List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6619566/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Influence of particle architecture on the photoluminescence properties of silica-coated CdSe core/shell quantum dots. Analytical and Bioanalytical Chemistry, 2022, 414, 4427-4439.	3.7	6
2	Self-Supported Three-Dimensional Quantum Dot Aerogels as a Promising Photocatalyst for CO <sub>2</sub> Reduction. Chemistry of Materials, 2022, 34, 2687-2695.	6.7	12
3	Selectively Tunable Luminescence of Perovskite Nanocrystals Embedded in Polymer Matrix Allows Direct Laser Patterning. Advanced Optical Materials, 2022, 10, .	7.3	4
4	Color Enrichment Solids of Spectrally Pure Colloidal Quantum Wells for Wide Color Span in Displays. Advanced Optical Materials, 2022, 10, .	7.3	1
5	Mechanosynthesis of polymer-stabilized lead bromide perovskites: insight into the formation and phase conversion of nanoparticles. Nano Research, 2021, 14, 1078-1086.	10.4	8
6	Silanized Luminescent Quantum Dots for the Simultaneous Multicolor Lateral Flow Immunoassay of Two Mycotoxins. ACS Applied Materials & Interfaces, 2020, 12, 24575-24584.	8.0	62
7	Boosting Photocatalytic CO <sub>2</sub> Reduction on CsPbBr <sub>3</sub> Perovskite Nanocrystals by Immobilizing Metal Complexes. Chemistry of Materials, 2020, 32, 1517-1525.	6.7	197
8	Highly Luminescent and Water-Resistant CsPbBr <sub>3</sub> –CsPb <sub>2</sub> Br <sub>5</sub> Perovskite Nanocrystals Coordinated with Partially Hydrolyzed Poly(methyl methacrylate) and Polyethylenimine. ACS Nano, 2019, 13, 10386-10396.	14.6	110
9	Insights into different photoluminescence mechanisms of binary and ternary aqueous nanocrystals from the temperature dependence: A case study of CdSe and Ag-In-S. Journal of Luminescence, 2019, 215, 116630.	3.1	17
10	Mercury-indium-sulfide nanocrystals: A new member of the family of ternary in based chalcogenides. Journal of Chemical Physics, 2019, 151, 144701.	3.0	15
11	Robust Polymer Matrix Based on Isobutylene (Co)polymers for Efficient Encapsulation of Colloidal Semiconductor Nanocrystals. ACS Applied Nano Materials, 2019, 2, 956-963.	5.0	17
12	Quantum Dots and Quantum Rods. Nanoscience and Technology, 2019, , 29-51.	1.5	5
13	Influence of the average molar mass of poly(N-vinylpyrrolidone) on the dimensions and conductivity of silver nanowires. Physical Chemistry Chemical Physics, 2019, 21, 9036-9043.	2.8	13
14	Temperatureâ€Dependent Photoluminescence of Silverâ€Indiumâ€Sulfide Nanocrystals in Aqueous Colloidal Solutions. ChemPhysChem, 2019, 20, 1640-1648.	2.1	17
15	Photoluminescence properties of self-assembled chitosan-based composites containing semiconductor nanocrystals. Physical Chemistry Chemical Physics, 2019, 21, 4831-4838.	2.8	5
16	Inherently Broadband Photoluminescence in Ag–In–S/ZnS Quantum Dots Observed in Ensemble and Single-Particle Studies. Journal of Physical Chemistry C, 2019, 123, 2632-2641.	3.1	53
17	Highly emitting perovskite quantum dots are finally available in water. MRS Communications, 2019, 9, 1-2.	1.8	18
18	Origin of the Broadband Photoluminescence of Pristine and Cu <sup>+</sup> /Ag <sup>+</sup> -Doped Ultrasmall CdS and CdSe/CdS Quantum Dots. Journal of Physical Chemistry C, 2018, 122, 10267-10277.	3.1	37

#	Article	IF	CITATIONS
19	Brightly Luminescent Cu-Zn-In-S/ZnS Core/Shell Quantum Dots in Salt Matrices. Zeitschrift Fur Physikalische Chemie, 2018, 233, 23-40.	2.8	8
20	Luminescence and photoelectrochemical properties of size-selected aqueous copper-doped Ag–In–S quantum dots. RSC Advances, 2018, 8, 7550-7557.	3.6	51
21	Aqueous-Based Cadmium Telluride Quantum Dot/Polyurethane/Polyhedral Oligomeric Silsesquioxane Composites for Color Enhancement in Display Backlights. Journal of Physical Chemistry C, 2018, 122, 13391-13398.	3.1	12
22	Incorporation of CdTe Nanocrystals into Metal Oxide Matrices Towards Inorganic Nanocomposite Materials. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1335-1352.	2.8	3
23	Congratulations to Alexander Eychmüller. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1263-1266.	2.8	0
24	Raman characterization of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals: phonon confinement effect and formation of Cu <sub>x</sub> S phases. RSC Advances, 2018, 8, 30736-30746.	3.6	37
25	"Green―Aqueous Synthesis and Advanced Spectral Characterization of Size-Selected Cu2ZnSnS4 Nanocrystal Inks. Scientific Reports, 2018, 8, 13677.	3.3	39
26	Solar light harvesting with multinary metal chalcogenide nanocrystals. Chemical Society Reviews, 2018, 47, 5354-5422.	38.1	177
27	All-Inorganic and Hybrid Capping of Nanocrystals as Key to Their Application-Relevant Processing. MRS Advances, 2018, 3, 2923-2930.	0.9	3
28	Emerging Hierarchical Aerogels: Selfâ€Assembly of Metal and Semiconductor Nanocrystals. Advanced Materials, 2018, 30, e1707518.	21.0	104
29	Moderne Anorganische Aerogele. Angewandte Chemie, 2017, 129, 13380-13403.	2.0	11
30	Modern Inorganic Aerogels. Angewandte Chemie - International Edition, 2017, 56, 13200-13221.	13.8	303
31	Quenching of quantum dots luminescence under light irradiation and its influence on the biological application. Journal of Physics: Conference Series, 2017, 784, 012014.	0.4	8
32	Immobilization of pH-sensitive CdTe Quantum Dots in a Poly(acrylate) Hydrogel for Microfluidic Applications. Nanoscale Research Letters, 2017, 12, 314.	5.7	16
33	Sodium Chloride Protected CdHgTe Quantum Dot Based Solid-State Near-Infrared Luminophore for Light-Emitting Devices and Luminescence Thermometry. ACS Photonics, 2017, 4, 1459-1465.	6.6	21
34	A Fine Size Selection of Brightly Luminescent Water-Soluble Ag–In–S and Ag–In–S/ZnS Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 9032-9042.	3.1	131
35	Hybrid N-Butylamine-Based Ligands for Switching the Colloidal Solubility and Regimentation of Inorganic-Capped Nanocrystals. ACS Nano, 2017, 11, 1559-1571.	14.6	49
36	Simulation study of environmentally friendly quantum-dot-based photovoltaic windows. Journal of Materials Chemistry C, 2017, 5, 11790-11797.	5.5	8

#	Article	IF	CITATIONS
37	Transfer of Inorganic-Capped Nanocrystals into Aqueous Media. Journal of Physical Chemistry Letters, 2017, 8, 5573-5578.	4.6	17
38	Tri(pyrazolyl)phosphane als Vorstufen für die Synthese von stark emittierenden InP/ZnSâ€Quantenpunkten. Angewandte Chemie, 2017, 129, 14932-14937.	2.0	2
39	Versatile Tri(pyrazolyl)phosphanes as Phosphorus Precursors for the Synthesis of Highly Emitting InP/ZnS Quantum Dots. Angewandte Chemie - International Edition, 2017, 56, 14737-14742.	13.8	24
40	Electrochemical Tuning of Localized Surface Plasmon Resonance in Copper Chalcogenide Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 18244-18253.	3.1	41
41	Precise Engineering of Nanocrystal Shells via Colloidal Atomic Layer Deposition. Chemistry of Materials, 2017, 29, 8111-8118.	6.7	21
42	Quantumâ€Ðotâ€inâ€Polymer Composites via Advanced Surface Engineering. Small Methods, 2017, 1, 1700189.	8.6	29
43	Photoelectrochemical Properties of Nanoheterostructures Based on Titanium Dioxide and Ag-In-S Quantum Dots Produced by Size-Selective Precipitation. Theoretical and Experimental Chemistry, 2017, 53, 251-258.	0.8	1
44	Tetrazole-Stabilized Gold Nanoparticles for Catalytic Applications. Zeitschrift Fur Physikalische Chemie, 2017, 231, 51-62.	2.8	11
45	Structural Analysis and Electrochemical Properties of Bimetallic Palladium–Platinum Aerogels Prepared by a Two tep Gelation Process. ChemCatChem, 2017, 9, 798-808.	3.7	20
46	QUANTUM DOTS IN ROBUST MATRICES: STATE OF THE ART. , 2017, , 251-256.		0
47	Enhancing FÃ $\P$ rster nonradiative energy transfer via plasmon interaction. , 2016, , .		1
48	3D Assembly of Allâ€Inorganic Colloidal Nanocrystals into Gels and Aerogels. Angewandte Chemie - International Edition, 2016, 55, 6334-6338.	13.8	75
49	Chloride and Indiumâ€Chlorideâ€Complex Inorganic Ligands for Efficient Stabilization of Nanocrystals in Solution and Doping of Nanocrystal Solids. Advanced Functional Materials, 2016, 26, 2163-2175.	14.9	43
50	Probing Absolute Electronic Energy Levels in Hgâ€Đoped CdTe Semiconductor Nanocrystals by Electrochemistry and Density Functional Theory. ChemPhysChem, 2016, 17, 244-252.	2.1	7
51	Homogeneity and elemental distribution in self-assembled bimetallic Pd–Pt aerogels prepared by a spontaneous one-step gelation process. Physical Chemistry Chemical Physics, 2016, 18, 20640-20650.	2.8	22
52	3Dâ€Anordnung anorganischer kolloidaler Nanokristalle zu Gelen und Aerogelen. Angewandte Chemie, 2016, 128, 6442-6446.	2.0	9
53	Frontispiece: Alloying Behavior of Self-Assembled Noble Metal Nanoparticles. Chemistry - A European Journal, 2016, 22, .	3.3	1
54	Colloidal Nanocrystals Embedded in Macrocrystals: Methods and Applications. Journal of Physical Chemistry Letters, 2016, 7, 4117-4123.	4.6	28

#	Article	IF	CITATIONS
55	Cold Flow as Versatile Approach for Stable and Highly Luminescent Quantum Dot–Salt Composites. ACS Applied Materials & Interfaces, 2016, 8, 21570-21575.	8.0	28
56	Simultane Bestimmung spektraler Eigenschaften und Größen von multiplen Partikeln in Lösung mit Subnanometerâ€AuflĶsung. Angewandte Chemie, 2016, 128, 11944-11949.	2.0	2
57	5â€(2â€Mercaptoethyl)â€1 <i>H</i> â€ŧetrazole: Facile Synthesis and Application for the Preparation of Water Soluble Nanocrystals and Their Gels. Chemistry - A European Journal, 2016, 22, 14746-14752.	3.3	8
58	Solid-State Anion Exchange Reactions for Color Tuning of CsPbX <sub>3</sub> Perovskite Nanocrystals. Chemistry of Materials, 2016, 28, 9033-9040.	6.7	182
59	Alloying Behavior of Selfâ€Assembled Noble Metal Nanoparticles. Chemistry - A European Journal, 2016, 22, 13446-13450.	3.3	25
60	Simultaneous Identification of Spectral Properties and Sizes of Multiple Particles in Solution with Subnanometer Resolution. Angewandte Chemie - International Edition, 2016, 55, 11770-11774.	13.8	46
61	Methods to Characterize the Oligonucleotide Functionalization of Quantum Dots. Small, 2016, 12, 4763-4771.	10.0	10
62	pH and concentration dependence of the optical properties of thiol-capped CdTe nanocrystals in water and D <sub>2</sub> 0. Physical Chemistry Chemical Physics, 2016, 18, 19083-19092.	2.8	25
63	Multiexciton generation assisted highly photosensitive CdHgTe nanocrystal skins. Nano Energy, 2016, 26, 324-331.	16.0	5
64	Cyclic voltammetry as a sensitive method for in situ probing of chemical transformations in quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 10355-10361.	2.8	5
65	Chiroptical activity in colloidal quantum dots coated with achiral ligands. Optics Express, 2016, 24, A65.	3.4	6
66	Excitonic improvement of colloidal nanocrystals in salt powder matrix for quality lighting and color enrichment. Optics Express, 2016, 24, A74.	3.4	8
67	Flexible and fragmentable tandem photosensitive nanocrystal skins. Nanoscale, 2016, 8, 4495-4503.	5.6	5
68	Chiral Ag nanostructure arrays as optical antennas. , 2015, , .		1
69	Tetrazoles: Unique Capping Ligands and Precursors for Nanostructured Materials. Small, 2015, 11, 5728-5739.	10.0	31
70	Semiconductor Nanocrystals: Liquid–Liquid Diffusionâ€Assisted Crystallization: A Fast and Versatile Approach Toward High Quality Mixed Quantum Dotâ€Salt Crystals (Adv. Funct. Mater. 18/2015). Advanced Functional Materials, 2015, 25, 2783-2783.	14.9	1
71	Stable Dispersion of Iodide-Capped PbSe Quantum Dots for High-Performance Low-Temperature Processed Electronics and Optoelectronics. Chemistry of Materials, 2015, 27, 4328-4337.	6.7	56
72	QD-Salt Mixed Crystals: the Influence of Salt-Type, Free-Stabilizer, and pH. Zeitschrift Fur Physikalische Chemie, 2015, 229, 109-118.	2.8	9

#	Article	IF	CITATIONS
73	Exciton transfer and polarized emission in colloidal quantum dot - anthracene crystals. , 2015, , .		0
74	A spray-coating process for highly conductive silver nanowire networks as the transparent top-electrode for small molecule organic photovoltaics. Nanoscale, 2015, 7, 2777-2783.	5.6	62
75	Noble Metal Aerogels—Synthesis, Characterization, and Application as Electrocatalysts. Accounts of Chemical Research, 2015, 48, 154-162.	15.6	313
76	Stable and efficient colour enrichment powders of nonpolar nanocrystals in LiCl. Nanoscale, 2015, 7, 17611-17616.	5.6	17
77	3D assembly of silica encapsulated semiconductor nanocrystals. Nanoscale, 2015, 7, 12713-12721.	5.6	12
78	Macrocrystals of Colloidal Quantum Dots in Anthracene: Exciton Transfer and Polarized Emission. Journal of Physical Chemistry Letters, 2015, 6, 1767-1772.	4.6	17
79	Liquid–Liquid Diffusionâ€Assisted Crystallization: A Fast and Versatile Approach Toward High Quality Mixed Quantum Dotâ€Salt Crystals. Advanced Functional Materials, 2015, 25, 2638-2645.	14.9	52
80	Humidity assisted annealing technique for transparent conductive silver nanowire networks. RSC Advances, 2015, 5, 19659-19665.	3.6	32
81	Implementation of High-Quality Warm-White Light-Emitting Diodes by a Model-Experimental Feedback Approach Using Quantum Dot–Salt Mixed Crystals. ACS Applied Materials & Interfaces, 2015, 7, 23364-23371.	8.0	48
82	Absolute photoluminescence quantum yields of IR26 and IR-emissive Cd <sub>1Ⱂx</sub> Hg <sub>x</sub> Te and PbS quantum dots – method- and material-inherent challenges. Nanoscale, 2015, 7, 133-143.	5.6	74
83	Sweet plasmonics: Sucrose macrocrystals of metal nanoparticles. Nano Research, 2015, 8, 860-869.	10.4	15
84	Hyperbolic metamaterials based on quantum-dot plasmon-resonator nanocomposites. Optics Express, 2014, 22, 18290.	3.4	17
85	ITOâ€Free, Smallâ€Molecule Organic Solar Cells on Sprayâ€Coated Copperâ€Nanowireâ€Based Transparent Electrodes. Advanced Energy Materials, 2014, 4, 1300737.	19.5	110
86	Multimetallic Aerogels by Template-Free Self-Assembly of Au, Ag, Pt, and Pd Nanoparticles. Chemistry of Materials, 2014, 26, 1074-1083.	6.7	148
87	A Versatile Approach for a Variety of Amphiphilic Nanoparticles: Semiconductor – Plasmonic – Magnetic. Zeitschrift Fur Physikalische Chemie, 2014, 228, 171-181.	2.8	1
88	Influence of the stabilizing ligand on the quality, signal-relevant optical properties, and stability of near-infrared emitting Cd1â^xHgxTe nanocrystals. Journal of Materials Chemistry C, 2014, 2, 5011-5018.	5.5	16
89	Highly conductive silver nanowire networks by organic matrix assisted low-temperature fusing. Organic Electronics, 2014, 15, 3818-3824.	2.6	19
90	Experimental and Theoretical Investigation of the Distance Dependence of Localized Surface Plasmon Coupled FA¶rster Resonance Energy Transfer. ACS Nano, 2014, 8, 1273-1283.	14.6	130

#	Article	IF	CITATIONS
91	Europium fluoride based luminescent materials: From hydrogels to porous cryogels, and crystalline NaEuF4 and EuF3 micro/nanostructures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 179, 48-51.	3.5	8
92	Photoluminescence Quantum Yield and Matrix-Induced Luminescence Enhancement of Colloidal Quantum Dots Embedded in Ionic Crystals. Chemistry of Materials, 2014, 26, 3231-3237.	6.7	67
93	A novel concept to generate single photons: incoherent conversion from the visible into the infrared spectrum. Proceedings of SPIE, 2013, , .	0.8	0
94	Automated setup for spray assisted layer-by-layer deposition. Review of Scientific Instruments, 2013, 84, 074101.	1.3	6
95	Bimetallic Aerogels: Highâ€Performance Electrocatalysts for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2013, 52, 9849-9852.	13.8	246
96	Mixed Aerogels from Au and CdTe Nanoparticles. Advanced Functional Materials, 2013, 23, 1903-1911.	14.9	60
97	Resonance energy transfer in self-organized organic/inorganic dendrite structures. Nanoscale, 2013, 5, 9317.	5.6	12
98	Colloidal semiconductor nanocrystals: the aqueous approach. Chemical Society Reviews, 2013, 42, 2905-2929.	38.1	247
99	Enzymeâ€Encapsulating Quantum Dot Hydrogels and Xerogels as Biosensors: Multifunctional Platforms for Both Biocatalysis and Fluorescent Probing. Angewandte Chemie - International Edition, 2013, 52, 976-979.	13.8	103
100	Experimental and theoretical investigations of the ligand structure of water-soluble CdTe nanocrystals. Dalton Transactions, 2013, 42, 12733.	3.3	29
101	Large Enhancement of Nonlinear Optical Response in a Hybrid Nanobiomaterial Consisting of Bacteriorhodopsin and Cadmium Telluride Quantum Dots. ACS Nano, 2013, 7, 2154-2160.	14.6	28
102	Effect of Electrochemical Charge Injection on the Photoluminescence Properties of CdSe Quantum Dot Monolayers Anchored to Oxide Substrates. Zeitschrift Fur Physikalische Chemie, 2013, , 130311033635007.	2.8	0
103	Bio-nanohybrids of quantum dots and photoproteins facilitating strong nonradiative energy transfer. Nanoscale, 2013, 5, 7034.	5.6	8
104	Enzyme-Encapsulated Quantum Dot Hydrogels in the Development of Biosensors: A Multifunctional Platform for Both Bio-Catalysis and Fluorescent Probing. ECS Transactions, 2013, 50, 255-258.	0.5	3
105	Metal Nanoparticle Aerogels and Their Applications. ECS Transactions, 2013, 45, 149-154.	0.5	6
106	NANOCRYSTALS IN INORGANIC MATRICES: MATERIALS WITH ROBUST PERFORMANCE. , 2013, , .		0
107	ENHANCEMENT EFFECTS AT JUNCTIONS OF CROSSED SILVER NANOWIRES WITH J-AGGREGATES. , 2013, , .		0

108 Aqueous Synthesis of Colloidal CdTe Nanocrystals. , 2013, , 23-59.

#	Article	IF	CITATIONS
109	Incoherent photon conversion in selectively infiltrated hollow-core photonic crystal fibers for single photon generation in the near infrared. Optics Express, 2012, 20, 11536.	3.4	4
110	Large energy transfer distance to a plane of gold nanoparticles. , 2012, , .		3
111	Emissive Semiconductor Nanocrystals: Recent Progress. ECS Transactions, 2012, 45, 61-66.	0.5	0
112	Quantum-Dot-Based (Aero)gels: Control of the Optical Properties. Journal of Physical Chemistry Letters, 2012, 3, 2188-2193.	4.6	40
113	Enhancement effects in plasmonic nanocavities with quantum emitters. , 2012, , .		0
114	Large-area (> 50 cm × 50 cm), freestanding, flexible, optical membranes of Cd-free nanocrystal quantum dots. , 2012, , .		0
115	Penetration of Amphiphilic Quantum Dots through Model and Cellular Plasma Membranes. ACS Nano, 2012, 6, 2150-2156.	14.6	59
116	Hybrid organic/inorganic semiconductor nanostructures with highly efficient energy transfer. Journal of Materials Chemistry, 2012, 22, 10816.	6.7	44
117	Colloidal Nanocrystals Embedded in Macrocrystals: Robustness, Photostability, and Color Purity. Nano Letters, 2012, 12, 5348-5354.	9.1	136
118	Effect of Metal Nanoparticle Concentration on Localized Surface Plasmon Mediated Förster Resonant Energy Transfer. Journal of Physical Chemistry C, 2012, 116, 26529-26534.	3.1	39
119	Wavelength, Concentration, and Distance Dependence of Nonradiative Energy Transfer to a Plane of Gold Nanoparticles. ACS Nano, 2012, 6, 9283-9290.	14.6	131
120	Application of Polymer Quantum Dot-Enzyme Hybrids in the Biosensor Development and Test Paper Fabrication. Analytical Chemistry, 2012, 84, 5047-5052.	6.5	67
121	Colloidal Nanocrystal-Based Gels and Aerogels: Material Aspects and Application Perspectives. Journal of Physical Chemistry Letters, 2012, 3, 8-17.	4.6	155
122	Highâ€Performance Electrocatalysis on Palladium Aerogels. Angewandte Chemie - International Edition, 2012, 51, 5743-5747.	13.8	181
123	Application Prospects of Sprayâ€Assisted Layerâ€by‣ayer Assembly of Colloidal Nanoparticles. ChemPhysChem, 2012, 13, 2128-2132.	2.1	7
124	Large-Area (over 50 cm × 50 cm) Freestanding Films of Colloidal InP/ZnS Quantum Dots. Nano Letters, 2012, 12, 3986-3993.	9.1	104
125	One-Phase Synthesis of Gold Nanoparticles with Varied Solubility. Langmuir, 2011, 27, 10224-10227.	3.5	16
126	Surface Plasmon Enhanced Energy Transfer between Donor and Acceptor CdTe Nanocrystal Quantum Dot Monolayers. Nano Letters, 2011, 11, 3341-3345.	9.1	159

#	Article	IF	CITATIONS
127	Anisotropic Emission from Multilayered Plasmon Resonator Nanocomposites of Isotropic Semiconductor Quantum Dots. ACS Nano, 2011, 5, 1328-1334.	14.6	66
128	3D Assembly of Semiconductor and Metal Nanocrystals: Hybrid CdTe/Au Structures with Controlled Content. Journal of the American Chemical Society, 2011, 133, 13413-13420.	13.7	112
129	Electrochemical Patterning of Polyaniline on Insulating Substrates. Zeitschrift Fur Physikalische Chemie, 2011, 225, 373-378.	2.8	1
130	Concentration dependence of Förster resonant energy transfer between donor and acceptor nanocrystal quantum dot layers: Effect of donor-donor interactions. Physical Review B, 2011, 83, .	3.2	111
131	Modification of the FRET rate in quantum dot structures. , 2011, , .		0
132	Enhanced quantum efficiency in mixed donor-acceptor nanocrystal quantum dot monolayers. , 2011, , .		1
133	Enhanced quantum dot deposition on ZnO nanorods for photovoltaics through layer-by-layer processing. Journal of Materials Chemistry, 2011, 21, 2517.	6.7	51
134	Synthesis and Agglomeration of Silver Nanoparticles Stabilized with 5-R-Tetrazoles. Zeitschrift Fur Physikalische Chemie, 2011, 225, 363-371.	2.8	9
135	Quantum dot integrated LEDs using photonic and excitonic color conversion. Nano Today, 2011, 6, 632-647.	11.9	245
136	Photoluminescence properties of heat-treated porous alumina films formed in oxalic acid. Journal of Luminescence, 2011, 131, 938-942.	3.1	46
137	All - Optical spatial light modulator using CdTe quantum dots. , 2011, , .		0
138	Resonance Energy Transfer Improves the Biological Function of Bacteriorhodopsin within a Hybrid Material Built from Purple Membranes and Semiconductor Quantum Dots. Nano Letters, 2010, 10, 2640-2648.	9.1	80
139	Thiol-capped CdTe nanocrystals: progress and perspectives of the related research fields. Physical Chemistry Chemical Physics, 2010, 12, 8685.	2.8	113
140	Layerâ€byâ€Layer Allâ€Inorganic Quantumâ€Dotâ€Based LEDs: A Simple Procedure with Robust Performance. Advanced Functional Materials, 2010, 20, 3298-3302.	14.9	61
141	Progress in the Light Emission of Colloidal Semiconductor Nanocrystals. Small, 2010, 6, 1364-1378.	10.0	159
142	Gels and aerogels from colloidal nanocrystals. , 2010, , .		0
143	Optical limiting in polystyrene embedded nanocrystals. , 2010, , .		0
144	Influence of localised surface plasmons on energy transfer between quantum dots. , 2010, , .		0

9

#	Article	IF	CITATIONS
145	Observation of anisotropic emission from semiconductor quantum dots in nanocomposites of metal nanoparticles. , 2010, , .		0
146	Influence of intra-ensemble energy transfer on the properties of nanocrystal quantum dot structures and devices. , 2010, , .		1
147	CdTe Nanocrystals Capped with a Tetrazolyl Analogue of Thioglycolic Acid: Aqueous Synthesis, Characterization, and Metal-Assisted Assembly. ACS Nano, 2010, 4, 4090-4096.	14.6	80
148	Influence of quantum dot concentration on Förster resonant energy transfer in monodispersed nanocrystal quantum dot monolayers. Physical Review B, 2010, 81, .	3.2	85
149	Highly efficient nonradiative energy transfer mediated light harvesting in water using aqueous CdTe quantum dot antennas. Optics Express, 2010, 18, 10720.	3.4	14
150	Energy transfer in colloidal CdTe quantum dot nanoclusters. Optics Express, 2010, 18, 24486.	3.4	27
151	Saturated near-resonant refractive optical nonlinearity in CdTe quantum dots. Optics Letters, 2010, 35, 1079.	3.3	24
152	Self-Assembly of TGA-Capped CdTe Nanocrystals into Three-Dimensional Luminescent Nanostructures. Chemistry of Materials, 2010, 22, 2309-2314.	6.7	58
153	One-step aqueous synthesis of blue-emitting glutathione-capped ZnSe1â^'xTexalloyed nanocrystals. Chemical Communications, 2010, 46, 886-888.	4.1	53
154	Assemblies of thiol-capped nanocrystals as building blocks for use in nanotechnology. Journal of Materials Chemistry, 2010, 20, 5174.	6.7	40
155	Amphiphilic and magnetic behavior of Fe3O4 nanocrystals. Physical Chemistry Chemical Physics, 2010, 12, 2063.	2.8	8
156	Structural tuning of color chromaticity through nonradiative energy transfer by interspacing CdTe nanocrystal monolayers. Applied Physics Letters, 2009, 94, .	3.3	41
157	Size dependent nonlinear properties of thiol-capped CdTe QDs. , 2009, , .		0
158	Architectural tuning of color chromaticity by controlled nonradiative resonance energy transfer in CdTe nanocrystal solids. , 2009, , .		0
159	Optical limiting in CdTe nanocrystals embedded in polystyrene. Proceedings of SPIE, 2009, , .	0.8	4
160	Manufacturing of a Nanocrystal-based LED by Layer-by-Layer Deposition. ECS Transactions, 2009, 25, 37-40.	0.5	0
161	Hydrogels and Aerogels from Noble Metal Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 9731-9734.	13.8	271
162	Formâ€anisotropy of 2D nanostructures: Modeling approaches comparison. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2834-2838.	1.8	0

#	Article	IF	CITATIONS
163	Synthesis of Amphiphilic CdTe Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 4748-4750.	3.1	30
164	Determination of the Fluorescence Quantum Yield of Quantum Dots: Suitable Procedures and Achievable Uncertainties. Analytical Chemistry, 2009, 81, 6285-6294.	6.5	556
165	One-pot aqueous synthesis of high quality near infrared emitting Cd1â^'xHgxTe nanocrystals. Journal of Materials Chemistry, 2009, 19, 9147.	6.7	39
166	The use of nanocrystals with emission in the visible or near infrared and their applications for photonics and optoelectronics. Proceedings of SPIE, 2009, , .	0.8	0
167	FABRICATION OF NANOCRYSTAL LEDS BY LAYER-BY-LAYER DEPOSITION. , 2009, , .		0
168	GELS AND AEROGELS FROM COLLOIDAL NANOCRYSTALS. , 2009, , .		0
169	Electrochemical probing of thiol-capped nanocrystals. Mikrochimica Acta, 2008, 160, 327-334.	5.0	26
170	Lightâ€Emitting Diodes with Semiconductor Nanocrystals. Angewandte Chemie - International Edition, 2008, 47, 6538-6549.	13.8	305
171	Threeâ€Dimensional Selfâ€Assembly of Thiol apped CdTe Nanocrystals: Gels and Aerogels as Building Blocks for Nanotechnology. Advanced Materials, 2008, 20, 4257-4262.	21.0	116
172	Effect of template defects in radiative energy relaxation of CdTe nanocrystals in nanotubes of chrysotile asbestos. Microporous and Mesoporous Materials, 2008, 107, 212-218.	4.4	1
173	Switchable Photoluminescence of CdTe Nanocrystals by Temperature-Responsive Microgels. Langmuir, 2008, 24, 9820-9824.	3.5	81
174	Tuning shades of white light with multi-color quantum-dot–quantum-well emitters based on onion-like CdSe–ZnS heteronanocrystals. Nanotechnology, 2008, 19, 335203.	2.6	45
175	White emitting CdS quantum dot nanoluminophores hybridized on near-ultraviolet LEDs for high-quality white light generation and tuning. New Journal of Physics, 2008, 10, 023026.	2.9	55
176	Studying the Reactions of CdTe Nanostructures and Thin CdTe Films with Ag <sup>+</sup> and AuCl <sub>4</sub> <sup>â^²</sup> . Journal of Physical Chemistry C, 2008, 112, 8881-8889.	3.1	34
177	Dual-color emitting quantum-dot-quantum-well CdSe-ZnS heteronanocrystals hybridized on InGaNâ^•GaN light emitting diodes for high-quality white light generation. Applied Physics Letters, 2008, 92, .	3.3	74
178	Toward efficient blue-emitting thiol-capped Zn1â^'xCdxSe nanocrystals. Journal of Materials Chemistry, 2008, 18, 5142.	6.7	32
179	Surface-state emission enhancement in white-luminophor CdS nanocrystals using localized plasmon coupling. , 2008, , .		0
180	Covalent immobilization of quantum dots on macroscopic surfaces using poly(acrylic acid) brushes. Journal of Materials Chemistry, 2008, 18, 214-220.	6.7	58

#	Article	IF	CITATIONS
181	Ultrafast Interfacial Charge Carrier Dynamics in ZnSe and ZnSe/ZnS Core/Shell Nanoparticles: Influence of Shell Formation. Journal of Physical Chemistry C, 2008, 112, 2703-2710.	3.1	39
182	Formation of Copper Nanowires by Electroless Deposition Using Microtubules as Templates. Journal of Nanoscience and Nanotechnology, 2008, 8, 3416-3421.	0.9	24
183	Aqueous synthesis of semiconductor nanocrystals. , 2008, , 73-99.		12
184	Selective enhancement of surface-state emission and simultaneous quenching of interband transition in white-luminophor CdS nanocrystals using localized plasmon coupling. New Journal of Physics, 2008, 10, 083035.	2.9	39
185	Multi-layered CdSe/ZnS/CdSe heteronanocrystals to generate and tune white light. , 2008, , .		1
186	Modification of emission of CdTe nanocrystals by the local field of Langmuir–Blodgett colloidal photonic crystals. Journal of Applied Physics, 2008, 104, 103118.	2.5	9
187	Strong Luminescence in 1500 nm from HgTe Colloidal Quantum Dots Infiltrated in a Photonic Crystal Lattice. , 2008, , .		0
188	Fabrication and characterization of red-emitting electroluminescent devices based on thiol-stabilized semiconductor nanocrystals. Applied Physics Letters, 2007, 90, 034107.	3.3	75
189	Highly emissive CdTe nanowires grown in a phosphate buffer solution. , 2007, , .		0
190	White CdS Nanoluminophore based Tunable Hybrid Light Emitting Diodes. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
191	Self-assembled macroscopic structures of gold nanoparticles. Proceedings of SPIE, 2007, , .	0.8	0
192	<title>Colloidal nanocrystals: on the way from synthesis to applications</title> ., 2007, , .		0
193	Synthesis and Assembling of Semiconductor and Metal Nanocrystals. Zeitschrift Fur Physikalische Chemie, 2007, 221, 307-317.	2.8	3
194	NIR-emitting nanocrystals for photonic applications. , 2007, , .		0
195	Highly emissive CdTe nanowires grown in a phosphate buffer solution: FLIM imaging and spectroscopic studies. Proceedings of SPIE, 2007, , .	0.8	0
196	Photonic molecules modes in resonantly coupled spherical microcavities with semiconductor nanocrystals. , 2007, , .		0
197	White organic light-emitting devices incorporating nanoparticles of Il–VI semiconductors. Nanotechnology, 2007, 18, 335202.	2.6	28
198	Cathodic and Anodic Material Diffusion in Polymer/Semiconductorâ€Nanocrystal Composite Devices. Advanced Materials, 2007, 19, 3364-3367.	21.0	38

0

#	Article	IF	CITATIONS
199	Luminescent energy transfer between cadmium telluride nanoparticle and lanthanide(III) chelate in competitive bioaffinity assays of biotin and estradiol. Analytica Chimica Acta, 2007, 604, 177-183.	5.4	44
200	Emission pattern of planar CdTe nanocrystal light source coated by two-dimensional Langmuir-Blodgett photonic crystal. Materials Science and Engineering C, 2007, 27, 968-971.	7.3	3
201	Synthesis and characterisation of NIR-emitting nanocrystals for photonic and optoelectronic applications. Photonics and Nanostructures - Fundamentals and Applications, 2007, 5, 113-118.	2.0	4
202	Light emission from three-dimensional ensembles of CdTe nanocrystal wires templated in nanotubes of chrysotile asbestos. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 218-221.	2.7	4
203	Nonfunctionalized Nanocrystals Can Exploit a Cell's Active Transport Machinery Delivering Them to Specific Nuclear and Cytoplasmic Compartments. Nano Letters, 2007, 7, 3452-3461.	9.1	219
204	Aqueous Synthesis of Thiol-Capped CdTe Nanocrystals:  State-of-the-Art. Journal of Physical Chemistry C, 2007, 111, 14628-14637.	3.1	703
205	Effect of chemical composition on luminescence of thiol-stabilized CdTe nanocrystals. Nanoscale Research Letters, 2007, 2, 230-234.	5.7	16
206	Ultrafast Interfacial Carrier Dynamics in UV-Blue Photoluminescing ZnSe Nanoparticles. Springer Series in Chemical Physics, 2007, , 698-700.	0.2	0
207	ELECTROCHEMICAL STUDY OF PHOTOCHEMICALLY TREATED THIOL-CAPPED $ZnSe(S)$ NANOCRYSTALS. , 2007, , .		0
208	Off-resonance surface plasmon enhanced spontaneous emission from CdTe quantum dots. Applied Physics Letters, 2006, 89, 253118.	3.3	109
209	Light Emitting Opal-Based Photonic Crystal Heterojunctions. , 2006, , 132-152.		1
210	Comparative Examination of the Stability of Semiconductor Quantum Dots in Various Biochemical Buffers. Journal of Physical Chemistry B, 2006, 110, 1959-1963.	2.6	128
211	Electrochemical Observation of the Photoinduced Formation of Alloyed ZnSe(S) Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 19233-19237.	2.6	30
212	Radiation pressure induced splitting of resonant modes in a nanocrystal-coated microcavity. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3689-3692.	0.8	1
213	Factors Governing the Quality of Aqueous CdTe Nanocrystals:  Calculations and Experiment. Journal of Physical Chemistry B, 2006, 110, 19280-19284.	2.6	181
214	Whispering gallery modes in photoluminescence and Raman spectra of a spherical microcavity with CdTe quantum dots: anti-Stokes emission and interference effects. Nanoscale Research Letters, 2006, 1, 68-73.	5.7	13
215	Quantum Dot Thin Layers Templated on ZnO Inverse Opals. Advanced Materials, 2006, 18, 2768-2772.	21.0	28

Ordered bimetallic nanostructures with hierarchical porosity and their applications. , 2006, 6182, 336.

#	Article	IF	CITATIONS
217	Ultrafast Interfacial Carrier Dynamics in UV-Blue Photoluminescing ZnSe Nanoparticles. , 2006, , .		0
218	Enhanced coupling of electronic and photonic states in a microcavity-quantum dot system. , 2005, , .		0
219	Highly emissive nanowires grown from CdTe nanocrystals in a phosphate buffer solution. , 2005, 5824, 123.		1
220	Photonic molecules modes in resonantly coupled spherical microcavities with semiconductor nanocrystals. , 2005, , .		0
221	Interaction of surface plasmons with CdTe quantum dot excitons. , 2005, , .		2
222	Coupled cavity modes in photonic molecules with semiconductor nanocrystals. , 2005, , .		1
223	SIZE-DEPENDENT ELECTROCHEMICAL BEHAVIOR OF THIOL-CAPPED NANOCRYSTALS. , 2005, , .		0
224	A direct measurement of g-factors in Il–VI and III–V core–shell nanocrystals. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 9-13.	2.7	7
225	Three-dimensional photon confinement in a spherical microcavity with CdTe quantum dots: Raman spectroscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 28-32.	2.7	7
226	Controlled Fabrication of Gold-Coated 3D Ordered Colloidal Crystal Films and Their Application in Surface-Enhanced Raman Spectroscopy. Chemistry of Materials, 2005, 17, 5731-5736.	6.7	147
227	Modification of Photon States in Photonic Molecules with Semiconductor Nanocrystals. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 99, 493.	0.6	1
228	The Assembling of Semiconductor Nanocrystals. European Journal of Inorganic Chemistry, 2005, 2005, 3613-3623.	2.0	74
229	Covalent Linking of CdTe Nanocrystals to Amino-Functionalized Surfaces. ChemPhysChem, 2005, 6, 449-451.	2.1	48
230	Selective Fabrication of Ordered Bimetallic Nanostructures with Hierarchical Porosity. Angewandte Chemie - International Edition, 2005, 44, 5997-6001.	13.8	89
231	Reply: Self-Assembly of Monodisperse Nanocrystals Into Faceted Crystal Superlattices. Advanced Materials, 2005, 17, 1325-1329.	21.0	12
232	The Assembling of Semiconductor Nanocrystals. ChemInform, 2005, 36, no.	0.0	0
233	Spontaneous emission from semiconductor nanocrystals in coupled spherical microcavities. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 858-861.	0.8	5
234	High-Rate Unidirectional Energy Transfer in Directly Assembled CdTe Nanocrystal Bilayers. Small, 2005, 1, 392-395.	10.0	87

#	Article	IF	CITATIONS
235	Nanoengineered Polymer Capsules: Tools for Detection, Controlled Delivery, and Site-Specific Manipulation. Small, 2005, 1, 194-200.	10.0	271
236	Branched Wires of CdTe Nanocrystals Using Amphiphilic Molecules as Templates. Small, 2005, 1, 524-527.	10.0	37
237	Quantum dot emitters in two-dimensional photonic crystals of macroporous silicon. Applied Physics Letters, 2005, 87, 142107.	3.3	24
238	Electrostatic and Covalent Interactions in CdTe Nanocrystalline Assemblies. Journal of Physical Chemistry B, 2005, 109, 20244-20250.	2.6	39
239	Size-Dependent Electrochemical Behavior of Thiol-Capped CdTe Nanocrystals in Aqueous Solution. Journal of Physical Chemistry B, 2005, 109, 1094-1100.	2.6	211
240	COVALENT LINKING OF SEMICONDUCTOR NANOCRYSTALS TO AMINO-FUNCTIONALIZED SURFACES. , 2005, , .		0
241	Confocal microscopy and spectroscopy of nanocrystals on a high-Qmicrosphere resonator. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 154-158.	1.4	21
242	Emission stimulation in a directional band gap of a CdTe-loaded opal photonic crystal. Physical Review E, 2004, 69, 046606.	2.1	20
243	Structure-related optical properties of luminescent hetero-opals. Journal of Applied Physics, 2004, 95, 1029-1035.	2.5	32
244	Highly directional emission from colloidally synthesized nanocrystals in vertical cavities with small mode spacing. Applied Physics Letters, 2004, 84, 2223-2225.	3.3	16
245	Stimulated emission due to light localization in the bandgap of disordered opals. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1522-1530.	0.8	3
246	Near-Infrared Electroluminescence from HgTe Nanocrystals. ChemPhysChem, 2004, 5, 1435-1438.	2.1	68
247	In-Situ Observation of Nanowire Growth from Luminescent CdTe Nanocrystals in a Phosphate Buffer Solution. ChemPhysChem, 2004, 5, 1600-1602.	2.1	62
248	Highly efficient Förster resonance energy transfer between CdTe nanocrystals and Rhodamine B in mixed solid films. Chemical Physics Letters, 2004, 388, 100-104.	2.6	40
249	Confined optical modes in small photonic molecules with semiconductor nanocrystals. Journal of Applied Physics, 2004, 96, 6761-6765.	2.5	22
250	Subwavelength emitters in the near-infrared based on mercury telluride nanocrystals. Applied Physics Letters, 2004, 84, 4732-4734.	3.3	30
251	Investigation of Energy Transfer between CdTe Nanocrystals on Polystyrene Beads and Dye Molecules for FRET-SNOM Applicationsâ€. Journal of Physical Chemistry B, 2004, 108, 14527-14534.	2.6	45
252	Efficient UV-Blue Photoluminescing Thiol-Stabilized Water-Soluble Alloyed ZnSe(S) Nanocrystals. Journal of Physical Chemistry B, 2004, 108, 5905-5908.	2.6	216

#	Article	IF	CITATIONS
253	Fine structure of coupled optical modes in photonic molecules. Physical Review A, 2004, 70, .	2.5	94
254	Fast energy transfer in layer-by-layer assembled CdTe nanocrystal bilayers. Applied Physics Letters, 2004, 84, 2904-2906.	3.3	130
255	Luminescent Polymer Microcapsules Addressable by a Magnetic Field. Langmuir, 2004, 20, 1449-1452.	3.5	180
256	Light propagation in opal heterojunctions. , 2004, , .		2
257	Magneto-Optical Studies of HgTe/HgxCd1â^'xTe(S) Core-Shell Nanocrystals. ChemPhysChem, 2003, 4, 1203-1210.	2.1	19
258	Etching of Colloidal InP Nanocrystals with Fluorides: Photochemical Nature of the Process Resulting in High Photoluminescence Efficiency ChemInform, 2003, 34, no.	0.0	2
259	Light emission in a directional photonic bandgap. Physica Status Solidi A, 2003, 197, 662-672.	1.7	21
260	Relations between the Photoluminescence Efficiency of CdTe Nanocrystals and Their Surface Properties Revealed by Synchrotron XPS. Journal of Physical Chemistry B, 2003, 107, 9662-9668.	2.6	191
261	Labeling of Biocompatible Polymer Microcapsules with Near-Infrared Emitting Nanocrystals. Nano Letters, 2003, 3, 369-372.	9.1	153
262	Exploring integration prospects of opal-based photonic crystals. Synthetic Metals, 2003, 139, 701-704.	3.9	12
263	Raman scattering and anti-Stokes emission from a single spherical microcavity with a CdTe quantum dot monolayer. Applied Physics Letters, 2003, 83, 2539-2541.	3.3	34
264	Modification of the spontaneous emission of CdTe nanocrystals in TiO2 inverted opals. Journal of Applied Physics, 2003, 94, 1205-1210.	2.5	26
265	Whispering gallery mode emission from a composite system of CdTe nanocrystals and a spherical microcavity. Semiconductor Science and Technology, 2003, 18, 914-918.	2.0	69
266	Emission in the ballistic propagation regime of colloidal photonic crystals. , 2003, , .		0
267	LUMINESCENT CODING BY QUANTUM DOTS: MICROCAPSULES LOADED WITH SEMICONDUCTOR NANOCRYSTALS. , 2003, , .		0
268	WHISPERING GALLERY MODE EMISSION FROM A CORE-SHELL SYSTEM OF <font>CdTe</font> NANOCRYSTALS ON A SPHERICAL MICROCAVITY. , 2003, , .		0
269	Colloidally synthesised semiconductor nanocrystals in resonant cavity light emitting devices. Electronics Letters, 2002, 38, 1373.	1.0	2
270	Efficient Phase Transfer of Luminescent Thiol-Capped Nanocrystals:  From Water to Nonpolar Organic Solvents. Nano Letters, 2002, 2, 803-806.	9.1	247

#	Article	IF	CITATIONS
271	Lateral Patterning of CdTe Nanocrystal Films by the Electric Field Directed Layer-by-Layer Assembly Method. Langmuir, 2002, 18, 4098-4102.	3.5	127
272	Etching of Colloidal InP Nanocrystals with Fluorides:  Photochemical Nature of the Process Resulting in High Photoluminescence Efficiency. Journal of Physical Chemistry B, 2002, 106, 12659-12663.	2.6	209
273	Confined Optical Vibrations in CdTe Quantum Dots and Clusters. Physica Status Solidi (B): Basic Research, 2002, 229, 433-437.	1.5	25
274	Toward Encoding Combinatorial Libraries: Charge-Driven Microencapsulation of Semiconductor Nanocrystals Luminescing in the Visible and Near IR. Advanced Materials, 2002, 14, 879.	21.0	188
275	Dipole-active vibrations confined in InP quantum dots. Physica B: Condensed Matter, 2002, 316-317, 452-454.	2.7	5
276	Synthesis of surface-modified colloidal semiconductor nanocrystals and study of photoinduced charge separation and transport in nanocrystal-polymer composites. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 14, 237-241.	2.7	79
277	Thiol-Capping of CdTe Nanocrystals:  An Alternative to Organometallic Synthetic Routes. Journal of Physical Chemistry B, 2002, 106, 7177-7185.	2.6	1,485
278	Photonic Crystals Based on Two-Layer Opaline Heterostructures. Materials Research Society Symposia Proceedings, 2002, 722, 771.	0.1	2
279	SYNTHESIS AND OPTICAL PROPERTIES OF WATER SOLUBLE ZnSe NANOCRYSTALS. International Journal of Modern Physics B, 2001, 15, 3881-3884.	2.0	35
280	Optically Detected Magnetic Resonance Study of Core-Shell and Alloy Nanocrystals of HgTe and CdS. Materials Research Society Symposia Proceedings, 2001, 692, 1.	0.1	0
281	Optical Characterization of Cadmium Telluride Doped Heterostructured Opaline Photonic Crystal. Materials Research Society Symposia Proceedings, 2001, 694, 1.	0.1	0
282	Optical Characterization of Cadmium Telluride Doped Heterostructured Opaline Photonic Crystal. Materials Research Society Symposia Proceedings, 2001, 707, 781.	0.1	0
283	Optical Characterization of Cadmium Telluride Doped Heterostructured Opaline Photonic Crystal. Materials Research Society Symposia Proceedings, 2001, 708, 781.	0.1	1
284	Core-Shell Structures Formed by the Solvent-Controlled Precipitation of Luminescent CdTe Nanocrystals on Latex Spheres. Advanced Materials, 2001, 13, 1684-1687.	21.0	159
285	A New Approach to Crystallization of CdSe Nanoparticles into Ordered Three-Dimensional Superlattices. Advanced Materials, 2001, 13, 1868.	21.0	248
286	A New Approach to Crystallization of CdSe Nanoparticles into Ordered Three-Dimensional Superlattices. , 2001, 13, 1868.		1
287	SYNTHESIS AND OPTICAL PROPERTIES OF WATER SOLUBLE ZnSe NANOCRYSTALS. , 2001, , .		0
288	Electrochemical synthesis of CdTe nanocrystal/polypyrrole composites for optoelectronic applications. Journal of Materials Chemistry, 2000, 10, 2163-2166.	6.7	121

#	Article	IF	CITATIONS
289	A light-emitting device based on a CdTe nanocrystal/polyaniline composite. Physical Chemistry Chemical Physics, 1999, 1, 1787-1789.	2.8	98
290	Emission modification in heterostructured opal photonic crystals. , 0, , .		0
291	Coupled cavity modes in photonic molecules. , 0, , .		0
292	Photobleaching and resonant mode shift in a microsphere-quantum dot system. , 0, , .		0
293	Wavelength tunable optical mode lifetimes in photonic molecules: new concept for multiplexing and delaying an optical signal. , 0, , .		0
294	Photonic molecules: a new concept for wavelength tunable optical delay. , 0, , .		0
295	Strong coupling of optical modes in photonic molecules with CdTe nanocrystals. , 0, , .		0
296	Metal surface enhanced emission from CdTe quantum dots. , 0, , .		0
297	Aqueous based colloidal quantum dots for optoelectronics. , 0, , 30-58.		0