 9, 3424-3432.	5.2	57
943	Synthesis of multifarious hierarchical flower-like NiO and their gas-sensing properties. <i>Materials Research Bulletin</i> , 2013, 48, 2730-2736.	2.7	27
944	Optical studies of quantum dots. <i>Spectroscopic Properties of Inorganic and Organometallic Compounds</i> , 2013, , 123-155.	0.4	0
945	Material Diffusion and Doping of Mn in Wurtzite ZnSe Nanorods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6006-6012.	1.5	48
946	Uniform NaYF ₄ :Yb, Tm hexagonal submicroplates: Controlled synthesis and enhanced UV and blue upconversion luminescence. <i>Materials Research Bulletin</i> , 2013, 48, 300-304.	2.7	22
947	Hydrothermal synthesis of thiol-capped CdTe nanoparticles and their optical properties. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2903.	1.3	33
948	Preparation of Primary Amine Derivatives of the Magic-Size Nanocluster (CdSe) ₁₃ . <i>Inorganic Chemistry</i> , 2013, 52, 2933-2938.	1.9	44
949	Single molecule quantum-confined Stark effect measurements of semiconductor nanoparticles at room temperature. , 2013, , .		1
950	Three-dimensional hierarchical nickel-based hydroxides and oxides microspheres and their electrochemical properties. <i>Micro and Nano Letters</i> , 2013, 8, 745-748.	0.6	3
951	Insights into the Energy Levels of Semiconductor Nanocrystals by a Dopant Approach. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5052-5055.	7.2	19
952	Large-area Synthesis of Single-crystal PbTiO ₃ Nanobelts and Nanoflakes. <i>Chemistry Letters</i> , 2013, 42, 338-340.	0.7	1
953	Quantum Dot Synthesis Methods. , 2013, , 1-42.		0
956	Engineering colloidal quantum dots. , 2013, , 1-29.		2
957	Life Cycle Inventory of Semiconductor Cadmium Selenide Quantum Dots for Environmental Applications. , 2014, , 623-644.		1

#	ARTICLE	IF	CITATIONS
958	The Promotion of the Efficiency of Organic Photovoltaic Devices by Addition of Anisotropic CdSe Nanocrystals. International Journal of Photoenergy, 2014, 2014, 1-8.	1.4	0
959	Three bisphosphonate ligands improve the water solubility of quantum dots. Faraday Discussions, 2014, 175, 153-169.	1.6	5
960	Hybrid bulk heterojunction solar cells based on low band gap polymers and CdSe nanocrystals. Proceedings of SPIE, 2014, , .	0.8	2
961	Microwave-assisted Hydrothermal Synthesis of Single-crystal Nanorods of Rhabdophane-type Sr-doped LaPO_4. Journal of the American Ceramic Society, 2014, 97, 750-758.	1.9	11
962	Addressing Key Technical Aspects of Quantum Dot Probe Preparation for Bioassays. Particle and Particle Systems Characterization, 2014, 31, 1291-1299.	1.2	2
963	Mechanisms of SnO_2 Nanoparticles Formation and Growth in Acid Ethanol Solution Derived from SAXS and Combined Raman-XAS Time-Resolved Studies. Chemistry of Materials, 2014, 26, 6777-6785.	3.2	33
964	Analysis of structural and chemical features of CdHgSe nanocrystals via resonance Raman spectroscopy. Proceedings of SPIE, 2014, , .	0.8	1
965	Surface ligands affect photoinduced modulation of the quantum dots optical performance. Proceedings of SPIE, 2014, , .	0.8	6
966	Photoluminescence quantum yield of CdSe-ZnS/CdS/ZnS core-multishell quantum dots approaches 100% due to enhancement of charge carrier confinement. Proceedings of SPIE, 2014, , .	0.8	20
967	Synthesis of $\text{Bi}_2\text{O}_3/\text{C}$ hybrid nanocomposite as a high performance photocatalyst. Materials Letters, 2014, 136, 366-370.	1.3	11
968	The Renaissance of Iron Pyrite Photovoltaics: Progress, Challenges, and Perspectives. Green Energy and Technology, 2014, , 137-166.	0.4	1
969	Kinetics and Mechanisms of Aggregative Nanocrystal Growth. Chemistry of Materials, 2014, 26, 5-21.	3.2	447
970	CdSe@ZnS nanocomposites prepared by a mechanochemical route: No release of Cd^{2+} ions and negligible in vitro cytotoxicity. Materials Research Bulletin, 2014, 49, 302-309.	2.7	7
971	Deriving the colloidal synthesis of crystalline nanosheets to create self-assembly monolayers of nanoclusters. Advances in Colloid and Interface Science, 2014, 207, 347-360.	7.0	16
972	Cl-capped CdSe nanocrystals via in situ generation of chloride anions. Nanoscale, 2014, 6, 6812-6818.	2.8	13
973	CdSe nanocrystals: controlled growth and diameter-dependent photoluminescence. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	3
974	Phase-Pure FeSe_x ($x = 1, 2$) Nanoparticles with One- and Two-Photon Luminescence. Journal of the American Chemical Society, 2014, 136, 7189-7192.	6.6	41
975	Quantum dot based molecular solar cells. Coordination Chemistry Reviews, 2014, 263-264, 53-64.	9.5	88

#	ARTICLE	IF	CITATIONS
976	Extracellular bio-production and characterization of small monodispersed CdSe quantum dot nanocrystallites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 344-349.	2.0	38
977	Production and Storage of Energy with One-Dimensional Semiconductor Nanostructures. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 109-153.	6.8	9
978	Crystal Structure Control of CdSe Nanocrystals in Growth and Nucleation: Dominating Effects of Surface versus Interior Structure. <i>Journal of the American Chemical Society</i> , 2014, 136, 6724-6732.	6.6	110
979	The Magic-Size Nanocluster (CdSe) ₃₄ as a Low-Temperature Nucleant for Cadmium Selenide Nanocrystals; Room-Temperature Growth of Crystalline Quantum Platelets. <i>Chemistry of Materials</i> , 2014, 26, 2233-2243.	3.2	128
980	Synthesis of bright CdSe nanocrystals by optimization of low-temperature reaction parameters. <i>Journal of Materials Chemistry C</i> , 2014, 2, 675-682.	2.7	10
981	Inorganic chemistry solutions to semiconductor nanocrystal problems. <i>Coordination Chemistry Reviews</i> , 2014, 263-264, 182-196.	9.5	35
982	Electron Transport Limitation in P3HT:CdSe Nanorods Hybrid Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 894-902.	4.0	10
983	Isolation of Bright Blue Light-Emitting CdSe Nanocrystals with 6.5 kDa Core in Gram Scale: High Photoluminescence Efficiency Controlled by Surface Ligand Chemistry. <i>Chemistry of Materials</i> , 2014, 26, 1278-1285.	3.2	76
984	Highly Conductive Ribbons Prepared by Stick-Slip Assembly of Organosoluble Gold Nanoparticles. <i>ACS Nano</i> , 2014, 8, 1173-1179.	7.3	35
985	Photoluminescence of CdSe and CdSe/ZnS quantum dots: Modifications for making the invisible visible at ensemble and single-molecule levels. <i>Coordination Chemistry Reviews</i> , 2014, 263-264, 2-12.	9.5	26
986	Cubic Zincblende ZnSe Nanowires with an Entangling Structure Grown via Oriented Attachment and Their Application in Organic-Inorganic Heterojunction Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25816-25822.	1.5	16
987	Recent Advances in the Synthesis and Characterization of Chalcogenide Nanoparticles. <i>Solid State Phenomena</i> , 0, 222, 187-233.	0.3	21
988	Large-scale, solution-phase growth of semiconductor nanocrystals into ultralong one-dimensional arrays and study of their electrical properties. <i>Nanoscale</i> , 2014, 6, 6828-6836.	2.8	4
989	Solvent-Assisted Orientation of Poly(3-hexylthiophene)-Functionalized CdSe Nanorods Under an Electric Field. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1647-1653.	1.1	11
990	Determination of the energetics of formation of semiconductor/dendrimer nanohybrid materials: implications on the size and size distribution of nanocrystals. <i>RSC Advances</i> , 2014, 4, 13085.	1.7	5
991	Revisiting the coordination chemistry for preparing manganese oxide nanocrystals in the presence of oleylamine and oleic acid. <i>Nanoscale</i> , 2014, 6, 5918.	2.8	34
992	Shape controllable synthesis of NdFeO ₃ micro single crystals by a hydrothermal route. <i>CrystEngComm</i> , 2014, 16, 858-862.	1.3	42
993	Cyclic arginyl-glycyl-aspartic acid (RGD) peptide-induced synthesis of uniform and stable one-dimensional CdTe nanostructures in aqueous solution. <i>RSC Advances</i> , 2014, 4, 11794.	1.7	2

#	ARTICLE	IF	CITATIONS
994	Size-tunable synthesis and luminescent properties of Gd(OH) ₃ :Eu ³⁺ and Gd ₂ O ₃ :Eu ³⁺ hexagonal nano-/microprisms. CrystEngComm, 2014, 16, 6670-6679.	1.3	25
995	Low-cost Nanomaterials. Green Energy and Technology, 2014, , .	0.4	16
996	Rapid and multi-step, patterned electrophoretic deposition of nanocrystals using electrodes covered with dielectric barriers. Applied Physics Letters, 2014, 104, 053113.	1.5	10
997	Synthesis of hollow hydroxyapatite nanospheres by the control of nucleation and growth in a two phase system. Chemical Communications, 2014, 50, 12519-12522.	2.2	10
998	The Preparation of II-VI Semiconductor Nanomaterials. RSC Nanoscience and Nanotechnology, 2014, , 1-52.	0.2	0
999	Morphology and dopant-dependent optical characteristics of novel composite 1D and 3D-based heterostructures of CdSe nanocrystals and LaPO ₄ :Re (Re = Eu, Ce, Tb) metal phosphate nanowires. RSC Advances, 2014, 4, 34963-34980.	1.7	20
1000	S ₄ N ₄ as an intermediate in Ag ₂ S nanoparticle synthesis. RSC Advances, 2014, 4, 28219-28224.	1.7	18
1001	Size Modulation of Colloidal Au Nanoparticles via Digestive Ripening in Conjunction with a Solvated Metal Atom Dispersion Method: An Insight Into Mechanism. Journal of Physical Chemistry C, 2014, 118, 18214-18225.	1.5	30
1002	A phase transfer assisted solvo-thermal strategy for the synthesis of RE ₃ and Ln ³⁺ -doped RE ₃ nano-/microcrystals. Journal of Colloid and Interface Science, 2014, 436, 171-178.	5.0	6
1003	Rare-earth doped LaF ₃ hollow hexagonal nanoplates: hydrothermal synthesis and photoluminescence properties. CrystEngComm, 2014, 16, 7106-7114.	1.3	24
1004	Bottom-Up Synthesis of Nanosized Objects. , 2014, , 47-80.		2
1005	Solid-state phase transformation mechanism from hexagonal CdPO ₄ ·xH ₂ O nanorods to monoclinic nanoparticles. RSC Advances, 2014, 4, 31385.	1.7	29
1006	A General Strategy for Synthesizing Colloidal Semiconductor Zinc Chalcogenide Quantum Rods. Journal of the American Chemical Society, 2014, 136, 11121-11127.	6.6	69
1007	Ligand-free Ni nanocluster formation at atmospheric pressure via rapid quenching in a microplasma process. Nanotechnology, 2014, 25, 385601.	1.3	25
1008	Atomic Resolution Imaging of Gold Nanoparticle Generation and Growth in Ionic Liquids. Journal of the American Chemical Society, 2014, 136, 13789-13797.	6.6	61
1009	Structural and Electronic Properties of Bare and Capped Cd ₃₃ Se ₃₃ and Cd ₃₃ Te ₃₃ Quantum Dots. Journal of Physical Chemistry C, 2014, 118, 7094-7109.	1.5	32
1010	Formation of self-assembled quantum dot-chlorin e6 complex: influence of nanoparticles phospholipid coating. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	8
1011	Cellular uptake induced biotoxicity of surface-modified CdSe quantum dots. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	21

#	ARTICLE	IF	CITATIONS
1012	Supramolecular assemblies of semiconductor quantum dots and a bis(bipyridinium) derivative: luminescence quenching and aggregation phenomena. <i>RSC Advances</i> , 2014, 4, 29847-29854.	1.7	3
1013	Characterization and Optimization of the Fluorescence of Nanoscale Iron Oxide/Quantum Dot Complexes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14606-14616.	1.5	25
1014	A Simple Route to Alloyed Quaternary Nanocrystals Ag ⁺ In ²⁺ Zn ²⁺ S with Shape and Size Control. <i>Inorganic Chemistry</i> , 2014, 53, 5002-5012.	1.9	52
1015	Towards environmentally benign approaches for the synthesis of CZTSSe nanocrystals by a hot injection method: a status review. <i>Chemical Communications</i> , 2014, 50, 11258.	2.2	94
1016	Enhancement of Two-Photon Absorption Cross Section in CdSe Quantum Rods. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17914-17921.	1.5	38
1017	Polytypism in ZnS, ZnSe, and ZnTe: First-principles study. <i>Physical Review B</i> , 2014, 89, .	1.1	42
1018	Ultra-small fluorescent inorganic nanoparticles for bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2793-2818.	2.9	104
1019	Antiangiogenic effect of silicate nanoparticles on corneal neo-vascularisation induced by vascular endothelial growth factor. <i>Journal of Medical Hypotheses and Ideas</i> , 2014, 8, 14-20.	0.7	4
1020	High-yield water-based synthesis of truncated silver nanocubes. <i>Journal of Alloys and Compounds</i> , 2014, 586, 507-511.	2.8	31
1021	In situ electron microscopy investigation of void healing in an Al ⁺ Mg ⁺ Er alloy at a low temperature. <i>Acta Materialia</i> , 2014, 69, 236-245.	3.8	23
1022	Exciton Localization and Dissociation Dynamics in CdS and CdS ⁺ Pt Quantum Confined Nanorods: Effect of Nonuniform Rod Diameters. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14062-14069.	1.2	44
1023	Shape Evolution of CdSe Nanoparticles Controlled by Halogen Compounds. <i>Chemistry of Materials</i> , 2014, 26, 1813-1821.	3.2	65
1024	Preparation and characterization of uniform pseudocubic hematite particles by utilizing polyethylene oxide polymers in forced hydrolysis reaction. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 795-801.	0.5	2
1025	Photoinduced modification of quantum dot optical properties affects bacteriorhodopsin photocycle in a (quantum dot)- bacteriorhodopsin hybrid material. <i>Journal of Physics: Conference Series</i> , 2014, 541, 012045.	0.3	5
1026	Nanotechnology in Industrial Wastewater Treatment. <i>Water Intelligence Online</i> , 0, 13, .	0.3	7
1028	Shape Dependent Structural Stability, Electronic and Optical Properties of CdO Nanowire. , 2015, , .		1
1029	Structural and Optical Properties of Gd _{2-x} Sm _x O ₃ Nanorods. <i>Materials Today: Proceedings</i> , 2015, 2, 3684-3689.	0.9	1
1030	Harnessing Intracellular Biochemical Pathways for In Vitro Synthesis of Designer Tellurium Nanorods. <i>Small</i> , 2015, 11, 5416-5422.	5.2	19

#	ARTICLE	IF	CITATIONS
1032	â€˜Imperfectâ€™™ conjugated polymer nanoparticles from MEHâ€˜PPV for bioimaging and Fe(III) sensing. Luminescence, 2015, 30, 451-456.	1.5	17
1033	Monodisperse AgSbS ₂ Nanocrystals: Sizeâ€˜Control Strategy, Largeâ€˜Scale Synthesis, and Photoelectrochemistry. Chemistry - A European Journal, 2015, 21, 11143-11151.	1.7	31
1034	Stability of luminescence in LaPO ₄ LaPO ₄ :RE ³⁺ (RE=â€˜Dy, Eu) nanophosphors. Luminescence, 2015, 30, 144-154.	1.5	14
1035	Synthesis, Structural and Optical Properties of TOPO and HDA Capped Cadmium Sulphide Nanocrystals, and the Effect of Capping Ligand Concentration. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	19
1036	Facile preparation and bifunctional imaging of Eu-doped GdPO ₄ nanorods with MRI and cellular luminescence. Dalton Transactions, 2015, 44, 3934-3940.	1.6	39
1037	Voltammetric determination of size and particle concentration of Cd-based quantum dots. Electrochimica Acta, 2015, 166, 100-106.	2.6	19
1038	Physical approaches to tuning luminescence process of colloidal quantum dots and applications in optoelectronic devices. , 2015, , 289-321.		0
1039	Photoelectrochemical properties of ZnO nanocrystals/MEH-PPV composite: The effects of nanocrystals synthetic route, film deposition and electrolyte composition. Thin Solid Films, 2015, 595, 157-163.	0.8	8
1040	Optical enhancement of photoluminescence with colloidal quantum dots. , 2015, , .		0
1041	Semiconductor Nanocrystal Quantum Dot Synthesis Approaches Towards Large-Scale Industrial Production for Energy Applications. Nanoscale Research Letters, 2015, 10, 469.	3.1	73
1042	Mechanistic Study of the Formation of Bright White Light-Emitting Ultrasmall CdSe Nanocrystals: Role of Phosphine Free Selenium Precursors. Chemistry of Materials, 2015, 27, 1057-1070.	3.2	41
1043	Single-crystal octahedral CoFe ₂ O ₄ nanoparticles loaded on carbon balls as a lightweight microwave absorbent. Journal of Alloys and Compounds, 2015, 633, 11-17.	2.8	30
1044	Two-Step Nucleation and Growth of InP Quantum Dots via Magic-Sized Cluster Intermediates. Chemistry of Materials, 2015, 27, 1432-1441.	3.2	240
1045	In Situ Transmission Electron Microscopy of Cadmium Selenide Nanorod Sublimation. Journal of Physical Chemistry Letters, 2015, 6, 605-611.	2.1	22
1046	Magic-Size IIâ€˜VI Nanoclusters as Synthons for Flat Colloidal Nanocrystals. Inorganic Chemistry, 2015, 54, 1165-1177.	1.9	106
1047	The Heat-Up Synthesis of Colloidal Nanocrystals. Chemistry of Materials, 2015, 27, 2246-2285.	3.2	313
1048	Highly selective growth of TiO ₂ nanoparticles on one tip of CdS nanowires. Journal of Alloys and Compounds, 2015, 646, 1004-1008.	2.8	3
1049	Structural and optical characterization of CuInS ₂ quantum dots synthesized by microwave-assisted continuous flow methods. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	20

#	ARTICLE	IF	CITATIONS
1050	Hydrothermal synthesis, growth mechanism and gas sensing properties of Zn-doped Fe_2O_3 microcubes. <i>Ceramics International</i> , 2015, 41, 13224-13231.	2.3	31
1051	Efficient hot-electron transfer by a plasmon-induced interfacial charge-transfer transition. <i>Science</i> , 2015, 349, 632-635.	6.0	951
1052	Bowl-shaped superstructures of CdSe nanocrystals with the narrow-sized distribution for a high-performance photoswitch. <i>Chemical Physics Letters</i> , 2015, 633, 76-81.	1.2	6
1053	One-pot synthesis of Au/Ag bimetallic nanoparticles to modulate the emission of CdSe/CdS quantum dots. <i>RSC Advances</i> , 2015, 5, 58163-58170.	1.7	7
1054	Exciton Generation in Semiconductor Nanocrystals via the Near-Field Plasmon Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15562-15571.	1.5	18
1055	Vibrational and thermal studies of CdSe nanorods. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 412-417.	1.9	7
1056	Quantifying the density of surface capping ligands on semiconductor quantum dots. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
1057	CdSe quantum dots capped with naturally occurring biobased oils. <i>New Journal of Chemistry</i> , 2015, 39, 7251-7259.	1.4	25
1058	Solution-Phase Synthesis of Cesium Lead Halide Perovskite Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 9230-9233.	6.6	861
1059	Templating Influence of Molecular Precursors on $\text{Pr}(\text{OH})_3$ Nanostructures. <i>Inorganic Chemistry</i> , 2015, 54, 6267-6280.	1.9	14
1060	Narrow with tunable optical band gap of CdS based core shell nanoparticles: Applications in pollutant degradation and solar cells. <i>Journal of Luminescence</i> , 2015, 165, 30-39.	1.5	39
1061	Synthesis and Characterization of Gallium-Doped CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10749-10757.	1.5	17
1062	A Trialkylphosphine-Driven Chemical Transformation Route to Ag- and Bi-Based Chalcogenides. <i>Journal of the American Chemical Society</i> , 2015, 137, 5390-5396.	6.6	39
1063	Nonlinear optical properties of CdTe nanocrystals synthesized by a green room temperature solution method. <i>Applied Physics B: Lasers and Optics</i> , 2015, 118, 567-572.	1.1	10
1064	Effect of pH on the microstructure and luminescence of Eu^{3+} -doped BiPO_4 phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3744-3749.	1.1	2
1065	Anchor Groups Effect on Spectroscopic and Electrochemical Properties of Quaternary Nanocrystals $\text{Cu}^{\text{II}}\text{In}^{\text{II}}\text{Zn}^{\text{II}}\text{S}$ Capped with Arylamine Derivatives. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9656-9664.	1.5	19
1067	Zinc Chalcogenide Seed-Mediated Synthesis of CdSe Nanocrystals: Nails, Chesses and Tetrahedrons. <i>Chemistry of Materials</i> , 2015, 27, 3055-3064.	3.2	20
1068	Study of surfactant-free lead sulfide nanocrystals-P3HT hybrid polymer solar cells. <i>Organic Electronics</i> , 2015, 22, 44-50.	1.4	12

#	ARTICLE	IF	CITATIONS
1069	Size-dependent ligand exchange of colloidal CdSe nanocrystals with S ²⁻ ions. RSC Advances, 2015, 5, 90570-90577.	1.7	8
1070	Advances in nanoscale alloys and intermetallics: low temperature solution chemistry synthesis and application in catalysis. Dalton Transactions, 2015, 44, 18692-18717.	1.6	22
1071	Toward Facet Engineering of CdS Nanocrystals and Their Shape-Dependent Photocatalytic Activities. Journal of Physical Chemistry C, 2015, 119, 20555-20560.	1.5	78
1072	Confined growth of CdSe quantum dots in colloidal mesoporous silica for multifunctional nanostructures. Science China Materials, 2015, 58, 481-489.	3.5	8
1073	Rapid microwave synthesis of white light emitting magic sized nano clusters of CdSe: role of oleic acid. RSC Advances, 2015, 5, 76733-76742.	1.7	19
1074	Fabrication of Sub-Lithography-Limited Structures via Nanomasking Technique for Plasmonic Enhancement Applications. IEEE Nanotechnology Magazine, 2015, 14, 790-793.	1.1	19
1075	Wet-Chemical Synthesis and Manipulation of Upconversion Nanoparticles. Nanostructure Science and Technology, 2015, , 21-71.	0.1	0
1076	Thermodynamics versus Kinetics in Nanosynthesis. Angewandte Chemie - International Edition, 2015, 54, 2022-2051.	7.2	400
1077	Synthesis and Luminescence of BiPO ₄ :Tb ³⁺ Nanowires by a Hydrothermal Process. Materials and Manufacturing Processes, 2015, 30, 591-594.	2.7	4
1078	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. Journal of the American Chemical Society, 2015, 137, 742-749.	6.6	58
1079	Understanding the stability and reactivity of ultrathin tellurium nanowires in solution: An emerging platform for chemical transformation and material design. Nano Research, 2015, 8, 1081-1097.	5.8	45
1080	Synthesis and characterization of composition-gradient based CdxZn1-xSeyS1-y heterostructured quantum dots. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 129-141.	0.8	1
1081	Facile Microwave-Assisted Synthesis of Klockmannite CuSe Nanosheets and Their Exceptional Electrical Properties. Scientific Reports, 2014, 4, 5998.	1.6	57
1082	Carbon dots as a luminescence sensor for ultrasensitive detection of phosphate and their bioimaging properties. Luminescence, 2015, 30, 411-415.	1.5	76
1083	Photoinduced interaction of CdSe quantum dot with coumarins. Journal of Luminescence, 2015, 159, 26-31.	1.5	13
1084	Hierarchical nanostructures of nickel-doped zinc oxide: Morphology controlled synthesis and enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2015, 618, 318-325.	2.8	44
1085	The Effect of Fatty Amine Chain Length on Synthesis Process of Inp/Zns Quantum Dots. Oriental Journal of Chemistry, 2016, 32, 2163-2169.	0.1	8
1086	Recent progress of ZnO hierarchical nanostructure for photovoltaic application. International Journal of Nanomanufacturing, 2016, 12, 336.	0.3	2

#	ARTICLE	IF	CITATIONS
1087	Recent Progress on Solution-Processed CdTe Nanocrystals Solar Cells. Applied Sciences (Switzerland), 2016, 6, 197.	1.3	24
1088	Complex-Morphology Metal-Based Nanostructures: Fabrication, Characterization, and Applications. Nanomaterials, 2016, 6, 110.	1.9	76
1089	Phosphonic acids as stabilizing ligands for cadmium chalcogenide colloidal quantum dots. Russian Chemical Bulletin, 2016, 65, 1902-1909.	0.4	6
1090	New approaches for calculating absolute surface energies of wurtzite (0001)/(0001 \bar{A}): A study of ZnO and GaN. Journal of Applied Physics, 2016, 119, .	1.1	39
1091	Dimensional crossover in semiconductor nanostructures. Nature Communications, 2016, 7, 12726.	5.8	17
1092	Experimental Evaluation of Kinetic and Thermodynamic Reaction Parameters of Colloidal Nanocrystals. Chemistry of Materials, 2016, 28, 3831-3838.	3.2	8
1093	Effects of multi-walled carbon nanotubes on the electrogenerated chemiluminescence and fluorescence of CdTe quantum dots. Analytical and Bioanalytical Chemistry, 2016, 408, 7049-7057.	1.9	11
1094	Synthesis, characterization and spectral temperature-dependence of thioglycerol-CdSe nanocrystals. Journal of Luminescence, 2016, 177, 402-408.	1.5	21
1095	Core and surface engineering in binary, ternary and quaternary semiconductor nanocrystals—A critical review. Synthetic Metals, 2016, 222, 93-114.	2.1	13
1096	High Quality Ultrathin Lanthanide Selenide Nanostructures with Dual Modal Functionalities. Chemistry of Materials, 2016, 28, 2507-2510.	3.2	9
1097	Reducing Blinking in Small Core–Multishell Quantum Dots by Carefully Balancing Confinement Potential and Induced Lattice Strain: The “Goldilocks” Effect. ACS Nano, 2016, 10, 4072-4082.	7.3	41
1098	pH-regulative synthesis of Na ₃ (VPO ₄) ₂ F ₃ nanoflowers and their improved Na cycling stability. Journal of Materials Chemistry A, 2016, 4, 7178-7184.	5.2	84
1099	Paper-based biodetection using luminescent nanoparticles. Analyst, The, 2016, 141, 2838-2860.	1.7	45
1100	Synthesis of Highly Luminescent CdSe/ZnCdS Quantum Dots with Deep-Red Emissions. Materials Science Forum, 0, 848, 466-471.	0.3	0
1101	Direct Observation of Photoexcited Hole Localization in CdSe Nanorods. ACS Energy Letters, 2016, 1, 76-81.	8.8	17
1102	Molecular-Counting-Free and Electrochemiluminescent Single-Molecule Immunoassay with Dual-Stabilizers-Capped CdSe Nanocrystals as Labels. Analytical Chemistry, 2016, 88, 5482-5488.	3.2	80
1103	Size-dependent CdSe quantum dot–lysozyme interaction and effect on enzymatic activity. RSC Advances, 2016, 6, 46744-46754.	1.7	31
1104	Shape and stoichiometry control of bismuth selenide nanocrystals in colloidal synthesis. RSC Advances, 2016, 6, 47840-47843.	1.7	10

#	ARTICLE	IF	CITATIONS
1105	Acetone gas sensor based on Ag_2WO_4 nanorods obtained via a microwave-assisted hydrothermal route. <i>Journal of Alloys and Compounds</i> , 2016, 683, 186-190.	2.8	66
1106	Effect of Tb^{3+} doping and self-generated pressure on the crystallographic/morphological features and thermal stability of $\text{LaPO}_4 \cdot n\text{H}_2\text{O}$ single-crystal nanorods obtained by microwave-assisted hydrothermal synthesis. <i>Ceramics International</i> , 2016, 42, 18074-18086.	2.3	7
1107	Shining Light on Indium Phosphide Quantum Dots: Understanding the Interplay among Precursor Conversion, Nucleation, and Growth. <i>Chemistry of Materials</i> , 2016, 28, 7181-7189.	3.2	103
1108	Photocatalytic Hydrogen Generation by CdSe/CdS Nanoparticles. <i>Nano Letters</i> , 2016, 16, 5347-5352.	4.5	162
1109	Controllable synthesis of elongated hexagonal bipyramid shaped $\text{La}(\text{OH})_3$ nanorods and the distribution of electric property by off-axis electron holography. <i>Nano Research</i> , 2016, 9, 2561-2571.	5.8	11
1110	Controlled spatial dispersion of CdSe tetrapod nanocrystals with amphiphilic block copolymer particles. <i>Polymer</i> , 2016, 99, 399-403.	1.8	1
1111	Phosphonic acids aid composition adjustment in the synthesis of $\text{Cu}_{2+x}\text{Zn}_{1-x}\text{SnSe}_4$ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	5
1112	Understanding of the major reactions in solution synthesis of functional nanomaterials. <i>Science China Materials</i> , 2016, 59, 938-996.	3.5	86
1113	Facile synthesis of CdSe quantum dots in a high-boiling two-phase liquid/liquid system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 378-382.	2.3	7
1114	Spectroscopic profile of surfactant functionalized CdSe quantum dots and their interaction with globular plasma protein BSA. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 495-506.	2.3	14
1115	Doped or Not Doped: Ionic Impurities for Influencing the Phase and Growth of Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2016, 28, 5224-5237.	3.2	36
1116	Two-Dimensional Colloidal Nanocrystals. <i>Chemical Reviews</i> , 2016, 116, 10934-10982.	23.0	412
1117	Charge Transfer Dynamics in CdS and $\text{CdSe}@\text{CdS}$ Based Hybrid Nanorods Tipped with Both PbS and Pt . <i>Journal of Physical Chemistry C</i> , 2016, 120, 15453-15459.	1.5	13
1118	Cd -Containing Quantum Dots for Biomedical Imaging. , 2016, , 111-158.		1
1119	Growth of ZnO nanostructures on polyurethane foam using the successive ionic layer adsorption and reaction (SILAR) method for photocatalytic applications. <i>CrystEngComm</i> , 2016, 18, 9103-9112.	1.3	12
1120	Nonclassical nucleation and growth of inorganic nanoparticles. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	343
1121	High near-infrared absorbing Cu_5FeS_4 nanoparticles for dual-modal imaging and photothermal therapy. <i>Nanoscale</i> , 2016, 8, 13368-13376.	2.8	45
1122	Direct Synthesis of CdSe Nanocrystals with Electroactive Ligands. <i>Chemistry of Materials</i> , 2016, 28, 4953-4961.	3.2	7

#	ARTICLE	IF	CITATIONS
1124	Photocatalytic activity of different morphology BiPO ₄ supported on zeolite. Journal of Energy Chemistry, 2016, 25, 621-626.	7.1	9
1125	Competition of branch-to-core exciton localization and interfacial electron transfer in CdSe tetrapods. Chemical Physics, 2016, 471, 32-38.	0.9	11
1126	Morphology control of BiFeO ₃ aggregates via hydrothermal synthesis. Journal of Applied Crystallography, 2016, 49, 168-174.	1.9	16
1127	Critical Red Components for Next-Generation White LEDs. Journal of Physical Chemistry Letters, 2016, 7, 495-503.	2.1	401
1128	Raman analysis of chemical substitution of Cd atoms by Hg in CdSe quantum dots and rods. Optical Engineering, 2016, 55, 017104.	0.5	2
1129	Sensitive and selective determining ascorbic acid and activity of alkaline phosphatase based on electrochemiluminescence of dual-stabilizers-capped CdSe quantum dots in carbon nanotube-nafion composite. Talanta, 2016, 154, 175-182.	2.9	21
1130	Shape-controlled synthesis of Fe ₃ O ₄ nanocrystals with incontinuous multicavities. Chemical Research in Chinese Universities, 2016, 32, 159-164.	1.3	6
1131	Sub-2 nm cobalt oxide cluster catalyst supported on alumina for efficient water oxidation. Applied Catalysis A: General, 2016, 521, 154-159.	2.2	5
1132	High Quantum Yield CdSe/ZnS/CdS/ZnS Multishell Quantum Dots for Biosensing and Optoelectronic Applications. Materials Today: Proceedings, 2016, 3, 104-108.	0.9	37
1133	Hydrothermal conversion of layered hydroxide nanosheets into (Y _{0.95} Eu _{0.05})PO ₄ and (Y _{0.96x} Tb _{0.04x} Eu _x)PO ₄ (x = 0-0.10) nanocrystals for red and color-tailorable emission. RSC Advances, 2016, 6, 22690-22699.	1.7	23
1134	Porous Silicon Microcavity Modulates the Photoluminescence Spectra of Organic Polymers and Quantum Dots. Materials Today: Proceedings, 2016, 3, 485-490.	0.9	8
1135	Theoretical study of ligand and solvent effects on optical properties and stabilities of CdSe nanoclusters. Journal of Molecular Structure, 2016, 1114, 123-131.	1.8	16
1136	Entropic Ligands for Nanocrystals: From Unexpected Solution Properties to Outstanding Processability. Nano Letters, 2016, 16, 2133-2138.	4.5	174
1137	Synthesis of High-Quality MnSe Nanostructures with Superior Lithium Storage Properties. Inorganic Chemistry, 2016, 55, 2765-2770.	1.9	66
1138	Effect of deposition temperature on structural, optical properties and configuration of CdSe nanocrystalline thin films deposited by chemical bath deposition. Materials Science in Semiconductor Processing, 2016, 43, 177-181.	1.9	19
1139	Mechanistic evaluation of the size dependent antimicrobial activity of water soluble QDs. Analytical Methods, 2016, 8, 1060-1068.	1.3	8
1140	Size tunable synthesis of HDA and TOPO capped ZnSe nanoparticles via a facile aqueous/thermolysis hybrid solution route. Journal of Materials Science: Materials in Electronics, 2016, 27, 3880-3887.	1.1	3
1141	Photoconductivity of composites based on CdSe quantum dots and low-band-gap polymers. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 79, 206-211.	1.3	16

#	ARTICLE	IF	CITATIONS
1142	Hot injection versus room temperature synthesis of CdSe quantum dots: A differential spectroscopic and bioanalyte sensing efficacy evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 494, 162-169.	2.3	36
1143	One pot synthesis of CdS/TiO ₂ hetero-nanostructures for enhanced H ₂ production from water and removal of pollutants from aqueous streams. <i>Materials Research Bulletin</i> , 2016, 73, 377-384.	2.7	16
1144	Solution-phase synthesis of transition metal oxide nanocrystals: Morphologies, formulae, and mechanisms. <i>Advances in Colloid and Interface Science</i> , 2017, 244, 199-266.	7.0	73
1145	Gelatin-immobilized High Aspect Ratio Gold Nanocrystals: An Efficient Catalyst for 4-Nitrophenol Reduction. <i>Advances in Polymer Technology</i> , 2017, 36, 301-308.	0.8	2
1146	Status review on earth-abundant and environmentally green Sn-X (X=Se, S) nanoparticle synthesis by solution methods for photovoltaic applications. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2790-2831.	3.8	59
1147	Continuous Flow Synthesis of Anisotropic Cadmium Selenide and Zinc Selenide Nanoparticles. <i>ChemNanoMat</i> , 2017, 3, 204-211.	1.5	16
1148	Recent Advances on Quantum-Dot-Enhanced Liquid-Crystal Displays. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-11.	1.9	132
1149	Aspect ratio tuned red-shift of photoluminescence emission of PbSe nanorods investigated by electron holography. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 385-392.	5.0	4
1150	Highly luminescent blue-emitting CdZnS/ZnS nanorods having electric-field-induced fluorescence switching properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2098-2106.	2.7	13
1151	Shell-Dependent Photoluminescence Studies Provide Mechanistic Insights into the Off/On Transitions of Blinking Quantum Dots. <i>ACS Nano</i> , 2017, 11, 2905-2916.	7.3	20
1152	Investigation of biocompatible and protein sensitive highly luminescent quantum dots/nanocrystals of CdSe, CdSe/ZnS and CdSe/CdS. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 201-210.	2.0	47
1153	Photoelectrochemical hydrogen production at peak efficiency over 10% via PbSe QDs/TiO ₂ nanotube array photoanodes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10962-10970.	3.8	21
1154	Colloidal metal oxide nanocrystals as charge transporting layers for solution-processed light-emitting diodes and solar cells. <i>Chemical Society Reviews</i> , 2017, 46, 1730-1759.	18.7	99
1155	The influence of the quantum dot/polymethylmethacrylate composite preparation method on the stability of its optical properties under laser radiation. <i>Optics and Spectroscopy (English Translation)</i> Tj ETQq1 1 0.784314 rgBT /Over	0.784314	1
1156	Facile synthesis of CdO nanorods and exploiting its properties towards supercapacitor electrode materials and low power UV irradiation driven photocatalysis against methylene blue dye. <i>Materials Research Bulletin</i> , 2017, 90, 224-231.	2.7	71
1157	Tunable (violet to green) emission by high-yield graphene quantum dots and exploiting its unique properties towards sun-light-driven photocatalysis and supercapacitor electrode materials. <i>Materials Today Communications</i> , 2017, 11, 76-86.	0.9	96
1158	Solvent co-mediated synthesis of ultrathin BiOCl nanosheets with highly efficient visible-light photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 10235-10241.	1.7	31
1159	Easy, one-step synthesis of CdTe quantum dots via microwave irradiation for fingerprinting application. <i>Materials Research Bulletin</i> , 2017, 90, 260-265.	2.7	21

#	ARTICLE	IF	CITATIONS
1160	Compound Copper Chalcogenide Nanocrystals. <i>Chemical Reviews</i> , 2017, 117, 5865-6109.	23.0	670
1161	Chemical Synthesis, Doping, and Transformation of Magic-Sized Semiconductor Alloy Nanoclusters. <i>Journal of the American Chemical Society</i> , 2017, 139, 6761-6770.	6.6	84
1162	Effect of thickness on the performance of hybrid solar cells fabricated using surfactant free lead sulfide quantum dots and poly(3-hexylthiophene-2,5-diyl) polymer. <i>Thin Solid Films</i> , 2017, 631, 180-188.	0.8	2
1163	Growth of Bulk Sodium Acid Phthalate (NaAP) Crystals for High Frequency Laser Generation in Nonlinear Optical Applications. <i>Materials Today: Proceedings</i> , 2017, 4, 758-762.	0.9	1
1164	Functionalized self-assembly of colloidal CdX (X = S, Se) nanorods on solid substrates for device applications. <i>Nanoscale</i> , 2017, 9, 8066-8079.	2.8	18
1165	Self-Supported Bi ₂ MoO ₆ Nanowall for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23647-23653.	4.0	59
1166	One-Dimensional Carrier Confinement in Giant CdS/CdSe Excitonic Nanoshells. <i>Journal of the American Chemical Society</i> , 2017, 139, 7815-7822.	6.6	44
1167	Efficient Charge Extraction from CdSe/ZnSe Dots-on-Plates Nanoheterostructures. <i>ACS Omega</i> , 2017, 2, 2231-2237.	1.6	12
1168	Ligand-Controlled Formation and Photoluminescence Properties of CH ₃ NH ₃ PbBr ₃ Nanocubes and Nanowires. <i>ChemNanoMat</i> , 2017, 3, 303-310.	1.5	57
1169	Designing the morphology of PbS nanoparticles through a single source precursor method. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 593-598.	2.4	19
1170	Atomic Scale Study on Growth and Heteroepitaxy of ZnO Monolayer on Graphene. <i>Nano Letters</i> , 2017, 17, 120-127.	4.5	120
1171	Quantifying Cation Exchange of Cd ²⁺ in ZnTe: A Challenge for Accessing Type II Heterostructures. <i>Chemistry of Materials</i> , 2017, 29, 666-672.	3.2	20
1172	Phase and Morphology-Controlled Synthesis of Zinc Molybdate for Excellent Photocatalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4939-4946.	1.0	13
1173	Decorating fiber nanotip with single perovskite quantum dot and other luminescent nanocrystals synthesized in oil-phase. <i>Nanotechnology</i> , 2017, 28, 46LT02.	1.3	1
1174	Electrical transport through self-assembled colloidal nanomaterials and their perspectives. <i>Europhysics Letters</i> , 2017, 119, 36002.	0.7	5
1175	One-Pot Synthesis of Size-Controllable Core-Shell CdS and Derived CdS@ZnCdS Structures for Photocatalytic Hydrogen Production. <i>Chemistry - A European Journal</i> , 2017, 23, 16653-16659.	1.7	34
1176	Giant PbSe/CdSe/CdSe Quantum Dots: Crystal-Structure-Defined Ultrastable Near-Infrared Photoluminescence from Single Nanocrystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 11081-11088.	6.6	48
1177	Facile synthesis and properties of CdSe quantum dots in a novel two-phase liquid/liquid system. <i>Optical Materials</i> , 2017, 72, 737-742.	1.7	7

#	ARTICLE	IF	CITATIONS
1178	Uncovering active precursors in colloidal quantum dot synthesis. <i>Nature Communications</i> , 2017, 8, 2082.	5.8	26
1179	Highly Luminescent Dual-Color-Emitting Alloyed [Zn _x Cd _{1-x} Se _y S _{1-y}] Quantum Dots: Investigation of Bimodal Growth and Application to Lighting. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28373-28384.	1.5	28
1180	Role of Precursor-Conversion Chemistry in the Crystal-Phase Control of Catalytically Grown Colloidal Semiconductor Quantum Wires. <i>ACS Nano</i> , 2017, 11, 12526-12535.	7.3	14
1181	Guanidine Cellulose for Biocompatible Nanoparticles Phase Transfer. <i>ChemistrySelect</i> , 2017, 2, 10555-10558.	0.7	1
1182	1,2,3-Selenadiazole-driven single family MSNCs of CdSe. <i>New Journal of Chemistry</i> , 2017, 41, 14713-14722.	1.4	11
1183	Colloidal Dual-Diameter and Core-Position-Controlled Core/Shell Cadmium Chalcogenide Nanorods. <i>ACS Nano</i> , 2017, 11, 12461-12472.	7.3	36
1184	Spectrum-Resolved Dual-Color Electrochemiluminescence Immunoassay for Simultaneous Detection of Two Targets with Nanocrystals as Tags. <i>Analytical Chemistry</i> , 2017, 89, 13024-13029.	3.2	84
1185	Ionic liquid-employed synthesis of Bi ₂ E ₃ (E = S, Se, and Te) hierarchitectures: The case of Bi ₂ S ₃ with superior visible-light-driven Cr(VI) photoreduction capacity. <i>Chemical Engineering Journal</i> , 2017, 327, 371-386.	6.6	64
1186	Modeling of the formation kinetics and size distribution evolution of II ^{VI} quantum dots. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 567-576.	1.9	14
1187	Functional Organophosphonate Interfaces for Nanotechnology: A Review. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25643-25655.	4.0	44
1188	Excitonic Circular Dichroism of Chiral Quantum Rods. <i>Journal of the American Chemical Society</i> , 2017, 139, 8734-8739.	6.6	110
1189	Hydrothermal synthesis and ESR analysis of NiO dendrite and tree-like nanostructures. <i>Research on Chemical Intermediates</i> , 2017, 43, 2881-2888.	1.3	2
1190	Synthesis and Optical Properties of Highly Stabilized Peptide-Coated Gold Nanoparticles. <i>Plasmonics</i> , 2017, 12, 1221-1225.	1.8	14
1191	Tetraphenylethylene derivative capped CH ₃ NH ₃ PbBr ₃ nanocrystals: AIE-activated assembly into superstructures. <i>Faraday Discussions</i> , 2017, 196, 91-99.	1.6	8
1192	Sulfur in oleylamine as a powerful and versatile etchant for oxide, sulfide, and metal colloidal nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600543.	0.8	7
1193	Hexagonally Shaped Two-Dimensional Tin(II)sulfide Nanosheets: Growth Model and Controlled Structure Formation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5784-5795.	1.5	11
1194	Energy Transfer Between Single Semiconductor Quantum Dots and Organic Dye Molecules. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1513-1526.	1.4	6
1195	Quantitative Identification of Basic Growth Channels for Formation of Monodisperse Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018, 140, 5474-5484.	6.6	39

#	ARTICLE	IF	CITATIONS
1196	Surface enthalpy driven size focussing trends: Predictive modelling for digestive ripening of spherical particles. <i>Applied Surface Science</i> , 2018, 448, 248-253.	3.1	5
1197	Just Add Ligands: Self-Sustained Size Focusing of Colloidal Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 1391-1398.	3.2	38
1198	Thermal Transformations of Polymeric Metal Chelates and Their Precursors in Nanocomposites Formation. <i>Springer Series in Materials Science</i> , 2018, , 899-1007.	0.4	1
1199	Crystal-Phase Control of Catalytically Grown Colloidal CdTe Quantum Wires: Dual Role of <i>n</i> -Tetradecylphosphonic Acid. <i>Chemistry of Materials</i> , 2018, 30, 1316-1323.	3.2	5
1201	Effect of growth temperature on the structural, optical and luminescence properties of cadmium telluride nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6004-6011.	1.1	5
1202	General Strategy for Rapid Production of Low-Dimensional All-Inorganic CsPbBr ₃ Perovskite Nanocrystals with Controlled Dimensionalities and Sizes. <i>Inorganic Chemistry</i> , 2018, 57, 1598-1603.	1.9	48
1203	Membrane insertion of Hg^{2+} and membrane potential sensing by Hg^{2+} semiconductor voltage nanosensors: Feasibility demonstration. <i>Science Advances</i> , 2018, 4, e1601453.	4.7	33
1204	Breaking the strong 1D growth habit to yield quasi-equiaxed REPO ₄ nanocrystals (RE = Tj, ET, Qq, l, 1, 0.784314, rg, BT, /Over). <i>Chemistry of Materials</i> , 2018, 20, 796-806.	1.3	18
1205	Ultra-low-temperature growth of CdS quantum dots on g-C ₃ N ₄ nanosheets and their photocatalytic performance. <i>Dalton Transactions</i> , 2018, 47, 1417-1421.	1.6	17
1206	Dual-wavebands-resolved electrochemiluminescence multiplexing immunoassay with dichroic mirror assistant photomultiplier-tubes as detectors. <i>Biosensors and Bioelectronics</i> , 2018, 115, 77-82.	5.3	27
1207	Electrochemically active XWO ₄ (X = Co, Cu, Mn, Zn) nanostructure for water splitting applications. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1241-1258.	1.6	43
1208	Use of MPA-capped CdS quantum dots for sensitive detection and quantification of Co ²⁺ ions in aqueous solution. <i>Analytica Chimica Acta</i> , 2018, 1028, 50-58.	2.6	42
1209	Kinetically controlled assembly of cadmium chalcogenide nanorods and nanorod heterostructures. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1296-1305.	3.2	12
1210	Reaction-Driven Nucleation Theory. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9671-9679.	1.5	18
1211	Hybrid graphene/cadmium-free ZnSe/ZnS quantum dots phototransistors for UV detection. <i>Scientific Reports</i> , 2018, 8, 5107.	1.6	21
1212	Synthesis and Optical Properties of Highly Stabilized Peptide-Coated Silver Nanoparticles. <i>Plasmonics</i> , 2018, 13, 1265-1269.	1.8	18
1213	Effect of Magnetized Ethanol on the Shape Evolution of Zinc Oxide from Nanoparticles to Microrods: Experimental and Molecular Dynamic Simulation Study. <i>Advanced Powder Technology</i> , 2018, 29, 349-358.	2.0	9
1214	Preparing of green-emitting CdZnSe ternary nanocrystals with narrow emission spectrum. <i>Superlattices and Microstructures</i> , 2018, 113, 394-400.	1.4	4

#	ARTICLE	IF	CITATIONS
1215	One-pot hydrothermal synthesis of thioglycolic acid-capped CdSe quantum dots-sensitized mesoscopic TiO ₂ photoanodes for sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 176, 418-426.	3.0	16
1216	Synthesis and Optical Properties of Highly Stabilized Peptide- Coated Silver Nanoparticles. , 0, , .		3
1217	A new method to discover the reaction mechanism of perovskite nanocrystals. <i>Dalton Transactions</i> , 2018, 47, 16218-16224.	1.6	28
1218	4. Size and shape-controlled synthesis of Ru nanocrystals. , 2018, , 199-278.		0
1220	Heterojunction Area-Controlled Inorganic Nanocrystal Solar Cells Fabricated Using Supra-Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43768-43773.	4.0	5
1221	Precursor Self-Assembly Identified as a General Pathway for Colloidal Semiconductor Magic-Size Clusters. <i>Advanced Science</i> , 2018, 5, 1800632.	5.6	56
1223	Preparation and characterization of columnar hydrohematite particles from a forced hydrolysis reaction using sodium gluconate. <i>Colloid and Polymer Science</i> , 2018, 296, 1795-1803.	1.0	0
1224	Ion-Mediated Ligand Exchange and Size Focusing of Semiconductor Nanocrystals in Ligand-Saturated Solutions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23623-23630.	1.5	6
1225	Co ²⁺ -Doping of Magic-Sized CdSe Clusters: Structural Insights via Ligand Field Transitions. <i>Nano Letters</i> , 2018, 18, 7350-7357.	4.5	21
1226	Facile Synthesis, Morphology Evolution and Tunable Luminescence of NaGdF ₄ :Yb,Er Nanorods with Various Aspect Ratios. <i>Nano</i> , 2018, 13, 1850093.	0.5	1
1227	Hierarchical Self-Assembly of Conjugated Block Copolymers and Semiconducting Nanorods into One-Dimensional Nanocomposites. <i>Macromolecules</i> , 2018, 51, 8833-8843.	2.2	21
1228	Size and shape-controlled synthesis of Ru nanocrystals. <i>Physical Sciences Reviews</i> , 2018, 3, .	0.8	0
1229	A Layer-by-Layer Growth Strategy for Large-Size InP/ZnSe/ZnS Core-Shell Quantum Dots Enabling High-Efficiency Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2018, 30, 8002-8007.	3.2	159
1230	Protic additives determine the pathway of CdSe nanocrystal growth. <i>Nanoscale</i> , 2018, 10, 18238-18248.	2.8	19
1231	Synthesis without Solvents: The Cluster (Nanoparticle) Beam Route to Catalysts and Sensors. <i>Accounts of Chemical Research</i> , 2018, 51, 2296-2304.	7.6	65
1232	Size-controlled synthesis of hierarchical bismuth selenide nanoflowers and their photocatalytic performance in the presence of H ₂ O ₂ . <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	10
1233	A small heterobifunctional ligand provides stable and water dispersible core-shell CdSe/ZnS quantum dots (QDs). <i>Nanoscale</i> , 2018, 10, 19720-19732.	2.8	9
1234	Synthesis of tailor-made colloidal semiconductor heterostructures. <i>Chemical Communications</i> , 2018, 54, 7109-7122.	2.2	20

#	ARTICLE	IF	CITATIONS
1235	CuInS ₂ /CdS-Heterostructured Nanotetrapods by Seeded Growth and Their Photovoltaic Properties. ACS Applied Nano Materials, 2018, 1, 2449-2454.	2.4	20
1236	Morphology Control of CdSe Nanoparticles via Two-Step Segmented Microreactors. Crystal Growth and Design, 2018, 18, 3953-3958.	1.4	7
1237	Revealing strong polytypism tendency in MgTe from first-principles. Journal of Applied Physics, 2018, 123, 235903.	1.1	3
1238	Individual Pathways in the Formation of Magic-Size Clusters and Conventional Quantum Dots. Journal of Physical Chemistry Letters, 2018, 9, 3660-3666.	2.1	62
1239	Antitumor Effect by Hydroxyapatite Nanospheres: Activation of Mitochondria-Dependent Apoptosis and Negative Regulation of Phosphatidylinositol-3-Kinase/Protein Kinase B Pathway. ACS Nano, 2018, 12, 7838-7854.	7.3	79
1240	Extremely rapid engineering of zinc oxide nanoaggregates with structure-dependent catalytic capability towards removal of ciprofloxacin antibiotic. Inorganic Chemistry Frontiers, 2018, 5, 2432-2444.	3.0	16
1241	Hydrothermal synthesis and luminescent properties of Y ₂ O ₃ :Eu ³⁺ from waste phosphors. Results in Physics, 2018, 10, 675-679.	2.0	10
1242	Facile synthesis and photophysics of graphene quantum dots. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 671-678.	2.0	18
1243	Growth of Ag ₃ Sn and Sn Nanoparticles Based on the Variation of Reaction Conditions. Nano, 2018, 13, 1850081.	0.5	2
1244	Improving the spectral resolution in fluorescence microscopy through shaped-excitation imaging. Methods and Applications in Fluorescence, 2018, 6, 045006.	1.1	1
1245	Ligand-Mediated Photobrightening and Photodarkening of CdSe/ZnS Quantum Dot Ensembles. Journal of Physical Chemistry C, 2018, 122, 15761-15771.	1.5	39
1246	Morphogenesis of anisotropic nanoparticles: self-templating <i>via</i> non-classical, fibrillar Cd ₂ Se intermediates. Chemical Communications, 2018, 54, 7358-7361.	2.2	17
1247	Energetics of Nonradiative Surface Trap States in Nanoparticles Monitored by Time-of-Flight Photoconduction Measurements on Nanoparticle-Polymer Blends. ACS Applied Materials & Interfaces, 2019, 11, 37184-37192.	4.0	4
1248	Efficient White LEDs Using Liquid-state Magic-sized CdSe Quantum Dots. Scientific Reports, 2019, 9, 10061.	1.6	41
1249	Shape-Defined Hollow Structural Co-MOF-74 and Metal Nanoparticles@Co-MOF-74 Composite through a Transformation Strategy for Enhanced Photocatalysis Performance. Small, 2019, 15, e1902287.	5.2	106
1250	Four Types of CdTe Magic-Size Clusters from One Prenucleation Stage Sample at Room Temperature. Journal of Physical Chemistry Letters, 2019, 10, 4345-4353.	2.1	44
1251	Brightness-enhanced, highly stable quantum dot light-emitting devices using butylated hydroxytoluene. Organic Electronics, 2019, 74, 166-171.	1.4	7
1252	Ligand Dependent Growth and Optical Properties of Hybrid Organo-metal Halide Perovskite Magic Sized Clusters. Journal of Physical Chemistry C, 2019, 123, 18746-18752.	1.5	28

#	ARTICLE	IF	CITATIONS
1253	Dimensional characterization of cadmium selenide nanocrystals via indirect Fourier transform evaluation of small-angle X-ray scattering data. <i>Nano Research</i> , 2019, 12, 2849-2857.	5.8	8
1254	CdSe@CdS Dot@Platelet Nanocrystals: Controlled Epitaxy, Monoexponential Decay of Two-Dimensional Exciton, and Nonblinking Photoluminescence of Single Nanocrystal. <i>Journal of the American Chemical Society</i> , 2019, 141, 17617-17628.	6.6	25
1256	Recent Progress on Metal Chalcogenide Semiconductor Tetrapod-Shaped Colloidal Nanocrystals and their Applications in Optoelectronics. <i>Chemistry of Materials</i> , 2019, 31, 9216-9242.	3.2	51
1257	Morphology Control and Optical Properties of CdSe Nanorods by Surface Ligands. <i>Technical Physics Letters</i> , 2019, 45, 814-819.	0.2	1
1258	Enhanced photoconversion performance of NdVO ₄ /Au nanocrystals for photothermal/photoacoustic imaging guided and near infrared light-triggered anticancer phototherapy. <i>Acta Biomaterialia</i> , 2019, 99, 295-306.	4.1	29
1259	A simple and generalized heat-up method for the synthesis of metal sulfide nanocrystals. <i>New Journal of Chemistry</i> , 2019, 43, 16007-16011.	1.4	5
1260	Formation of nanosuspensions in bottom-up approach: theories and optimization. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2019, 27, 451-473.	0.9	51
1261	From Wurtzite Nanoplatelets to Zinc Blende Nanorods: Simultaneous Control of Shape and Phase in Ultrathin ZnS Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3828-3835.	2.1	21
1263	Semiconductor nanocrystal-polymer hybrid nanomaterials and their application in molecular imprinting. <i>Nanoscale</i> , 2019, 11, 12030-12074.	2.8	50
1264	Role of surface trapping state in the charge exchange characteristics of CdSe nanorod. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	0
1265	Ligand-assisted synthesis of monodispersed and small-sized ZnO nanoparticles and their application in electroluminescence device. <i>Materials Research Express</i> , 2019, 6, 085060.	0.8	2
1266	Microwave-assisted synthesis of PbS nanostructures. <i>Heliyon</i> , 2019, 5, e01413.	1.4	44
1268	Co-sensitized TiO ₂ electrodes with different quantum dots for enhanced hydrogen evolution in photoelectrochemical cells. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 475-484.	1.5	4
1269	Nanomaterials for molecular sensing. , 2019, , 413-487.		5
1270	Crystallinity and Size Control of Colloidal Germanium Nanoparticles from Organogermanium Halide Reagents. <i>Inorganic Chemistry</i> , 2019, 58, 4802-4811.	1.9	7
1271	Formation of colloidal alloy semiconductor CdTeSe magic-size clusters at room temperature. <i>Nature Communications</i> , 2019, 10, 1674.	5.8	49
1272	Preparation of anisotropic CdSe-P3HT core-shell nanorods using directly synthesized Br-functionalized CdSe nanorods. <i>Surface and Coatings Technology</i> , 2019, 362, 84-89.	2.2	2
1273	Direct Observation of Vibronic Coupling between Excitonic States of CdSe Nanocrystals and Their Passivating Ligands. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5084-5091.	1.5	20

#	ARTICLE	IF	CITATIONS
1274	CuGaS ₂ –CuInE ₂ (E = S, Se) Colloidal Nanorod Heterostructures. Chemistry of Materials, 2019, 31, 1973-1980.	3.2	13
1275	Interfacial Synthesis of Monodisperse CsPbBr ₃ Nanorods with Tunable Aspect Ratio and Clean Surface for Efficient Light-Emitting Diode Applications. Chemistry of Materials, 2019, 31, 1575-1583.	3.2	78
1276	In-Plane Anisotropic Faceting of Ultralarge and Thin Single-Crystalline Colloidal SnS Nanosheets. Journal of Physical Chemistry Letters, 2019, 10, 993-999.	2.1	20
1277	Inorganic and organic–inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. , 2019, , 47-99.		8
1278	Unique Luminescence of Hexagonal Dominant Colloidal Copper Indium Sulphide Quantum Dots in Dispersed Solutions. Scientific Reports, 2019, 9, 20144.	1.6	6
1279	Inkjet-printed aligned quantum rod enhancement films for their application in liquid crystal displays. Nanoscale, 2019, 11, 20837-20846.	2.8	26
1280	Interfacing the Cell with –Biomimetic Membrane Proteins–. Small, 2019, 15, e1903006.	5.2	7
1281	The effects of different surfactants on the morphologies and electrochemical properties of MoS ₂ /reduce graphene oxide composites. Chemical Physics Letters, 2019, 716, 6-10.	1.2	19
1282	Design strategies for shape-controlled magnetic iron oxide nanoparticles. Advanced Drug Delivery Reviews, 2019, 138, 68-104.	6.6	217
1283	Synthesis of green-to-red-emitting Cu-Ga-S/ZnS core/shell quantum dots for application in white light-emitting diodes. Journal of Luminescence, 2019, 208, 18-23.	1.5	21
1284	Size Control at Maximum Yield and Growth Kinetics of Colloidal II–VI Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 1421-1428.	1.5	9
1285	Ligand Shell Engineering to Achieve Optimal Photoalignment of Semiconductor Quantum Rods for Liquid Crystal Displays. Advanced Functional Materials, 2019, 29, 1805094.	7.8	25
1286	Conical Intersections at the Nanoscale: Molecular Ideas for Materials. Annual Review of Physical Chemistry, 2019, 70, 21-43.	4.8	31
1287	State-of-the-Art and Trends in Synthesis, Properties, and Application of Quantum Dots–Based Nanomaterials. Particle and Particle Systems Characterization, 2019, 36, 1800302.	1.2	27
1288	Isolation of Amine Derivatives of (ZnSe) ₃₄ and (CdTe) ₃₄ . Spectroscopic Comparisons of the (II–VI) ₁₃ and (II–VI) ₃₄ Magic-Size Nanoclusters. Inorganic Chemistry, 2019, 58, 1815-1825.	1.9	28
1289	From the absolute surface energy to the stabilization mechanism of high index polar surface in wurtzite structure: The case of ZnO. Journal of Alloys and Compounds, 2019, 772, 482-488.	2.8	8
1290	A novel strategy for boosting the photoluminescence quantum efficiency of CdSe nanocrystals at room temperature. Chinese Chemical Letters, 2020, 31, 295-298.	4.8	2
1291	Non-classical nucleation pathways revealed by scanning tunneling microscopy of epitaxy of covalent materials. Applied Surface Science, 2020, 500, 143986.	3.1	2

#	ARTICLE	IF	CITATIONS
1292	Controllable synthesis of intercalated \hat{I}^3 -Bi ₂ MoO ₆ /graphene nanosheet composites for high performance NO ₂ gas sensor at room temperature. <i>Carbon</i> , 2020, 157, 22-32.	5.4	41
1293	The size dependent thermal diffusivity of water soluble CdTe quantum dots using dual beam thermal lens spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 116, 113724.	1.3	18
1296	Facile solvothermal synthesis of monoclinic-tetragonal heterostructured BiVO ₄ for photodegradation of rhodamine B. <i>Catalysis Communications</i> , 2020, 136, 105920.	1.6	18
1297	A facile non-injection phosphorus-free synthesis of semiconductor nanoparticles using new selenium precursors. <i>CrystEngComm</i> , 2020, 22, 786-793.	1.3	2
1298	Oriented attachment induces fivefold twins by forming and decomposing high-energy grain boundaries. <i>Science</i> , 2020, 367, 40-45.	6.0	136
1299	The Photoluminescence and Biocompatibility of CuInS ₂ -Based Ternary Quantum Dots and Their Biological Applications. <i>Chemosensors</i> , 2020, 8, 101.	1.8	8
1300	Reactivity of Magic-Size Nanoclusters (CdSe) ₁₃ and (CdTe) ₁₃ with Acids: Rapid, Low-Temperature Formation of Flat Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2020, 32, 8350-8360.	3.2	8
1301	Longitudinal shape evolution of Ag ₂ S nanoparticles from nanospheres, rhombic dodecahedrons, nanorods, to nanocubes. <i>Chemical Communications</i> , 2020, 56, 9655-9658.	2.2	1
1302	Dimensionality-controlled self-assembly of CdSe nanorods into discrete suprastructures within emulsion droplets. <i>New Journal of Chemistry</i> , 2020, 44, 21112-21118.	1.4	1
1303	Heterostructures in Two-Dimensional CdSe Nanoplatelets: Synthesis, Optical Properties, and Applications. <i>Chemistry of Materials</i> , 2020, 32, 9490-9507.	3.2	41
1304	Enabling Narrow Emission Line Widths in Colloidal Nanocrystals through Coalescence Growth. <i>Chemistry of Materials</i> , 2020, 32, 7524-7534.	3.2	9
1305	Hot-Casting Large-Grain Perovskite Film for Efficient Solar Cells: Film Formation and Device Performance. <i>Nano-Micro Letters</i> , 2020, 12, 156.	14.4	47
1306	Causal Inference Machine Learning Leads Original Experimental Discovery in CdSe/CdS Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7232-7238.	2.1	12
1307	Exploiting Functional Impurities for Fast and Efficient Incorporation of Manganese into Quantum Dots. <i>Journal of the American Chemical Society</i> , 2020, 142, 18160-18173.	6.6	10
1308	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
1309	Magic-Sized Stoichiometric \hat{I}^6 VI Nanoclusters. <i>Small</i> , 2021, 17, e2002067.	5.2	30
1310	Microstructure characteristics of non-monodisperse quantum dots: on the potential of transmission electron microscopy combined with X-ray diffraction. <i>CrystEngComm</i> , 2020, 22, 3644-3655.	1.3	6
1311	The synthesis of CdSe quantum dots stabilized by polymers and polyelectrolyte capsules. <i>Surface Innovations</i> , 2020, 8, 38-45.	1.4	5

#	ARTICLE	IF	CITATIONS
1312	Seeded Growth of Nanoscale Semiconductor Tetrapods: Generality and the Role of Cation Exchange. <i>Chemistry of Materials</i> , 2020, 32, 4774-4784.	3.2	18
1313	Kinetically Driven Cadmium Chalcogenide Nanorod Growth Fed by Local Cluster Aggregates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12774-12783.	1.5	6
1314	Why Does Bi ₂ WO ₆ Visible-Light Photocatalyst Always Form as Nanoplatelets?. <i>Inorganic Chemistry</i> , 2020, 59, 9364-9373.	1.9	20
1316	Recent Progress in Hybrid Solar Cells Based on Solution-Processed Organic and Semiconductor Nanocrystal: Perspectives on Device Design. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4285.	1.3	9
1317	Optical and structural characterization of copper sulphide nanoparticles from copper(II) piperidine dithiocarbamate. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	9
1318	Na ₃ (TiOPO ₄) ₂ F microspheres as a long-life anode for Na-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 402, 126118.	6.6	8
1319	Methods for the ICP-OES Analysis of Semiconductor Materials. <i>Chemistry of Materials</i> , 2020, 32, 1760-1768.	3.2	34
1320	Sensitive detection of influenza a virus based on a CdSe/CdS/ZnS quantum dot-linked rapid fluorescent immunochromatographic test. <i>Biosensors and Bioelectronics</i> , 2020, 155, 112090.	5.3	40
1321	Optical, structural and morphological study of CdS nanoparticles: role of sulfur source. <i>Nanomaterials and Energy</i> , 2020, 9, 72-81.	0.1	18
1322	The Future of Colloidal Semiconductor Magic-Size Clusters. <i>ACS Nano</i> , 2020, 14, 1227-1235.	7.3	66
1323	Synthesis of Anisotropic ZnSe Nanorods with Zinc Blende Crystal Structure. <i>Angewandte Chemie</i> , 2020, 132, 5423-5429.	1.6	2
1324	Synthesis of Anisotropic ZnSe Nanorods with Zinc Blende Crystal Structure. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5385-5391.	7.2	12
1325	Hydrothermal synthesis and methylene blue adsorption performance of novel 3D hierarchical Li ₂ Si ₂ O ₅ hydrate particles. <i>Scientific Reports</i> , 2020, 10, 5545.	1.6	6
1326	Elongation of ZnWO ₄ nanocrystals for enhanced photocatalysis and the effects of Ag decoration. <i>Applied Surface Science</i> , 2020, 515, 146011.	3.1	14
1327	Beta-Cyclodextrin-triggered fabrication of broccoli-like ZnO nanoaggregates with enhanced photocatalytic capability. <i>Functional Materials Letters</i> , 2020, 13, 2051004.	0.7	1
1328	Low-dimensional nanomaterials: Syntheses, physicochemical properties, and their role in wastewater treatment. , 2021, , 27-58.		1
1329	Visualizing Ultrafast Electron Transfer Processes in Semiconductorâ€“Metal Hybrid Nanoparticles: Toward Excitonicâ€“Plasmonic Light Harvesting. <i>Nano Letters</i> , 2021, 21, 1461-1468.	4.5	33
1330	Mechanistic studies of CsPbBr ₃ superstructure formation. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14699-14708.	2.7	7

#	ARTICLE	IF	CITATIONS
1331	Tailored growth of high-quality CsPbI ₃ nanobelts. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2358-2365.	1.9	1
1332	Synthesis and Properties of Strongly Quantum-Confined Cesium Lead Halide Perovskite Nanocrystals. <i>Accounts of Chemical Research</i> , 2021, 54, 1399-1408.	7.6	36
1333	Role of Nanostructured Biomaterials in the Treatment and Diagnosis of Biological Disorder. <i>Current Nanomaterials</i> , 2021, 6, 23-30.	0.2	1
1334	Transformations Among Colloidal Semiconductor Magic-Size Clusters. <i>Accounts of Chemical Research</i> , 2021, 54, 776-786.	7.6	35
1335	Colloidal quantum dot lasers. <i>Nature Reviews Materials</i> , 2021, 6, 382-401.	23.3	196
1336	In Situ Patterning Perovskite Quantum Dots by Direct Laser Writing Fabrication. <i>ACS Photonics</i> , 2021, 8, 765-770.	3.2	58
1337	Reversible Transformation between CsPbBr ₃ Perovskite Nanowires and Nanorods with Polarized Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2021, 31, 2011251.	7.8	29
1338	Low-Temperature Synthesis of Titanium Oxynitride Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 847.	1.9	4
1339	Indium phosphide magic-sized clusters: chemistry and applications. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	19
1340	Comparative study on the effect of precursors on the morphology and electronic properties of CdS nanoparticles. <i>Turkish Journal of Chemistry</i> , 2021, 45, 400-409.	0.5	1
1341	Facet Engineering of Bismuth Molybdate via Confined Growth in a Nanoscale Template toward Water Remediation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18713-18723.	4.0	16
1342	Effects of Palladium Chloride Concentration on the Nanoscale Surface Morphology of Electroless Deposited Palladium Thin Film. <i>Journal of the Electrochemical Society</i> , 2021, 168, 056522.	1.3	2
1343	Tunable Pore Size from Sub-Nanometer to a Few Nanometers in Large-Area Graphene Nanoporous Atomically Thin Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29926-29935.	4.0	23
1344	Introducing B-Site Cations by Ion Exchange and Shape Anisotropy in CsPbBr ₃ Perovskite Nanostructures. <i>Nano Letters</i> , 2021, 21, 5277-5284.	4.5	23
1346	CdSe/Ag Hybrid Aerogels: Integration of Plasmonic and Excitonic Properties of Metal-Semiconductor Nanostructures via Sol-Gel Assembly. <i>Advanced Photonics Research</i> , 2021, 2, 2100084.	1.7	3
1347	Resonance Raman Vibrational Mode Enhancement of Adsorbed Benzenethiols on CdSe Is Predominantly Franck-Condon in Nature and Governed by Symmetry. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7935-7941.	2.1	1
1348	Shape Evolution and Control of Wurtzite CdSe Nanocrystals through a Facile One-Pot Strategy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18905-18915.	1.5	4
1349	Phase-Transfer Exchange Lead Chalcogenide Colloidal Quantum Dots: Ink Preparation, Film Assembly, and Solar Cell Construction. <i>Small</i> , 2022, 18, e2102340.	5.2	15

#	ARTICLE	IF	CITATIONS
1350	Nanomaterials: Applications in Electronics. International Journal of Advanced Engineering and Nano Technology, 2021, 4, 7-19.	0.4	2
1351	DFT study for the absorption spectra evolution of CdS magic-size clusters. Chemical Physics Letters, 2021, 779, 138870.	1.2	6
1352	CsPbBr ₃ Nanoplatelets: Synthesis and Understanding of Ultraviolet Light-Induced Structural Phase Change and Luminescence Degradation. ECS Journal of Solid State Science and Technology, 2021, 10, 096002.	0.9	10
1353	Structural, optical characterization of the synthesized Fe doped CdO Nano particles, its application as a promising photocatalyst for degradation of the hazardous Methyl violet dye. Optik, 2021, 246, 167795.	1.4	25
1354	Magic-sized CdSe nanoclusters: a review on synthesis, properties and white light potential. Materials Advances, 2021, 2, 1204-1228.	2.6	32
1355	Nanostructured Chalcogenides. , 2017, , 105-157.		4
1356	Reduction of Metal Ions in Polymer Matrices as a Condensation Method of Nanocomposite Synthesis. , 2014, , 13-89.		8
1357	Probing intermediates of the induction period prior to nucleation and growth of semiconductor quantum dots. Nature Communications, 2017, 8, 15467.	5.8	87
1358	An <i>in situ</i> and real time study of the formation of CdSe NCs. Nanoscale, 2020, 12, 22928-22934.	2.8	11
1359	Mechanochemical Synthesis and Characterization of II-VI Nanocrystals: Challenge for Cytotoxicity Issues. Acta Physica Polonica A, 2012, 122, 224-229.	0.2	4
1360	Synthesis and study of anhydrous lanthanide orthophosphate (Ln = La, Pr, Nd, Sm) nanowhiskers. Nanosystems: Physics, Chemistry, Mathematics, 2016, , 451-458.	0.2	4
1361	Laser-induced fluorescence measurements on CdSe quantum dots. Processing and Application of Ceramics, 2010, 4, 33-38.	0.4	14
1362	Effect of Gamma Radiation on Structural, Optical and Electrical Properties of nanostructured CdHgTe Thin Films. Nanoscale Reports, 2018, 1, 26-31.	0.5	3
1363	OPTICAL PROPERTIES OF COLLOIDAL CdSe TETRAPOD NANOCRYSTALS. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2010, 29, 167-171.	0.2	2
1364	Nanocrystals and Their Biomedical Applications. Bulletin of the Korean Chemical Society, 2006, 27, 961-971.	1.0	19
1365	Spin-Coating Electrostatic Self-Assembly: Fabrication Method for CdSe Nanoparticle Monolayer. Bulletin of the Korean Chemical Society, 2006, 27, 1119-1120.	1.0	4
1366	Products and Applications of Biopolymers. , 2012, , .		9
1367	Optimal Length of Hybrid Metal-Semiconductor Nanorods for Photocatalytic Hydrogen Generation. ACS Catalysis, 2021, 11, 13303-13311.	5.5	14

#	ARTICLE	IF	CITATIONS
1368	Architecture of Nanocrystal Building Blocks. <i>Nanostructure Science and Technology</i> , 2004, , 53-87.	0.1	1
1371	Controlled Synthesis of CdSe Quantum Dot by Non-coordinating Solvent Approach in a Micro-flow-reactor. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2011, 26, 829-835.	0.6	1
1372	Application of electron crystallography to structure characterization of ZnS nanocrystals. <i>Journal of Analytical Science and Technology</i> , 2011, 2, 91-96.	1.0	0
1373	Single Gold Nanoparticle Growth Monitored in situ. <i>Springer Theses</i> , 2012, , 71-80.	0.0	0
1377	Two-photon-activated light energy conversion in quantum dotâ€“purple membrane hybrid material. , 2019, , .		0
1378	Resonance energy transfer from quantum dots to bacteriorhodopsin affects the saturation of two-photon absorption under a pulsed femtosecond excitation. , 2019, , .		0
1380	Bottom-up synthesis of nanosized objects. , 2022, , 85-123.		1
1381	Low-temperature synthesis of tetrapod CdSe/CdS quantum dots through a microfluidic reactor. <i>Nanoscale</i> , 2021, 13, 19474-19483.	2.8	5
1382	Plasmon Enhanced Hybrid Photovoltaics. <i>Engineering Materials</i> , 2020, , 3-66.	0.3	0
1383	Investigation on the substituent effects of homodinuclear cobalt(II) complexes of tetraiminediphenol macrocycle on the synthesis of pure Co ₃ O ₄ nanoparticles. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	7
1385	Copper Nanocrystals. , 2008, , 143-148.		0
1386	Absorption Features of CdTe Nanoclusters: Aspect Ratio Dependency of the Singlet/Doublet from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25660-25669.	1.5	3
1387	An Organic/Inorganic Nanomaterial and Nanocrystal Quantum Dots-Based Multi-Level Resistive Memory Device. <i>Nanomaterials</i> , 2021, 11, 3004.	1.9	3
1388	The Synthesis of Core/Shell Quantum Dots. <i>RSC Nanoscience and Nanotechnology</i> , 2014, , 113-165.	0.2	0
1389	Understanding the Shell Passivation in Ln ³⁺ -Doped Luminescent Nanocrystals. <i>Small Structures</i> , 2022, 3, .	6.9	10
1390	Surface-Encapsulated Bismuth Molybdate-Layered Silicate Hybrids as Sorbents for Photocatalytic Filtration Membranes. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	4.0	5
1391	Integration of Highly Luminescent Lead Halide Perovskite Nanocrystals on Transparent Lead Halide Nanowire Waveguides through Morphological Transformation and Spontaneous Growth in Water. <i>Small</i> , 2022, 18, e2105009.	5.2	11
1392	Chirality Inversion in Self-Assembled Nanocomposites Directed by Curvature-Mediated Interactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202117406.	7.2	18

#	ARTICLE	IF	CITATIONS
1393	Chirality Inversion in Self-Assembled Nanocomposites Directed by Curvature-Mediated Interactions. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
1394	Material properties and potential applications of CdSe semiconductor nanocrystals. , 2022, , 105-153.		4
1395	Light-Emitting Diodes Based on Two-Dimensional Nanoplatelets. <i>Energy Material Advances</i> , 2022, 2022, .	4.7	26
1396	A Two-Pathway Model for the Evolution of Colloidal Compound Semiconductor Quantum Dots and Magic-Size Clusters. <i>Advanced Materials</i> , 2022, 34, e2107940.	11.1	24
1397	Dithiocarbamate complexes containing the pyrrole moiety for synthesis of sulfides. , 2022, , 107-121.		1
1398	Self-Assembly of Hausmannite Mn_3O_4 Triangular Structures on Cocoin Protein Scaffolds for High Energy Density Symmetric Supercapacitor Application. <i>Langmuir</i> , 2022, 38, 2928-2941.	1.6	12
1399	General Bottom-Up Colloidal Synthesis of Nano-Monolayer Transition-Metal Dichalcogenides with High 1T-Phase Purity. <i>Journal of the American Chemical Society</i> , 2022, 144, 4863-4873.	6.6	58
1400	Photoluminescent, ice-cream cone-like $Cu-In-(Zn)S/ZnS$ nanoheterostructures. <i>Scientific Reports</i> , 2022, 12, 5787.	1.6	3
1401	Synthesis of high-performance single-crystal $LiNi_0.8Co_0.1Mn_0.1O_2$ cathode materials by controlling solution super-saturation. <i>Journal of Power Sources</i> , 2022, 532, 231037.	4.0	19
1402	Ultrathin bismuth oxychloride nanosheet for enhanced potassium storage. <i>Materials Letters</i> , 2022, 318, 132226.	1.3	0
1403	One-Step Synthesis and Electrical Conductivity of CdSe-Based Nanocomposites. <i>Inorganic Materials</i> , 2021, 57, 1221-1233.	0.2	0
1404	Solution-Processed Red, Green, and Blue Quantum Rod Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18723-18735.	4.0	7
1406	Reaction intermediates in the synthesis of colloidal nanocrystals. , 2022, 1, 344-351.		13
1407	Size matters: Steric hindrance of precursor molecules controlling the evolution of CdSe magic-size clusters and quantum dots. <i>Nano Research</i> , 2022, 15, 8564-8572.	5.8	2
1409	Room-temperature Formation of Alloy $Zn_xCd_{13-x}Se_{13}$ Magic-size Clusters via Cation Exchange in Diamine Solution. <i>Nanoscale</i> , 0, , .	2.8	1
1410	A Real-Time In Situ Demonstration of Direct and Indirect Transformation Pathways in CdTe Magic-Size Clusters at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
1411	A Real-Time In Situ Demonstration of Direct and Indirect Transformation Pathways in CdTe Magic-Size Clusters at Room Temperature. <i>Angewandte Chemie</i> , 0, , .	1.6	1
1412	Manipulating Reaction Intermediates to Aqueous-Phase ZnSe Magic-Size Clusters and Quantum Dots at Room Temperature. <i>Angewandte Chemie</i> , 0, , .	1.6	1

#	ARTICLE	IF	CITATIONS
1413	Manipulating Reaction Intermediates to Aqueous-Phase ZnSe Magic-Size Clusters and Quantum Dots at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	5
1414	Large-scale Heterogeneous Synthesis of Monodisperse High Performance Colloidal CsPbBr ₃ Nanocrystals. <i>Fundamental Research</i> , 2022, , .	1.6	0
1415	Chiral superstructures of inorganic nanorods by macroscopic mechanical grinding. <i>Nature Communications</i> , 2022, 13, .	5.8	10
1416	Colloidal Semiconductor Nanocrystals. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022, , 5-13.	0.2	0
1417	Multiscale Isomerization of Magic-Sized Inorganic Clusters Chemically Driven by Atomic-Bond Exchanges. <i>Chemistry of Materials</i> , 2022, 34, 9527-9535.	3.2	6
1418	Ag ₂ WO ₄ as a multifunctional material: Fundamentals and progress of an extraordinarily versatile semiconductor. <i>Journal of Materials Research and Technology</i> , 2022, 21, 4023-4051.	2.6	11
1419	Electrophoretic displays for IR emissivity modulation and temperature control. <i>Journal of Materials Chemistry C</i> , 2022, 11, 141-150.	2.7	1
1420	Mapping the reaction zones for CdTe magic-sized clusters and their emission properties. <i>Nanoscale</i> , 2022, 15, 114-121.	2.8	4
1421	Size-Dependent Photobleaching Mechanism and Kinetics Induced by Nanosecond Laser Pulses in Colloidal Semiconductor Quantum Dots. <i>Langmuir</i> , 2022, 38, 15088-15105.	1.6	0
1422	Thin Film Solution Processable Perovskite Solar Cell. , 0, , .		1
1423	A reactivity-controlled epitaxial growth strategy for synthesizing large nanocrystals. , 2023, 2, 296-304.		6
1424	Gas phase fabrication of morphology-controlled ITO nanoparticles and their assembled conductive films. <i>Nanoscale</i> , 0, , .	2.8	2
1425	Nucleation control of quantum dot synthesis in a microfluidic continuous flow reactor. <i>Frontiers in Nanotechnology</i> , 0, 4, .	2.4	1
1426	Branching phenomena in nanostructure synthesis illuminated by the study of Ni-based nanocomposites. <i>Chemical Science</i> , 2023, 14, 1205-1217.	3.7	1
1427	Synthesis and application of CdSe functional material. , 2023, , 393-423.		0
1428	Electronic Structure and Excited State Dynamics of Cadmium Chalcogenide Nanorods. <i>Chemical Reviews</i> , 2023, 123, 3852-3903.	23.0	2
1429	High Color-Purity and Efficient Pure-Blue Perovskite Light-Emitting Diodes Based on Strongly Confined Monodispersed Quantum Dots. <i>Nano Letters</i> , 2023, 23, 2405-2411.	4.5	12
1430	Direct and Indirect Pathways of CdTeSe Magic-Size Cluster Isomerization Induced by Surface Ligands at Room Temperature. <i>ACS Central Science</i> , 2023, 9, 519-530.	5.3	11

#	ARTICLE	IF	CITATIONS
1431	Reversible Facet Reconstruction of CdSe/CdS Core/Shell Nanocrystals by Facet-Ligand Pairing. Journal of the American Chemical Society, 2023, 145, 6798-6810.	6.6	7
1432	High-performance two-photon absorption optical limiter and stabilizer based on phase-pure thick-shell CdSe/CdS core/shell quantum dots. Laser Physics Letters, 2023, 20, 055401.	0.6	1
1433	Colloidal Nanoparticles of II-VI Semiconductor Compounds and Their Participation in Photosensitization of Metal Oxides. , 2023, , 157-179.		0
1438	Synthesis and Characterization of Nanoparticles for Photovoltaics. , 2023, , 1-23.		0
1442	Nanoclusters as Synthons for Unit-Cell-Size Comparable One-Dimensional Nanostructures. Chemical Research in Chinese Universities, 2023, 39, 568-579.	1.3	1
1456	Challenges and opportunities of chalcogenides and their nanocomposites. , 2024, , 221-260.		0