Quantum dot bioconjugates for imaging, labelling and s

Nature Materials 4, 435-446

DOI: 10.1038/nmat1390

Citation Report

#	Article	IF	CITATIONS
1	Comparability of Fluorescence Microscopy Data and Need for Instrument Characterization of Spectral Scanning Microscopes. Springer Series on Fluorescence, 2008, , 89-116.	0.8	2
2	Unmodified Cadmium Telluride Quantum Dots Induce Reactive Oxygen Species Formation Leading to Multiple Organelle Damage and Cell Death. Chemistry and Biology, 2005, 12, 1227-1234.	6.0	656
3	New Light on Quantum Dot Cytotoxicity. Chemistry and Biology, 2005, 12, 1159-1161.	6.0	100
4	Single-quantum-dot-based DNA nanosensor. Nature Materials, 2005, 4, 826-831.	27.5	921
5	Mapping behaviorally relevant neural circuits with immediate-early gene expression. Current Opinion in Neurobiology, 2005, 15, 599-606.	4.2	349
6	Application of luminescent Eu:Gd[sub 2]O[sub 3] nanoparticles to the visualization of protein micropatterns. Journal of Biomedical Optics, 2005, 10, 064006.	2.6	73
7	Special Feature â€" Nanobiotechnology/Nanomedicine. Asia Pacific Biotech News, 2005, 09, 1048-1082.	0.0	4
8	Fluorescent Nanoparticle Probes for Cancer Imaging. Technology in Cancer Research and Treatment, 2005, 4, 593-602.	1.9	131
9	Preliminary results: exploring the interactions of quantum dots with whole blood components. , 2005, 5969, 54.		0
10	Quantum Dot Surfaces for Use In Vivo and In Vitro. Current Topics in Developmental Biology, 2005, 70, 103-120.	2.2	25
11	Quantum Dot-Conjugated Hybridization Probes for Preliminary Screening of siRNA Sequences. Journal of the American Chemical Society, 2005, 127, 11328-11335.	13.7	105
12	Expanding Frontiers in Biomaterials. MRS Bulletin, 2005, 30, 864-873.	3.5	41
13	Fluorescence Resonance Energy Transfer in CdSe/ZnSâ^'DNA Conjugates:  Probing Hybridization and DNA Cleavage. Journal of Physical Chemistry B, 2005, 109, 23715-23719.	2.6	252
14	Quantum Dot-Based Multiplexed Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2005, 127, 18212-18221.	13.7	232
15	Watching Silica Nanoparticles Glow in the Biological World. Analytical Chemistry, 2006, 78, 646-654.	6.5	342
16	Adsorption and Hybridization of Oligonucleotides on Mercaptoacetic Acid-Capped CdSe/ZnS Quantum Dota [^] Oligonucleotide Conjugates. Langmuir, 2006, 22, 11346-11352.	3.5	108
17	Water-Soluble, Cyclodextrin-Modified CdSeâ^'CdS Coreâ^'Shell Structured Quantum Dots. Chemistry of Materials, 2006, 18, 1275-1280.	6.7	111
18	Size, Charge, and Interactions with Giant Lipid Vesicles of Quantum Dots Coated with an Amphiphilic Macromolecule. Langmuir, 2006, 22, 2304-2310.	3.5	113

#	Article	IF	CITATIONS
19	Nanoparticles for multiplex diagnostics and imaging. Nanomedicine, 2006, 1, 413-426.	3.3	88
20	Quantum Dot-Based Fluorescence Resonance Energy Transfer with Improved FRET Efficiency in Capillary Flows. Analytical Chemistry, 2006, 78, 5532-5537.	6.5	78
22	Selective, reversible, reagentless maltose biosensing with core–shell semiconducting nanoparticles. Analyst, The, 2006, 131, 229-235.	3.5	55
23	Preparation and Encapsulation of Highly Fluorescent Conjugated Polymer Nanoparticles. Langmuir, 2006, 22, 2956-2960.	3.5	348
24	Tracking Individual Proteins in Living Cells Using Single Quantum Dot Imaging. Methods in Enzymology, 2006, 414, 211-228.	1.0	31
25	Iridium-complex modified CdSe/ZnS quantum dots; a conceptual design for bifunctionality toward imaging and photosensitization. Chemical Communications, 2006, , 615.	4.1	68
26	Solution-Phase Single Quantum Dot Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2006, 128, 15324-15331.	13.7	272
27	Homogenous rapid detection of nucleic acids using two-color quantum dots. Analyst, The, 2006, 131, 484.	3.5	38
28	Low-temperature solvothermal synthesis of nanocrystalline indium nitride and Ga–In–N composites from the decomposition of metal azides. Journal of Materials Chemistry, 2006, 16, 3774-3784.	6.7	34
29	Uncoated, Broad Fluorescent, and Size-Homogeneous CdSe Quantum Dots for Bioanalyses. Analytical Chemistry, 2006, 78, 321-330.	6.5	76
30	Solid state NMR studies of photoluminescent cadmium chalcogenide nanoparticles. Physical Chemistry Chemical Physics, 2006, 8, 3510.	2.8	73
31	Multi-functional polymeric nanoparticles for tumour-targeted drug delivery. Expert Opinion on Drug Delivery, 2006, 3, 205-216.	5.0	317
32	Emerging use of nanoparticles in diagnosis and treatment of breast cancer. Lancet Oncology, The, 2006, 7, 657-667.	10.7	505
33	Lanthanides to Quantum Dots Resonance Energy Transfer in Time-Resolved Fluoro-Immunoassays and Luminescence Microscopy. Journal of the American Chemical Society, 2006, 128, 12800-12809.	13.7	205
34	Self-Assembled Quantum Dotâ^'Peptide Bioconjugates for Selective Intracellular Delivery. Bioconjugate Chemistry, 2006, 17, 920-927.	3.6	246
35	Principles of Immunochemical Techniques Used in Clinical Laboratories. Laboratory Medicine, 2006, 37, 490-497.	1.2	59
36	Reagents to Measure and Manipulate Cell Functions. , 2007, 356, 141-164.		10
37	Peptide-Labeled Near-Infrared Quantum Dots for Imaging Tumor Vasculature in Living Subjects. Nano Letters, 2006, 6, 669-676.	9.1	905

#	Article	IF	CITATIONS
38	Nanotechnology for cancer diagnostics: promises and challenges. Expert Review of Molecular Diagnostics, 2006, 6, 307-318.	3.1	152
39	Green upconversion nanocrystals for DNA detection. Chemical Communications, 2006, , 2557.	4.1	300
40	Synthesis of polyethylenimine/NaYF4nanoparticles with upconversion fluorescence. Nanotechnology, 2006, 17, 5786-5791.	2.6	280
41	Quantum Dots-Based Optical Fiber Temperature Sensors Fabricated by Layer-by-Layer. IEEE Sensors Journal, 2006, 6, 1378-1379.	4.7	56
42	pH-Sensitive Quantum Dots. Journal of Physical Chemistry B, 2006, 110, 3853-3855.	2.6	162
43	Synthesis, properties and perspectives of hybrid nanocrystal structures. Chemical Society Reviews, 2006, 35, 1195.	38.1	855
44	Hydrodynamic Dimensions, Electrophoretic Mobility, and Stability of Hydrophilic Quantum Dots. Journal of Physical Chemistry B, 2006, 110, 20308-20316.	2.6	280
45	Quantum Dots Based Probes Conjugated to Annexin V for Photostable Apoptosis Detection and Imaging. Nano Letters, 2006, 6, 1863-1869.	9.1	90
46	Simple Conjugation and Purification of Quantum Dotâ [^] Antibody Complexes Using a Thermally Responsive Elastin-Protein L Scaffold As Immunofluorescent Agents. Journal of the American Chemical Society, 2006, 128, 14756-14757.	13.7	52
47	Quantum-Dot-Based Nanosensor for RRE IIB RNAâ^'Rev Peptide Interaction Assay. Journal of the American Chemical Society, 2006, 128, 5324-5325.	13.7	92
48	Luminescent Properties of Water-Soluble Denatured Bovine Serum Albumin-Coated CdTe Quantum Dots. Journal of Physical Chemistry B, 2006, 110, 16860-16866.	2.6	169
49	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. Australian Journal of Chemistry, 2006, 59, 175.	0.9	50
50	Targeting of Cancer Cells with Ferrimagnetic Ferritin Cage Nanoparticles. Journal of the American Chemical Society, 2006, 128, 16626-16633.	13.7	359
51	Electron Donor Solvent Effects Provide Biosensing with Quantum Dots. Journal of the American Chemical Society, 2006, 128, 15986-15987.	13.7	56
52	High-Resolution Optical Imaging from Trajectory Time Distributions. Journal of Physical Chemistry B, 2006, 110, 25101-25107.	2.6	5
53	Controlling the direction of photocurrents by means of CdS nanoparticles and cytochrome c-mediated biocatalytic cascades. Chemical Communications, 2006, , 1395.	4.1	69
54	Photocontrolled Magnetization of CdS-Modified Prussian Blue Nanoparticles. Journal of the American Chemical Society, 2006, 128, 10978-10982.	13.7	40
55	Protease-Modulated Cellular Uptake of Quantum Dots. Nano Letters, 2006, 6, 1988-1992.	9.1	104

#	ARTICLE	IF	CITATIONS
56	Novel nanocomposites from spider silk-silica fusion (chimeric) proteins. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9428-9433.	7.1	194
57	Energy Transfer Mediated Fluorescence from Blended Conjugated Polymer Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 14148-14154.	2.6	188
58	Probing Biocatalytic Transformations with CdSeâ^'ZnS QDs. Journal of the American Chemical Society, 2006, 128, 15376-15377.	13.7	178
59	Magnetically Assisted and Accelerated Self-Assembly of Strawberry-like Nano/Microparticlesâ€. Journal of Physical Chemistry B, 2006, 110, 19929-19934.	2.6	12
60	Designer Variable Repeat Length Polypeptides as Scaffolds for Surface Immobilization of Quantum Dots. Journal of Physical Chemistry B, 2006, 110, 10683-10690.	2.6	81
61	A Hybrid Vector for Ligand-Directed Tumor Targeting and Molecular Imaging. Cell, 2006, 125, 385-398.	28.9	242
62	A self-assembled quantum dot probe for detecting \hat{l}^2 -lactamase activity. Biochemical and Biophysical Research Communications, 2006, 344, 931-935.	2.1	89
63	Imaging of multiple mRNA targets using quantum dot based in situ hybridization and spectral deconvolution in clinical biopsies. Biochemical and Biophysical Research Communications, 2006, 348, 628-636.	2.1	73
64	Water-soluble quantum dots for biomedical applications. Biochemical and Biophysical Research Communications, 2006, 348, 781-786.	2.1	405
65	Reduction in nonfluorescence state of quantum dots on an immunofluorescence staining. Biochemical and Biophysical Research Communications, 2006, 351, 7-13.	2.1	32
66	Nanoparticle Polymer Composites: Where Two Small Worlds Meet. Science, 2006, 314, 1107-1110.	12.6	2,332
67	Aptamer-Capped Nanocrystal Quantum Dots:Â A New Method for Label-Free Protein Detection. Journal of the American Chemical Society, 2006, 128, 15584-15585.	13.7	196
68	Multicolor FRET Silica Nanoparticles by Single Wavelength Excitation. Nano Letters, 2006, 6, 84-88.	9.1	418
69	pH-Sensitive Ligand for Luminescent Quantum Dots. Langmuir, 2006, 22, 10284-10290.	3.5	118
70	Silica-Shelled Single Quantum Dot Micelles as Imaging Probes with Dual or Multimodality. Analytical Chemistry, 2006, 78, 5925-5932.	6.5	122
71	Fluorescent "light-up―bioprobes based on tetraphenylethylene derivatives with aggregation-induced emission characteristics. Chemical Communications, 2006, , 3705-3707.	4.1	497
72	Optical and pharmacological tools to investigate the role of mitochondria during oxidative stress and neurodegeneration. Progress in Neurobiology, 2006, 79, 136-171.	5.7	161
73	Imaging of Cells and Biological Molecules with Total Internal Reflection Fluorescence Microcopy. The Review of Laser Engineering, 2006, 34, 822-827.	0.0	0

#	Article	IF	CITATIONS
74	$\tilde{a}f\check{z}\tilde{a}f \tilde{\epsilon}, \tilde$, 2 6 , 3 38-3	3450
75	Passive Targeting of Solid Tumors. , 2006, , 11-18.		1
76	Title is missing!. Electrochemistry, 2006, 74, 501-506.	1.4	0
77	Lectin functionalized quantum dots for recognition of mammary tumors. , 2006, 6096, 291.		O
78	Spectroscopic modulation of multifunctionalized quantum dots for use as biological probes and effectors., 2006, 6096, 154.		3
79	Quantum dot based nanosensors designed for proteolytic monitoring. , 2006, 6096, 83.		1
80	Multiplexed and quantitative study of biomarker expression in tumor specimens using quantum dots., 2006, 6096, 257.		0
81	Three-dimensional reconstruction of cell nuclei, internalized quantum dots and sites of lipid peroxidation. Journal of Nanobiotechnology, 2006, 4, 10.	9.1	24
82	Inorganic phosphate nanorods are a novel fluorescent label in cell biology. Journal of Nanobiotechnology, 2006, 4, 11.	9.1	53
83	Metallothioneins Initiate Semiconducting Nanoparticle Cellular Toxicity. Small, 2006, 2, 1159-1163.	10.0	19
84	Core/Shell Fluorescent Silica Nanoparticles for Chemical Sensing: Towards Single-Particle Laboratories. Small, 2006, 2, 723-726.	10.0	273
85	Incorporating CdTe Nanocrystals into Polystyrene Microspheres: Towards Robust Fluorescent Beads. Small, 2006, 2, 898-901.	10.0	105
86	CdS-Cd(OH)2 core shell quantum dots functionalized with Concanavalin A lectin for recognition of mammary tumors. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4017-4022.	0.8	14
87	Synthesis and perspectives of complex crystalline nano-structures. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1329-1336.	1.8	10
88	Nanoparticles in biomolecular detection. Nano Today, 2006, 1, 28-37.	11.9	209
89	Self-illuminating quantum dot conjugates for in vivo imaging. Nature Biotechnology, 2006, 24, 339-343.	17.5	757
90	An X-ray computed tomography imaging agent based on long-circulating bismuth sulphide nanoparticles. Nature Materials, 2006, 5, 118-122.	27.5	850
91	Tinkering with cell machinery. Nature Materials, 2006, 5, 347-348.	27.5	13

#	Article	IF	CITATIONS
92	Proteolytic activity monitored by fluorescence resonance energy transfer through quantum-dot–peptide conjugates. Nature Materials, 2006, 5, 581-589.	27.5	537
93	Creating self-illuminating quantum dot conjugates. Nature Protocols, 2006, 1, 1160-1164.	12.0	94
94	Capping of CdSe–ZnS quantum dots with DHLA and subsequent conjugation with proteins. Nature Protocols, 2006, 1, 1258-1266.	12.0	248
95	Cellular imaging in drug discovery. Nature Reviews Drug Discovery, 2006, 5, 343-356.	46.4	314
96	Multispectral imaging of clinically relevant cellular targets in tonsil and lymphoid tissue using semiconductor quantum dots. Modern Pathology, 2006, 19, 1181-1191.	5.5	135
97	Dynamics in the plasma membrane: how to combine fluidity and order. EMBO Journal, 2006, 25, 3446-3457.	7.8	259
98	Development of homogeneous binding assays based on fluorescence resonance energy transfer between quantum dots and Alexa Fluor fluorophores. Analytical Biochemistry, 2006, 357, 68-76.	2.4	68
99	Colorimetric multiplexed immunoassay using specific aggregation of antigenic peptide-modified luminous nanoparticles. Analytica Chimica Acta, 2006, 578, 11-18.	5.4	17
100	Advances in fluorescence imaging with quantum dot bio-probes. Biomaterials, 2006, 27, 1679-1687.	11.4	411
101	Imaging molecular interactions in living cells by FRET microscopy. Current Opinion in Chemical Biology, 2006, 10, 409-416.	6.1	294
102	Nanoparticles for bioimaging. Advances in Colloid and Interface Science, 2006, 123-126, 471-485.	14.7	644
103	Luminescent CdTe nanocrystals as ion probes and pH sensors in aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 281, 40-43.	4.7	135
104	Maltose-binding protein: a versatile platform for prototyping biosensing. Current Opinion in Biotechnology, 2006, 17, 17-27.	6.6	115
105	The protein–nanomaterial interface. Current Opinion in Biotechnology, 2006, 17, 562-568.	6.6	109
106	Single-molecule imaging towards precise detection of individual photophysics. Journal of Luminescence, 2006, 119-120, 173-177.	3.1	3
107	Size-Dependent Extinction Coefficients of PbS Quantum Dots. Journal of the American Chemical Society, 2006, 128, 10337-10346.	13.7	406
108	Quantum dot/peptide-MHC biosensors reveal strong CD8-dependent cooperation between self and viral antigens that augment the T cell response. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16846-16851.	7.1	96
109	Biosensing with Luminescent Semiconductor Quantum Dots. Sensors, 2006, 6, 925-953.	3.8	381

#	Article	IF	CITATIONS
110	Fluorescent core–shell silica nanoparticles: towards "Lab on a Particle―architectures for nanobiotechnology. Chemical Society Reviews, 2006, 35, 1028-1042.	38.1	817
111	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. Chemical Communications, 2006, , 941.	4.1	637
112	Interaction of CdSe/ZnS core-shell semiconductor nanocrystals in solid thin films. Laser Physics, 2006, 16, 1625-1632.	1.2	28
113	Luminescent nanomaterials for biological labelling. Nanotechnology, 2006, 17, R1-R13.	2.6	514
114	Factors Governing the Quality of Aqueous CdTe Nanocrystals:  Calculations and Experiment. Journal of Physical Chemistry B, 2006, 110, 19280-19284.	2.6	181
115	From analog to digital: exploring cell dynamics with single quantum dots. Histochemistry and Cell Biology, 2006, 125, 451-456.	1.7	18
116	Ultrasensitive and rapid nanodevices for analytical immunoassays. Analytical and Bioanalytical Chemistry, 2006, 384, 27-30.	3.7	15
117	Optical sensors based on luminescent quantum dots. Analytical and Bioanalytical Chemistry, 2006, 384, 37-40.	3.7	54
118	Luminescent quantum dots in immunoassays. Analytical and Bioanalytical Chemistry, 2006, 384, 560-563.	3.7	106
119	Directing energy flow through quantum dots: towards nanoscale sensing. Analytical and Bioanalytical Chemistry, 2006, 384, 564-571.	3.7	58
120	Optical technologies for the read out and quality control of DNA and protein microarrays. Analytical and Bioanalytical Chemistry, 2006, 385, 500-517.	3.7	91
121	Characterization of the coupling of quantum dots and immunoglobulin antibodies. Analytical and Bioanalytical Chemistry, 2006, 386, 1665-1671.	3.7	52
122	In vitro study of drug accumulation in cancer cells via specific association with CdS nanoparticles. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4808-4812.	2.2	17
123	Downscaling functional bioassays by single-molecule techniques. Drug Discovery Today, 2006, 11, 640-645.	6.4	8
124	Assessing responses to cancer therapy using molecular imaging. Biochimica Et Biophysica Acta: Reviews on Cancer, 2006, 1766, 242-261.	7.4	61
125	Materials for Fluorescence Resonance Energy Transfer Analysis: Beyond Traditional Donor–Acceptor Combinations. Angewandte Chemie - International Edition, 2006, 45, 4562-4589.	13.8	1,383
126	The Supramolecular Chemistry of Organic–Inorganic Hybrid Materials. Angewandte Chemie - International Edition, 2006, 45, 5924-5948.	13.8	510
127	HaloTag Protein-Mediated Site-Specific Conjugation of Bioluminescent Proteins to Quantum Dots. Angewandte Chemie - International Edition, 2006, 45, 4936-4940.	13.8	153

#	Article	IF	CITATIONS
128	Tailor-Made Ligands for Biocompatible Nanoparticles. Angewandte Chemie - International Edition, 2006, 45, 6577-6580.	13.8	111
129	Designed Fabrication of Multifunctional Magnetic Gold Nanoshells and Their Application to Magnetic Resonance Imaging and Photothermal Therapy. Angewandte Chemie - International Edition, 2006, 45, 7754-7758.	13.8	475
130	Dynamic Light-Scattering Analysis of the Electrostatic Interaction of Hexahistidine-Tagged Cytochrome P450 Enzyme with Semiconductor Quantum Dots. ChemPhysChem, 2006, 7, 1112-1118.	2.1	74
131	Imaging of QDs-labeled tumors in small animals by fluorescence diffuse tomography. Laser Physics Letters, 2006, 3, 208-211.	1.4	11
137	Pharmacokinetics of Nanoscale Quantum Dots: In Vivo Distribution, Sequestration, and Clearance in the Rat. Advanced Functional Materials, 2006, 16, 1299-1305.	14.9	328
138	Sub-kilogram-Scale One-Pot Synthesis of Highly Luminescent and Monodisperse Core/Shell Quantum Dots by the Successive Injection of Precursors. Advanced Functional Materials, 2006, 16, 2077-2082.	14.9	53
139	Quantum Dots in Biological and Biomedical Research: Recent Progress and Present Challenges. Advanced Materials, 2006, 18, 1953-1964.	21.0	598
140	Growing Metal Nanoparticles by Enzymes. Advanced Materials, 2006, 18, 1109-1120.	21.0	398
141	Fast and Spatially Resolved Environmental Probing Using Stimuli-Responsive Polymer Layers and Fluorescent Nanocrystals. Advanced Materials, 2006, 18, 1453-1457.	21.0	99
142	Particle Surface Design using an All-Dry Encapsulation Method. Advanced Materials, 2006, 18, 1972-1977.	21.0	75
143	Combining Fluorescent Probes and Biofunctional Magnetic Nanoparticles for Rapid Detection of Bacteria in Human Blood. Advanced Materials, 2006, 18, 3145-3148.	21.0	165
144	QUANTUM DOT APPLICATIONS IN BIOTECHNOLOGY: PROGRESS AND CHALLENGES. Annual Review of Nano Research, 2006, , 467-530.	0.2	4
145	Efficient transformation of water-soluble quantum dot to highly luminescent nanocomposite. , 2006, , .		0
146	Molecular differentiation of leishmania protozoarium using CdS quantum dots as biolabels. , 2006, 6097, 44.		3
147	Preparation of bioconjugates of CdTe nanocrystals for cancer marker detection. Nanotechnology, 2006, 17, 2972-2977.	2.6	46
148	Colloidal Microgels in Drug Delivery Applications. Current Pharmaceutical Design, 2006, 12, 4703-4712.	1.9	183
149	Importance of Nanosensors: Feynman's Vision and the Birth of Nanotechnology. Materials Research Society Symposia Proceedings, 2006, 952, 1.	0.1	2
150	DNA Hybridization Detection using Fluorescent Zinc Selenide Quantum Dots. Materials Research Society Symposia Proceedings, 2006, 951, 1.	0.1	0

#	Article	IF	CITATIONS
151	Cytotoxicity of the Functionalized Gold and Silver Nanorods. Materials Research Society Symposia Proceedings, 2006, 951, 25.	0.1	0
152	Designing a nano-interface in a microfluidic chip to probe living cells: Challenges and perspectives. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6419-6424.	7.1	64
153	Homogeneous point mutation detection by quantum dot-mediated two-color fluorescence coincidence analysis. Nucleic Acids Research, 2006, 34, e35-e35.	14.5	69
154	Quantum dots confined in nanoporous alumina membranes. Applied Physics Letters, 2006, 89, 133110.	3.3	44
155	A novel hybrid simulation for study of multiscale phenomena. Molecular Simulation, 2006, 32, 825-830.	2.0	0
156	A mechanism to signal receptor-substrate interactions with luminescent quantum dots. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11457-11460.	7.1	141
157	Trends in the development and application of functional biomembrane surfaces. Biotechnology Annual Review, 2006, 12, 85-136.	2.1	4
158	The Intersection of Biology and Materials Science. MRS Bulletin, 2006, 31, 19-27.	3.5	42
159	Lanthanide Phosphate Nanorods as Inorganic Fluorescent Labels in Cell Biology Research. Clinical Chemistry, 2007, 53, 2029-2031.	3.2	41
160	Tunable Photoluminescence of CdTe Nanocrystals over Wide Spectral Range via Microwave-assisted Surface Modification. Chinese Journal of Chemical Physics, 2007, 20, 495-499.	1.3	3
161	Bio-Applications of Nanoparticles. Advances in Experimental Medicine and Biology, 2007, , .	1.6	26
162	A simulation-based study of reconstruction in Time-resolved Fluorescence Diffuse Optical Tomography in Cylindrical geometry. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2639-42.	0.5	0
163	Fluorescence Single-Molecule Counting Assays for High-Sensitivity Detection of Cytokines and Chemokines. Clinical Chemistry, 2007, 53, 2010-2012.	3.2	9
164	Microfluidic assisted preparation of CdSe/ZnS nanocrystals encapsulated into poly(DL-lactide-co-glycolide) microcapsules. Nanotechnology, 2007, 18, 305305.	2.6	45
166	Quantum Dot Nanocrystals and Supramolecular Lanthanide Complexes -Energy Transfer Systems for Sensitive In Vitro Diagnostics and High Throughput Screening in Chemical Biology. Current Chemical Biology, 2007, 1, 167-186.	0.5	13
167	CHAINED LIGHTNING. Neurosurgery, 2007, 61, 1111-1130.	1.1	9
168	Micro/Nanoscale Structure Fabrication by Direct Nanoimprinting of Metallic and Semiconducting Nanoparticles., 2007,, 307.		0
169	Optical molecular imaging in drug discovery and clinical development. Expert Opinion on Drug Discovery, 2007, 2, 65-85.	5.0	16

#	Article	IF	CITATIONS
170	MRI Contrast Agents: Current Status and Future Perspectives. Anti-Cancer Agents in Medicinal Chemistry, 2007, 7, 291-305.	1.7	232
172	Novel nanocrystals as a platinum-delivery vehicle for chemotherapy. Nanomedicine, 2007, 2, 943-949.	3.3	2
173	Characterization of localized core-shell nanoparticles in a homogeneous phantom., 2007,,.		0
174	Optical transitions in polarized CdSe, CdSeâ^•ZnSe, and CdSeâ^•CdSâ^•ZnS quantum dots dispersed in various polar solvents. Applied Physics Letters, 2007, 91, .	3.3	36
175	Immunofluorescence detection with quantum dot bioconjugates for hepatoma in vivo. Journal of Biomedical Optics, 2007, 12, 014008.	2.6	74
176	Receptor-targeted quantum dots: fluorescent probes for brain tumor diagnosis. Journal of Biomedical Optics, 2007, 12, 044021.	2.6	40
177	Importance of Nanosensors: Feynman's Vision and the Birth of Nanotechnology. MRS Bulletin, 2007, 32, 718-725.	3.5	27
179	Development of a Novel, Rapid, and Sensitive Immunochromatographic Strip Assay Specific for West Nile Virus (WNV) IgM and Testing of Its Diagnostic Accuracy in Patients Suspected of WNV Infection. Clinical Chemistry, 2007, 53, 2031-2034.	3.2	20
180	Enhancing the Biological Stability and Functionalities of Quantum Dots via Compact Multifunctional Ligands. Materials Research Society Symposia Proceedings, 2007, 1019, .	0.1	1
182	Cytotoxicity of the photoluminescent silicon nanocrystals. Proceedings of SPIE, 2007, , .	0.8	1
183	Activatable quantum dots for mouse non-invasive fluorescence imaging. Proceedings of SPIE, 2007, , .	0.8	0
184	Luminescent up-converting nanocrystals for in vivo imaging. , 2007, , .		0
185	Single quantum dot fluorescence resonant energy transfer: probing the heterogeneity in macroscopic samples. , 2007, , .		0
186	Synthesis and properties of water-soluble CdSe/Zn 1-x Mn x S semiconductor quantum dots using an amphiphilic polymer. , 2007, , .		1
187	ETIOPATHOLOGICAL FACTORS RELATED TO HYDROCEPHALUS ASSOCIATED WITH VESTIBULAR SCHWANNOMA. Neurosurgery, 2007, 61, 1186-1193.	1,1	39
188	Sensitivity analysis of a photonic crystal structure for index-of-refraction sensing. , 2007, , .		26
189	Quantum dots as contrast agents for endoscopy: mathematical modeling and experimental validation of the optimal excitation wavelength., 2007,,.		5
190	Water-soluble (MUA-coated) quantum dots: physicochemical characterization and application. , 2007, ,		0

#	Article	IF	CITATIONS
191	Toxicological aspects and applications of nanoparticles in paediatric respiratory disease. Paediatric Respiratory Reviews, 2007, 8, 62-66.	1.8	20
192	Spatio-temporal localization of membrane lipid rafts in mouse oocytes and cleaving preimplantation embryos. Developmental Biology, 2007, 303, 727-739.	2.0	47
193	Quantum dot-based immunosensor for the detection of prostate-specific antigen using fluorescence microscopy. Talanta, 2007, 71, 1494-1499.	5.5	104
194	Substrate- and Time-Dependent Photoluminescence of Quantum Dots Inside the Ultrathin Polymer LbL Film. Langmuir, 2007, 23, 4509-4515.	3.5	62
195	Kinetics of Monodisperse Iron Oxide Nanocrystal Formation by "Heating-Up―Process. Journal of the American Chemical Society, 2007, 129, 12571-12584.	13.7	407
196	Bioanalytics and biolabeling with semiconductor nanoparticles (quantum dots). Journal of Materials Chemistry, 2007, 17, 1343-1346.	6.7	108
197	Multicolour hybrid nanoprobes of molecular beacon conjugated quantum dots: FRET and gel electrophoresis assisted target DNA detection. Nanotechnology, 2007, 18, 195105.	2.6	65
198	Computational study of fluorescence scattering by silver nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2259.	2.1	47
199	Magnetic and fluorescent nanoparticles for multimodality imaging. Nanomedicine, 2007, 2, 307-324.	3.3	160
200	Fate of micelles and quantum dots in cells. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 270-281.	4.3	148
201	Multiplex Targeting, Tracking, and Imaging of Apoptosis by Fluorescent Surface Enhanced Raman Spectroscopic Dots. Bioconjugate Chemistry, 2007, 18, 1155-1162.	3.6	85
202	<title>Laser induced luminescence of dense films of CdSe/ZnS nanoparticles</title> ., 2007, , .		1
203	Optimized linkage and quenching strategies for quantum dot molecular beacons. Molecular and Cellular Probes, 2007, 21, 116-124.	2.1	84
204	Enhancing the Stability and Biological Functionalities of Quantum Dots via Compact Multifunctional Ligands. Journal of the American Chemical Society, 2007, 129, 13987-13996.	13.7	486
205	NIR-Emitting Colloidal Quantum Dots Having 26% Luminescence Quantum Yield in Buffer Solution. Journal of the American Chemical Society, 2007, 129, 7218-7219.	13.7	91
206	Interfacial Bioelectrochemistry:  Fabrication, Properties and Applications of Functional Nanostructured Biointerfaces. Journal of Physical Chemistry C, 2007, 111, 2351-2367.	3.1	155
207	Intramolecular Delayed Fluorescence as a Tool for Imaging Science:Â Synthesis and Photophysical Properties of a First-Generation Emitter. Chemistry of Materials, 2007, 19, 1931-1938.	6.7	15
208	CdSe nanocrystal based chem-/bio- sensors. Chemical Society Reviews, 2007, 36, 579.	38.1	585

#	Article	IF	CITATIONS
209	Chiral highly luminescent CdS quantum dots. Chemical Communications, 2007, , 3900.	4.1	243
210	Real-Time Imaging of Astrocyte Response to Quantum Dots:  In Vivo Screening Model System for Biocompatibility of Nanoparticles. Nano Letters, 2007, 7, 2513-2520.	9.1	122
211	Hybrid Gadolinium Oxide Nanoparticles:Â Multimodal Contrast Agents for in Vivo Imaging. Journal of the American Chemical Society, 2007, 129, 5076-5084.	13.7	721
212	Nanoparticles and cells: good companions and doomed partnerships. Organic and Biomolecular Chemistry, 2007, 5, 2335.	2.8	102
213	Imaging Cellular and Molecular Biological Functions. Principles and Practice, 2007, , .	0.3	33
214	Core-shell silica nanoparticles as fluorescent labels for nanomedicine. Journal of Biomedical Optics, 2007, 12, 1.	2.6	109
215	Counting the Number of Proteins Coupled to Single Nanoparticles. Journal of the American Chemical Society, 2007, 129, 12592-12593.	13.7	87
216	Reversibly Photoswitchable Dual-Color Fluorescent Nanoparticles as New Tools for Live-Cell Imaging. Journal of the American Chemical Society, 2007, 129, 3524-3526.	13.7	338
217	Quantum dot-Insect Neuropeptide Conjugates for Fluorescence Imaging, Transfection, and Nucleus Targeting of Living Cells. Langmuir, 2007, 23, 10254-10261.	3.5	101
218	Polyhistidine Fusion Proteins Can Nucleate the Growth of CdSe Nanoparticles. Bioconjugate Chemistry, 2007, 18, 585-589.	3.6	14
219	Controlled Synthesis and Luminescence of Lanthanide Doped NaYF4Nanocrystals. Chemistry of Materials, 2007, 19, 727-734.	6.7	520
220	Generating nanoscale aggregates from colloidal nanoparticles by various aerosol spray techniques. Nanotoxicology, 2007, 1 , 130-138.	3.0	6
221	Quantifying RNAâ^Peptide Interaction by Single-quantum Dot-Based Nanosensor:  An Approach for Drug Screening. Analytical Chemistry, 2007, 79, 7775-7781.	6.5	50
222	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.	13.7	168
223	A Reactive Peptidic Linker for Self-Assembling Hybrid Quantum Dotâ^'DNA Bioconjugates. Nano Letters, 2007, 7, 1741-1748.	9.1	189
224	Synthesis and Characterization of CdSe Nanorods Functionalized with Regioregular Poly(3-hexylthiophene). Chemistry of Materials, 2007, 19, 3712-3716.	6.7	110
225	One-step synthesis of highly water-soluble LaF ₃ :Ln ³⁺ nanocrystals in methanol without using any ligands. Nanotechnology, 2007, 18, 465606.	2.6	42
226	Quantum-Dot Based Lateral Flow Strip Assays for Biomedical Applications. , 2007, , .		1

#	Article	IF	CITATIONS
227	Biosynthesis and Applications of Silkâ€like and Collagenâ€like Proteins. Polymer Reviews, 2007, 47, 29-62.	10.9	38
228	Nucleotide-stabilized cadmium sulfide nanoparticles. Journal of Materials Chemistry, 2007, 17, 1687.	6.7	32
229	Dual-Function Probe for PET and Near-Infrared Fluorescence Imaging of Tumor Vasculature. Journal of Nuclear Medicine, 2007, 48, 1862-1870.	5.0	400
230	Biomolecule–nanoparticle hybrids as functional units for nanobiotechnology. Chemical Communications, 2007, , 323-332.	4.1	155
231	A Facile One-Step in situ Functionalization of Quantum Dots with Preserved Photoluminescence for Bioconjugation. Journal of the American Chemical Society, 2007, 129, 6380-6381.	13.7	105
232	Labeling of Polymer Nanostructures for Medical Imaging:Â Importance of Cross-Linking Extent, Spacer Length, and Charge Density. Macromolecules, 2007, 40, 2971-2973.	4.8	46
233	Hybrid Confocal Raman Fluorescence Microscopy on Single Cells Using Semiconductor Quantum Dots. Nano Letters, 2007, 7, 1631-1636.	9.1	27
234	Tandem Dye Acceptor Used To Enhance Upconversion Fluorescence Resonance Energy Transfer in Homogeneous Assays. Analytical Chemistry, 2007, 79, 6312-6318.	6.5	50
235	Water-Soluble CdSe Quantum Dots Passivated by a Multidentate Diblock Copolymer. Macromolecules, 2007, 40, 6377-6384.	4.8	95
236	Monitoring the Covalent Binding of Quantum Dots to Functionalized Gold Surfaces by Surface Plasmon Resonance Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 10313-10319.	3.1	11
237	Green and Orange CdTe Quantum Dots as Effective pH-Sensitive Fluorescent Probes for Dual Simultaneous and Independent Detection of Viruses. Journal of Physical Chemistry B, 2007, 111, 12024-12031.	2.6	162
238	Quantification of Amplified Quenching for Conjugated Polymer Microsphere Systems. Langmuir, 2007, 23, 112-115.	3.5	24
239	Core/Shell Quantum Dots with High Relaxivity and Photoluminescence for Multimodality Imaging. Journal of the American Chemical Society, 2007, 129, 3848-3856.	13.7	193
240	Exciton Energy Transfer in Self-Assembled Quantum Dots on Bioengineered Bacterial Flagella Nanotubes. Journal of Physical Chemistry C, 2007, 111, 5276-5280.	3.1	26
241	DNA-Passivated CdS Nanocrystals:  Luminescence, Bioimaging, and Toxicity Profiles. Langmuir, 2007, 23, 12783-12787.	3.5	96
242	Semiautomated Multiplexed Quantum Dot-Based in Situ Hybridization and Spectral Deconvolution. Journal of Molecular Diagnostics, 2007, 9, 20-29.	2.8	42
243	An Approach for Optimizing the Shell Thickness of Coreâ ⁻ Shell Quantum Dots Using Photoinduced Charge Transfer. Journal of Physical Chemistry C, 2007, 111, 10146-10149.	3.1	51
244	Multicolour PEI/NaGdF4:Ce3+,Ln3+nanocrystals by single-wavelength excitation. Nanotechnology, 2007, 18, 025701.	2.6	106

#	Article	IF	Citations
245	Statistical analysis of time-resolved emission from ensembles of semiconductor quantum dots: Interpretation of exponential decay models. Physical Review B, 2007, 75, .	3.2	170
246	Detection of Pathogens Using Luminescent CdSe/ZnS Dendron Nanocrystals and a Porous Membrane Immunofilter. Analytical Chemistry, 2007, 79, 8796-8802.	6.5	73
247	Kinetics of Metal-Affinity Driven Self-Assembly between Proteins or Peptides and CdSeâ^'ZnS Quantum Dots. Journal of Physical Chemistry C, 2007, 111, 11528-11538.	3.1	257
248	Gold nanoparticles: interesting optical properties and recent applications in cancer diagnostics and therapy. Nanomedicine, 2007, 2, 681-693.	3.3	1,231
249	Synthesis and Biological Assay of GSH Functionalized Fluorescent Quantum Dots for StainingHydra vulgaris. Bioconjugate Chemistry, 2007, 18, 829-835.	3.6	52
250	Water-Resistant Surface-Coating on Europium-Doped Strontium Aluminate Nanoparticles. Journal of the Electrochemical Society, 2007, 154, J77.	2.9	23
251	On the Quenching of Semiconductor Quantum Dot Photoluminescence by Proximal Gold Nanoparticles. Nano Letters, 2007, 7, 3157-3164.	9.1	480
252	Detection and Correction of Blinking Bias in Image Correlation Transport Measurements of Quantum Dot Tagged Macromolecules. Biophysical Journal, 2007, 93, 1338-1346.	0.5	32
253	BioNanotechnology. Synthesis Lectures on Biomedical Engineering, 2007, 2, 1-139.	0.1	24
254	Gold nanocages for cancer detection and treatment. Nanomedicine, 2007, 2, 657-668.	3.3	140
255	Photoluminescence of a Freely Suspended Monolayer of Quantum Dots Encapsulated into Layer-by-Layer Films. Langmuir, 2007, 23, 10176-10183.	3.5	44
256	Semiconductor Quantum Rods as Single Molecule Fluorescent Biological Labels. Nano Letters, 2007, 7, 179-182.	9.1	180
257	Nanocrystal-Encoded Fluorescent Microbeads for Proteomics:  Antibody Profiling and Diagnostics of Autoimmune Diseases. Nano Letters, 2007, 7, 2322-2327.	9.1	96
258	Anodic Electrochemiluminescence of CdTe Quantum Dots and Its Energy Transfer for Detection of Catechol Derivatives. Analytical Chemistry, 2007, 79, 8055-8060.	6.5	300
259	Luminescent chemosensors based on semiconductor quantum dots. Physical Chemistry Chemical Physics, 2007, 9, 2036.	2.8	112
260	The Emerging Use of Quantum Dots in Analysis. Analytical Letters, 2007, 40, 1497-1520.	1.8	63
261	Identification of Quantum Dot Bioconjugates and Cellular Protein Co-localization by Hybrid Gel Blotting. Nano Letters, 2007, 7, 1044-1049.	9.1	29
262	Direct Immunofluorescence of Plant Microtubules Based on Semiconductor Nanocrystals. Bioconjugate Chemistry, 2007, 18, 1879-1886.	3.6	22

#	Article	IF	CITATIONS
263	Encapsulating ZnS and ZnSe Nanocrystals in the Carbon Shell:  A RAPET Approach. Journal of Physical Chemistry C, 2007, 111, 13309-13314.	3.1	27
264	Dual-Mode Fluorophore-Doped Nickel Nitrilotriacetic Acid-Modified Silica Nanoparticles Combine Histidine-Tagged Protein Purification with Site-Specific Fluorophore Labeling. Journal of the American Chemical Society, 2007, 129, 13254-13264.	13.7	73
265	Size Control, Shape Evolution, and Silica Coating of Near-Infrared-Emitting PbSe Quantum Dots. Chemistry of Materials, 2007, 19, 3112-3117.	6.7	130
266	Optically switchable nanoparticles for biological imaging. Nanomedicine, 2007, 2, 523-531.	3.3	28
267	Self-assembly of semiconductor quantum-dots on electrodes for photoelectrochemical biosensing. Photochemical and Photobiological Sciences, 2007, 6, 416.	2.9	46
268	Layer-by-layer growth of superparamagnetic, fluorescent barcode nanospheres. Nanotechnology, 2007, 18, 405604.	2.6	20
269	Synthesis and Characterization of Polymer-Coated Quantum Dots with Integrated Acceptor Dyes as FRET-Based Nanoprobes. Nano Letters, 2007, 7, 2613-2617.	9.1	173
270	Fluorescent-Magnetic Hybrid Nanostructures: Preparation, Properties, and Applications in Biology. IEEE Transactions on Nanobioscience, 2007, 6, 298-308.	3.3	96
271	Quantum Dot Encoding of Aptamer-Linked Nanostructures for One-Pot Simultaneous Detection of Multiple Analytes. Analytical Chemistry, 2007, 79, 4120-4125.	6.5	253
272	Quantum Dot Nanocrystals and Supramolecular Lanthanide Complexes -Energy Transfer Systems for Sensitive In Vitro Diagnostics and High Throughput Screening in Chemical Biology. Current Chemical Biology, 2007, 1, 167-186.	0.5	26
275	Functional Immobilization of the Small GTPase Rab6A on DNA–Gold Nanoparticles by Using a Site-Specifically Attached Poly(ethylene glycol) Linker and Thiol Place-Exchange Reaction. ChemBioChem, 2007, 8, 32-36.	2.6	24
276	Lightâ€Induced Triggering of Peroxidase Activity Using Quantum Dots. ChemBioChem, 2007, 8, 2195-2198.	2.6	61
277	Synthesis of Monodisperse Spherical Nanocrystals. Angewandte Chemie - International Edition, 2007, 46, 4630-4660.	13.8	1,751
278	Synthesis of Silica-Coated Semiconductor and Magnetic Quantum Dots and Their Use in the Imaging of Live Cells. Angewandte Chemie - International Edition, 2007, 46, 2448-2452.	13.8	476
279	Evaporation-Induced Self-Assembly of Nanoparticles from a Sphere-on-Flat Geometry. Angewandte Chemie - International Edition, 2007, 46, 1860-1863.	13.8	212
280	Development of aT1â€Contrast Agent for Magnetic Resonance Imaging Using MnO Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 5397-5401.	13.8	545
281	Microfluidic Control of Fluorescence Resonance Energy Transfer: Breaking the FRET Limit. Angewandte Chemie - International Edition, 2007, 46, 3482-3485.	13.8	49
282	Quantum Dot/Bioluminescence Resonance Energy Transfer Based Highly Sensitive Detection of Proteases. Angewandte Chemie - International Edition, 2007, 46, 4346-4349.	13.8	267

#	Article	IF	CITATIONS
289	Affinity Peptidomics Approach to Protein Detection, Quantification, and Protein Affinity Assays: Application to Forensics and Biometrics., 0,, 191-231.		0
290	Luminescent Semiconductor Quantum Dots in Biology. , 0, , 141-157.		1
291	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. Advanced Functional Materials, 2007, 17, 201-211.	14.9	26
292	Studies of Surfaceâ€Modified Gold Nanowires Inside Living Cells. Advanced Functional Materials, 2007, 17, 3707-3714.	14.9	43
293	Synthesis and Cell-Imaging Applications of Glutathione-Capped CdTe Quantum Dots. Advanced Materials, 2007, 19, 376-380.	21.0	322
294	Sequential Growth of Magic-Size CdSe Nanocrystals. Advanced Materials, 2007, 19, 548-552.	21.0	289
295	Aqueous Synthesis of Glutathione-Capped ZnSe and Zn1–xCdxSe Alloyed Quantum Dots. Advanced Materials, 2007, 19, 1475-1479.	21.0	241
296	Two-Photon Excitation of Quantum-Dot-Based Fluorescence Resonance Energy Transfer and Its Applications. Advanced Materials, 2007, 19, 1921-1926.	21.0	117
297	Graded-Bandgap Quantum- Dot-Modified Nanotubes: A Sensitive Biosensor for Enhanced Detection of DNA Hybridization. Advanced Materials, 2007, 19, 1933-1936.	21.0	109
298	Increasing the Complexity of Magnetic Core/Shell Structured Nanocomposites for Biological Applications. Advanced Materials, 2007, 19, 4131-4144.	21.0	259
299	Tunable Superhydrophobic and Optical Properties of Colloidal Films Coated with Blockâ€Copolymerâ€Micelles/Micelleâ€Multilayers. Advanced Materials, 2007, 19, 4364-4369.	21.0	98
300	Toward the Accurate Readâ€out of Quantum Dot Barcodes: Design of Deconvolution Algorithms and Assessment of Fluorescence Signals in Buffer. Advanced Materials, 2007, 19, 3113-3118.	21.0	67
301	Gold Nanocages for Biomedical Applications. Advanced Materials, 2007, 19, 3177-3184.	21.0	464
302	Nanomedicine for drug delivery and imaging: A promising avenue for cancer therapy and diagnosis using targeted functional nanoparticles. International Journal of Cancer, 2007, 120, 2527-2537.	5.1	553
303	Bioconjugate recognition molecules to quantum dots as tumor probes. Journal of Biomedical Materials Research - Part A, 2007, 83A, 1209-1216.	4.0	23
304	In vivo quantum dot labeling of mammalian stem and progenitor cells. Developmental Dynamics, 2007, 236, 3393-3401.	1.8	97
305	Polymeric Acid Doped Polyaniline Nanotubes for Oligonucleotide Sensors. Electroanalysis, 2007, 19, 870-875.	2.9	72
306	Characterization of quantum dots using capillary zone electrophoresis. Electrophoresis, 2007, 28, 2874-2881.	2.4	45

#	Article	IF	CITATIONS
307	Synthesis, Characterisation, and Biological Studies of CdTe Quantum Dot–Naproxen Conjugates. ChemMedChem, 2007, 2, 183-186.	3.2	31
308	Molecular imaging of macrophages in atherosclerotic plaques using bimodal PEGâ€micelles. Magnetic Resonance in Medicine, 2007, 58, 1164-1170.	3.0	126
309	A perspective on bioconjugated nanoparticles and quantum dots. Colloids and Surfaces B: Biointerfaces, 2007, 59, 1-10.	5.0	86
310	Fluorescence imaging in vivo: recent advances. Current Opinion in Biotechnology, 2007, 18, 17-25.	6.6	693
311	Suppressed blinking in single quantum dots (QDs) immobilized near silver island films (SIFs). Chemical Physics Letters, 2007, 447, 96-100.	2.6	49
312	The development of quantum dot calibration beads and quantitative multicolor bioassays in flow cytometry and microscopy. Analytical Biochemistry, 2007, 364, 180-192.	2.4	44
313	Quantitative DNA hybridization in solution using magnetic/luminescent core–shell nanoparticles. Analytical Biochemistry, 2007, 370, 186-194.	2.4	57
314	Towards multi-colour strategies for the detection of oligonucleotide hybridization using quantum dots as energy donors in fluorescence resonance energy transfer (FRET). Analytica Chimica Acta, 2007, 581, 193-201.	5.4	144
315	The present and future of nanotechnology in human health care. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 20-31.	3.3	714
316	Nanoparticle-induced transition from positive to negative photochromism. Inorganica Chimica Acta, 2007, 360, 938-944.	2.4	43
317	Synthesis routes for the growth of complex nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 128-133.	2.7	14
318	Scalable silicon nanowire photodetectors. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 38, 64-66.	2.7	48
319	Formation of oxazine dye by photochemical reaction of N-acyl oxazine derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 190, 69-76.	3.9	17
320	Fluorescence enhancement in colloidal semiconductor nanocrystals by metallic nanopatterns. Sensors and Actuators B: Chemical, 2007, 126, 187-192.	7.8	34
321	Fluorescent organosilica micro- and nanoparticles with controllable size. Journal of Colloid and Interface Science, 2007, 310, 144-150.	9.4	48
322	Dye-doped nanoparticles for bioanalysis. Nano Today, 2007, 2, 44-50.	11.9	336
323	Quantum dot imaging for embryonic stem cells. BMC Biotechnology, 2007, 7, 67.	3.3	163
324	Luminescent Coordination Compound Nanospheres for Water Determination. Small, 2007, 3, 1218-1221.	10.0	23

#	Article	IF	CITATIONS
325	Electric-Field-Directed Assembly of Biomolecular-Derivatized Nanoparticles into Higher-Order Structures. Small, 2007, 3, 1237-1244.	10.0	23
326	Nanoplatforms for Targeted Molecular Imaging in Living Subjects. Small, 2007, 3, 1840-1854.	10.0	558
327	Monodisperse magnetic nanoparticles for biomedical applications. Polymer International, 2007, 56, 821-826.	3.1	161
328	High-throughput screening assays for the identification of chemical probes. Nature Chemical Biology, 2007, 3, 466-479.	8.0	555
329	Integrated optofluidics: A new river of light. Nature Photonics, 2007, 1, 106-114.	31.4	907
330	Bioconjugated quantum dots for multiplexed and quantitative immunohistochemistry. Nature Protocols, 2007, 2, 1152-1165.	12.0	472
331	Synthesis, encapsulation, purification and coupling of single quantum dots in phospholipid micelles for their use in cellular and in vivo imaging. Nature Protocols, 2007, 2, 2383-2390.	12.0	155
332	Nanobiotechnology: Protein-Nanomaterial Interactions. Biotechnology Progress, 2007, 23, 316-319.	2.6	122
333	Nanoparticle-enzyme hybrid systems for nanobiotechnology. FEBS Journal, 2007, 274, 302-309.	4.7	177
334	Inorganic hollow nanoparticles and nanotubes in nanomedicinePart 2: Imaging, diagnostic, and therapeutic applications. Drug Discovery Today, 2007, 12, 657-663.	6.4	92
335	Folate-mediated tumor cell uptake of quantum dots entrapped in lipid nanoparticles. Journal of Controlled Release, 2007, 124, 28-34.	9.9	112
336	Quantum Dotâ ⁻³ Aptamer Conjugates for Synchronous Cancer Imaging, Therapy, and Sensing of Drug Delivery Based on Bi-Fluorescence Resonance Energy Transfer. Nano Letters, 2007, 7, 3065-3070.	9.1	950
337	Quantum Dots and Other Fluorescent Nanoparticles: Quo Vadis in the Cell?. Advances in Experimental Medicine and Biology, 2007, 620, 156-167.	1.6	22
338	Characterization and application of single fluorescent nanodiamonds as cellular biomarkers. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 727-732.	7.1	810
339	Colloidal magnetic nanocrystals: synthesis, properties and applications. Annual Reports on the Progress of Chemistry Section C, 2007, 103, 351.	4.4	46
340	Versatile PEG-derivatized phosphine oxide ligands for water-dispersible metal oxide nanocrystals. Chemical Communications, 2007, , 5167.	4.1	93
341	Shape Dependence of Band-Edge Exciton Fine Structure in CdSe Nanocrystals. Nano Letters, 2007, 7, 3274-3280.	9.1	47
342	Design of fluorescent materials for chemical sensing. Chemical Society Reviews, 2007, 36, 993.	38.1	909

#	Article	IF	CITATIONS
343	A nanogold-quenched fluorescence duplex probe for homogeneous DNA detection based on strand displacement. Analytical and Bioanalytical Chemistry, 2007, 389, 493-497.	3.7	17
344	In vivo fluorescence imaging of the reticuloendothelial system using quantum dots in combination with bioluminescent tumour monitoring. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 2048-2056.	6.4	20
345	Imaging biomarkers of inflammation in situ with fun ctionalized quantum dots in the dextran sodium sulfate (DSS) model of mouse colitis. Inflammation Research, 2007, 56, 502-510.	4.0	16
346	Enhancement of Intracellular Delivery of CdTe Quantum Dots (QDs) to Living Cells by Tat Conjugation. Journal of Fluorescence, 2007, 17, 149-154.	2.5	60
347	Vapochromism and Crystallization-Enhanced Emission of 1,1-Disubstituted 2,3,4,5-Tetraphenylsiloles. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 673-678.	3.7	41
348	An electroporation microchip system for the transfection of zebrafish embryos using quantum dots and GFP genes for evaluation. Biomedical Microdevices, 2007, 9, 761-768.	2.8	28
349	Analysis of Potential Radiosensitizing Materials for X-Ray-Induced Photodynamic Therapy. Nanobiotechnology, 2007, 3, 116-126.	1.2	51
350	Are quantum dots ready for inÂvivo imaging in human subjects?. Nanoscale Research Letters, 2007, 2, 265-281.	5.7	178
351	Quantum dots coordinated with conjugated organic ligands: new nanomaterials with novel photophysics. Nanoscale Research Letters, 2007, 2, 282-290.	5.7	65
352	Nanoparticles for Applications in Cellular Imaging. Nanoscale Research Letters, 2007, 2, 430-41.	5.7	158
353	Biological applications of quantum dots. Biomaterials, 2007, 28, 4717-4732.	11.4	952
354	Direct electrochemistry of glucose oxidase and electrochemical biosensing of glucose on quantum dots/carbon nanotubes electrodes. Biosensors and Bioelectronics, 2007, 22, 3203-3209.	10.1	312
355	Nanotoxicity: the growing need for in vivo study. Current Opinion in Biotechnology, 2007, 18, 565-571.	6.6	625
356	Cadmium telluride quantum dots as pH-sensitive probes for tiopronin determination. Analytica Chimica Acta, 2008, 610, 50-56.	5.4	88
357	Enzymatically induced formation of neodymium hexacyanoferrate nanoparticles on the glucose oxidase/chitosan modified glass carbon electrode for the detection of glucose. Biosensors and Bioelectronics, 2008, 24, 429-434.	10.1	38
358	Interaction between excitons determines the non-linear response of nanocrystals. Chemical Physics, 2008, 350, 56-68.	1.9	18
359	Imaging of integrin αvβ3 expression. Cancer and Metastasis Reviews, 2008, 27, 631-644.	5.9	208
360	Preparation of nanoparticles by continuous-flow microfluidics. Journal of Nanoparticle Research, 2008, 10, 925-934.	1.9	217

#	Article	IF	CITATIONS
361	Quantum dots as donors in fluorescence resonance energy transfer for the bioanalysis of nucleic acids, proteins, and other biological molecules. Analytical and Bioanalytical Chemistry, 2008, 391, 1609-1618.	3.7	176
362	Semiconductor quantum dots and metal nanoparticles: syntheses, optical properties, and biological applications. Analytical and Bioanalytical Chemistry, 2008, 391, 2469-2495.	3.7	469
363	Study on molecular interactions between proteins on live cell membranes using quantum dot-based fluorescence resonance energy transfer. Analytical and Bioanalytical Chemistry, 2008, 391, 2819-2824.	3.7	25
364	Rapid, single-step nucleic acid detection. Analytical and Bioanalytical Chemistry, 2008, 391, 2577-2581.	3.7	60
365	A new method for the detection of ATP using a quantum-dot-tagged aptamer. Analytical and Bioanalytical Chemistry, 2008, 392, 1185-1188.	3.7	113
366	Fluorescence resonance energy transfer in single enzyme molecules with a quantum dot as donor. European Biophysics Journal, 2008, 37, 1367-1371.	2.2	13
367	Multimodality imaging of the HER-kinase axis in cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 186-208.	6.4	109
368	In vivo imaging of the immune response in the eye. Seminars in Immunopathology, 2008, 30, 179-190.	6.1	9
369	Ultrafast laser based "green―synthesis of non-toxic nanoparticles in aqueous solutions. Applied Physics A: Materials Science and Processing, 2008, 93, 955-959.	2.3	106
370	Spin probes for electron paramagnetic resonance imaging. Science Bulletin, 2008, 53, 3777-3789.	9.0	25
371	Bioconjugated silica nanoparticles: Development and applications. Nano Research, 2008, 1, 99-115.	10.4	337
372	A nano- and micro- integrated protein chip based on quantum dot probes and a microfluidic network. Nano Research, 2008, 1, 490-496.	10.4	52
373	Silica coated quantum dots: a new tool for electrochemical and optical glucose detection. Mikrochimica Acta, 2008, 160, 375-383.	5.0	41
374	Nanobiosensors: optofluidic, electrical and mechanical approaches to biomolecular detection at the nanoscale. Microfluidics and Nanofluidics, 2008, 4, 33-52.	2.2	219
375	High-resolution imaging using a novel atomic force microscope and confocal laser scanning microscope hybrid instrument: essential sample preparation aspects. Histochemistry and Cell Biology, 2008, 130, 909-916.	1.7	34
376	Sensors for detecting biological agents. Materials Today, 2008, 11, 38-49.	14.2	87
377	Recent Advances in Nanosensors for Organophosphate Pesticide Detection. Advanced Powder Technology, 2008, 19, 419-441.	4.1	136
378	Capillary electrophoresis for the characterization of quantum dots after non-selective or selective bioconjugation with antibodies for immunoassay. Journal of Nanobiotechnology, 2008, 6, 10.	9.1	56

#	Article	IF	CITATIONS
379	Proteomics, nanotechnology and molecular diagnostics. Proteomics, 2008, 8, 715-730.	2.2	86
380	Functional Quantumâ€Dot/Dendrimer Nanotubes for Sensitive Detection of DNA Hybridization. Small, 2008, 4, 566-571.	10.0	80
381	Quantumâ€Dotâ€Based Electrochemical Immunoassay for Highâ€Throughput Screening of the Prostateâ€Specific Antigen. Small, 2008, 4, 82-86.	10.0	118
382	Waterâ€Soluble Off–On Spinâ€Labeled Quantumâ€Dots Conjugate. Small, 2008, 4, 759-764.	10.0	43
383	A Core–Shell Nanoparticle Approach to Photoreversible Fluorescence Modulation of a Hydrophobic Dye in Aqueous Media. Chemistry - A European Journal, 2008, 14, 4851-4860.	3.3	83
384	A New Route to the Considerable Enhancement of Glucose Oxidase (GOx) Activity: The Simple Assembly of a Complex from CdTe Quantum Dots and GOx, and Its Glucose Sensing. Chemistry - A European Journal, 2008, 14, 9633-9640.	3.3	108
385	Probing the Surface of Organic and Bioconjugated Nanocrystals by Using Mass Spectrometric Imaging. Chemistry - A European Journal, 2008, 14, 8461-8464.	3.3	18
386	Encapsulation of Single Small Gold Nanoparticles by Diblock Copolymers. ChemPhysChem, 2008, 9, 388-392.	2.1	98
387	The Growth of Co:ZnO/ZnO Core/Shell Colloidal Quantum Dots: Changes in Nanocrystal Size, Concentration and Dopant Coordination. ChemPhysChem, 2008, 9, 484-491.	2.1	38
388	Photothermal Detection of Individual Gold Nanoparticles: Perspectives for High‶hroughput Screening. ChemPhysChem, 2008, 9, 1761-1766.	2.1	20
389	Host–Guest Interaction of Chaperonin GroEL and Waterâ€Soluble CdTe Quantum Dots and its Sizeâ€Selective Inclusion. ChemPhysChem, 2008, 9, 2245-2251.	2.1	7
390	Light Harvesting and Energy Transfer in Multiporphyrinâ€Modified CdSe Nanoparticles. ChemSusChem, 2008, 1, 254-261.	6.8	39
391	Preparation and characterization of novel fluorescent nanocomposite particles: CdSe/ZnS coreâ€shell quantum dots loaded solid lipid nanoparticles. Journal of Biomedical Materials Research - Part A, 2008, 84A, 1018-1025.	4.0	28
392	Solubilization and bioconjugation of QDs and their application in cell imaging. Journal of Biomedical Materials Research - Part A, 2008, 86A, 833-841.	4.0	23
393	Lanthanide Complexes and Quantum Dots: A Bright Wedding for Resonance Energy Transfer. European Journal of Inorganic Chemistry, 2008, 2008, 3241-3251.	2.0	98
394	In vivo realâ€time bioimaging of hyaluronic acid derivatives using quantum dots. Biopolymers, 2008, 89, 1144-1153.	2.4	67
395	Chemical Design of Nanoparticle Probes for Highâ€Performance Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2008, 47, 5122-5135.	13.8	809
396	Quantum Dot Bioconjugation during Core–Shell Synthesis. Angewandte Chemie - International Edition, 2008, 47, 316-319.	13.8	80

#	Article	IF	Citations
397	Multicolor Tuning of (Ln, P)â€Doped YVO ₄ Nanoparticles by Singleâ€Wavelength Excitation. Angewandte Chemie - International Edition, 2008, 47, 906-909.	13.8	245
398	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. Angewandte Chemie - International Edition, 2008, 47, 2227-2230.	13.8	155
399	Optical Detection of Glucose and Acetylcholine Esterase Inhibitors by H ₂ O ₂ ‧ensitive CdSe/ZnS Quantum Dots. Angewandte Chemie - International Edition, 2008, 47, 1676-1679.	13.8	223
400	A Nearâ€Infraredâ€Fluorescenceâ€Quenched Goldâ€Nanoparticle Imaging Probe for Inâ€Vivo Drug Screening ar Protease Activity Determination. Angewandte Chemie - International Edition, 2008, 47, 2804-2807.	nd 13.8	310
401	Semiconductor Quantum Dots for Bioanalysis. Angewandte Chemie - International Edition, 2008, 47, 7602-7625.	13.8	854
402	Waterâ€Soluble Nanocrystals Through Dualâ€Interaction Ligands. Angewandte Chemie - International Edition, 2008, 47, 3730-3734.	13.8	104
403	Micellar Hybrid Nanoparticles for Simultaneous Magnetofluorescent Imaging and Drug Delivery. Angewandte Chemie - International Edition, 2008, 47, 7284-7288.	13.8	299
404	Synthesis of Metal–Selenide Nanocrystals Using Selenium Dioxide as the Selenium Precursor. Angewandte Chemie - International Edition, 2008, 47, 8638-8641.	13.8	195
405	Oneâ€Step Solventâ€Free Synthesis and Characterization of Zn _{1â^'x} Mn _x Se@C Nanorods and Nanowires. Advanced Functional Materials, 2008, 18, 1641-1653.	14.9	31
406	Biocompatible, Luminescent Silver@Phenol Formaldehyde Resin Core/Shell Nanospheres: Largeâ€Scale Synthesis and Application for In Vivo Bioimaging. Advanced Functional Materials, 2008, 18, 872-879.	14.9	156
407	Controlling the Optical Properties of Inorganic Nanoparticles. Advanced Functional Materials, 2008, 18, 1157-1172.	14.9	221
408	Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications. Advanced Functional Materials, 2008, 18, 3745-3758.	14.9	382
409	Quantum Dots Decorated with Magnetic Bionanoparticles. Advanced Functional Materials, 2008, 18, 3931-3935.	14.9	34
410	Synthesis of Functionalized Au Nanoparticles for Protein Detection. Advanced Materials, 2008, 20, 430-434.	21.0	65
411	Designed Fabrication of a Multifunctional Polymer Nanomedical Platform for Simultaneous Cancer― Targeted Imaging and Magnetically Guided Drug Delivery. Advanced Materials, 2008, 20, 478-483.	21.0	476
412	Functionalization of Gold Nanospheres and Nanorods by Chitosan Oligosaccharide Derivatives. Advanced Materials, 2008, 20, 2068-2073.	21.0	65
413	Demonstration of Bulk Semiconductor Optical Properties in Processable Ag ₂ S and EuS Nanocrystalline Systems. Advanced Materials, 2008, 20, 2439-2443.	21.0	122
414	Enhanced Optical Properties of a Photosynthetic System Conjugated with Semiconductor Nanoparticles: The Role of Förster Transfer. Advanced Materials, 2008, 20, 4330-4335.	21.0	31

#	Article	IF	Citations
415	From Glutathione Capping to a Crosslinked, Phytochelatin‣ike Coating of Quantum Dots. Advanced Materials, 2008, 20, 3410-3415.	21.0	52
416	Cell Nucleus Penetration by Quantum Dots Induced by Nuclear Staining Organic Fluorophore and UVâ€Irradiation. Advanced Materials, 2008, 20, 3468-3473.	21.0	18
417	Bioinspired Surface Immobilization of Hyaluronic Acid on Monodisperse Magnetite Nanocrystals for Targeted Cancer Imaging. Advanced Materials, 2008, 20, 4154-4157.	21.0	274
428	Silica nanoparticles encapsulating near-infrared emissive cyanine dyes. Journal of Colloid and Interface Science, 2008, 320, 132-139.	9.4	59
429	Utilization of GaN:Eu3+ nanocrystals for the detection of programmed cell death. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2096-2099.	2.7	19
430	The photophysical studies of a mixture of CdTe quantum dots and negatively charged zinc phthalocyanines. Polyhedron, 2008, 27, 1953-1958.	2.2	30
431	Hydrothermal synthesis of nanocrystalline ZnSe: An in situ synchrotron radiation X-ray powder diffraction study. Journal of Solid State Chemistry, 2008, 181, 1925-1929.	2.9	16
432	Functionalized CdS quantum dots-based luminescence probe for detection of heavy and transition metal ions in aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1044-1052.	3.9	150
433	Development of an optical biosensor using gold nanoparticles and quantum dots for the detection of Porcine Reproductive and Respiratory Syndrome Virus. Sensors and Actuators B: Chemical, 2008, 134, 427-431.	7.8	48
434	Microinjection into cultured hippocampal neurons: A straightforward approach for controlled cellular delivery of nucleic acids, peptides and antibodies. Journal of Neuroscience Methods, 2008, 175, 88-95.	2.5	26
435	New highly fluorescent biolabels based on II–VI semiconductor hybrid organic–inorganic nanostructures for bioimaging. Applied Surface Science, 2008, 255, 790-792.	6.1	9
436	Conformation, thermodynamics and stoichiometry of HSA adsorbed to colloidal CdSe/ZnS quantum dots. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1020-1027.	2.3	174
437	The use of peptide-delivery to protect human adipose-derived adult stem cells from damage caused by the internalization of quantum dots. Biomaterials, 2008, 29, 925-936.	11.4	35
438	Colloidal quantum dots. Comptes Rendus Physique, 2008, 9, 777-787.	0.9	46
439	Neodymium (III) hexacyanoferrate (II) nanoparticles induced by enzymatic reaction and their use in biosensing of glucose. Electrochimica Acta, 2008, 53, 4687-4692.	5.2	24
440	Fluorescence correlation spectroscopy for diffusion of mobile quantum dots in dilute solutions. Chemical Physics Letters, 2008, 454, 257-261.	2.6	2
441	Double-layer silica core-shell nanospheres with superparamagnetic and fluorescent functionalities. Chemical Physics Letters, 2008, 461, 114-117.	2.6	38
442	Ultrafast energy transfer from 3-mercaptopropionic acid-capped CdSe/ZnS QDs to dye-labelled DNA. Chemical Physics Letters, 2008, 463, 160-165.	2.6	44

#	Article	IF	CITATIONS
443	Electrochemiluminescence of CdSe quantum dots for immunosensing of human prealbumin. Biosensors and Bioelectronics, 2008, 23, 1896-1899.	10.1	147
444	Photoelectrochemical signal chain based on quantum dots on goldâ€"Sensitive to superoxide radicals in solution. Biosensors and Bioelectronics, 2008, 24, 260-265.	10.1	55
445	Quenching of an indocarbocyanine dye and functionalized CdSe/ZnS quantum dots by gold surfaces. Current Applied Physics, 2008, 8, 308-311.	2.4	1
446	Nanostructured conductive material containing ferrocenyl for reagentless amperometric immunosensors. Biomaterials, 2008, 29, 1501-1508.	11.4	66
447	Spontaneous charge transfer between zinc tetramethyl-tetra-2,3-pyridinoporphyrazine and CdTe and ZnS quantum dots. Inorganica Chimica Acta, 2008, 361, 2950-2956.	2.4	17
448	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.	3.1	157
449	Compact Biocompatible Quantum Dots Functionalized for Cellular Imaging. Journal of the American Chemical Society, 2008, 130, 1274-1284.	13.7	583
450	Biocompatible Luminescent Silicon Quantum Dots for Imaging of Cancer Cells. ACS Nano, 2008, 2, 873-878.	14.6	630
451	Photostability of quantum dots with amphiphilic polymer-based passivation strategies. Nanotechnology, 2008, 19, 035701.	2.6	35
452	Luminescent rare earth nanomaterials for bioprobe applications. Dalton Transactions, 2008, , 5687.	3.3	367
453	Rapid and Highly Efficient Preparation of Water-Soluble Luminescent Quantum Dots via Encapsulation by Thermo- and Redox-Responsive Hydrogels. Chemistry of Materials, 2008, 20, 7215-7219.	6.7	38
454	CHARACTERIZATION METHODS FOR NANOSTRUCTURE OF MATERIALS. , 2008, , 267-315.		4
455	Multifunctional nanoparticles – properties and prospects for their use in human medicine. Trends in Biotechnology, 2008, 26, 425-433.	9.3	722
456	Quantum Dot FRET Biosensors that Respond to pH, to Proteolytic or Nucleolytic Cleavage, to DNA Synthesis, or to a Multiplexing Combination. Journal of the American Chemical Society, 2008, 130, 5720-5725.	13.7	202
457	Structure and function of nanoparticle–protein conjugates. Biomedical Materials (Bristol), 2008, 3, 034001.	3.3	231
458	Highly Luminescent Lead Sulfide Nanocrystals in Organic Solvents and Water through Ligand Exchange with Poly(acrylic acid). Langmuir, 2008, 24, 8215-8219.	3.5	94
459	Loading quantum dots into thermo-responsive microgels by reversible transfer from organic solvents to water. Journal of Materials Chemistry, 2008, 18, 763.	6.7	52
460	Minimizing the Hydrodynamic Size of Quantum Dots with Multifunctional Multidentate Polymer Ligands. Journal of the American Chemical Society, 2008, 130, 11278-11279.	13.7	193

#	Article	IF	CITATIONS
461	Versatile Synthesis Strategy for Carboxylic Acidâ^'functionalized Upconverting Nanophosphors as Biological Labels. Journal of the American Chemical Society, 2008, 130, 3023-3029.	13.7	789
462	Facile biosynthesis, separation and conjugation of gold nanoparticles to doxorubicin. Nanotechnology, 2008, 19, 495101.	2.6	162
463	Multifunctional Polymeric Nanosystems for Tumor-Targeted Delivery. Fundamental Biomedical Technologies, 2008, , 33-66.	0.2	3
464	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects. Environmental Toxicology and Chemistry, 2008, 27, 1825-1851.	4.3	2,370
465	Self-Assembled Donor Comprising Quantum Dots and Fluorescent Proteins for Long-Range Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2008, 130, 4815-4827.	13.7	126
466	Quantum dots for biomedical applications. Expert Opinion on Medical Diagnostics, 2008, 2, 315-322.	1.6	5
467	Resolving the Structure of Ligands Bound to the Surface of Superparamagnetic Iron Oxide Nanoparticles by High-Resolution Magic-Angle Spinning NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 12712-12724.	13.7	63
468	Synthesis and Characterization of Zinc-Blende CdSe-Based Core/Shell Nanocrystals and Their Luminescence in Water. Journal of Physical Chemistry C, 2008, 112, 1744-1747.	3.1	89
469	A simple strategy for quantum dot assisted selective detection of cadmium ions. Chemical Communications, 2008, , 3037.	4.1	96
470	Targeted Tumor Cell Internalization and Imaging of Multifunctional Quantum Dot-Conjugated Immunoliposomes in Vitro and in Vivo. Nano Letters, 2008, 8, 2851-2857.	9.1	256
471	<i>Stability and Fluorescence Quantum Yield of CdSe–ZnS Quantum Dots—Influence of the Thickness of the ZnS Shell</i> Annals of the New York Academy of Sciences, 2008, 1130, 235-241.	3.8	76
472	Nanoparticles synthesis using supercritical fluid technology – towards biomedical applications. Advanced Drug Delivery Reviews, 2008, 60, 299-327.	13.7	418
473	Cell tracking with optical imaging. European Radiology, 2008, 18, 2021-2032.	4.5	172
474	Quantum dots versus organic dyes as fluorescent labels. Nature Methods, 2008, 5, 763-775.	19.0	3,331
475	Mass production and dynamic imaging of fluorescent nanodiamonds. Nature Nanotechnology, 2008, 3, 284-288.	31.5	720
476	Preparation of peptide-conjugated quantum dots for tumor vasculature-targeted imaging. Nature Protocols, 2008, 3, 89-96.	12.0	228
477	Selective detection of luminescence from semiconductor quantum dots by nanosecond timeâ€gated imaging with a colourâ€masked CCD detector. Journal of Microscopy, 2008, 230, 172-176.	1.8	8
478	Intracellular imaging of targeted proteins labeled with quantum dots. Experimental Cell Research, 2008, 314, 3563-3569.	2.6	55

#	Article	IF	CITATIONS
479	Application of Nanotechnology in Cancer Therapy and Imaging. Ca-A Cancer Journal for Clinicians, 2008, 58, 97-110.	329.8	551
480	Low temperature synthesis of InP nanocrystals. Materials Chemistry and Physics, 2008, 112, 1120-1123.	4.0	24
481	Photoluminescence-enhanced biocompatible quantum dots by phospholipid functionalization. Materials Research Bulletin, 2008, 43, 2626-2635.	5.2	18
482	Emission-tunable microwave synthesis of highly luminescent water soluble CdSe/ZnS quantum dots. Chemical Communications, 2008, , 2106.	4.1	39
483	Simple and Generalized Synthesis of Oxideâ^'Metal Heterostructured Nanoparticles and their Applications in Multimodal Biomedical Probes. Journal of the American Chemical Society, 2008, 130, 15573-15580.	13.7	162
484	Ultrabright PbSe Magic-sized Clusters. Nano Letters, 2008, 8, 2896-2899.	9.1	154
485	Semiconductor Nanocrystal Quantum Dots., 2008,,.		239
486	Bioadhesive nanoareas in antifouling matrix for highly efficient affinity sensors. Proceedings of SPIE, 2008, , .	0.8	0
487	Polychromophoric Metal Complexes for Generating the Bioregulatory Agent Nitric Oxide by Single-and Two-Photon Excitation. Accounts of Chemical Research, 2008, 41, 190-200.	15.6	209
488	Semiconductor Quantum Dots for Biological Applications. , 2008, , 773-798.		11
489	Charge Transport in Nanoparticle Assemblies. Chemical Reviews, 2008, 108, 4072-4124.	47.7	460
490	Photoelectrochemical and Optical Applications of Semiconductor Quantum Dots for Bioanalysis. , 2008, 109, 255-283.		13
491	Preparation and Characterization of Highly Fluorescent, Glutathione-coated Near Infrared Quantum Dots for in Vivo Fluorescence Imaging. International Journal of Molecular Sciences, 2008, 9, 2044-2061.	4.1	89
492	Conjugation of the Photoluminescent Silicon Nanoparticles to Streptavidin. Bioconjugate Chemistry, 2008, 19, 680-685.	3.6	49
493	Specific cellular delivery and intracellular fate of quantum dot- peptide and quantum dot-polymer nanoassemblies. , 2008, , .		0
494	Quantum dots for cancer diagnosis and therapy: biological and clinical perspectives. Nanomedicine, 2008, 3, 83-91.	3.3	212
495	Fabrication of a Silica Coating on Magnetic \hat{I}^3 -Fe2O3 Nanoparticles by an Immobilized Enzyme. Chemistry of Materials, 2008, 20, 3567-3573.	6.7	71
496	Doped Carbon Nanoparticles as a New Platform for Highly Photoluminescent Dots. Journal of Physical Chemistry C, 2008, 112, 18295-18298.	3.1	288

#	Article	IF	CITATIONS
497	Nanocrystal Core High-Density Lipoproteins: A Multimodality Contrast Agent Platform. Nano Letters, 2008, 8, 3715-3723.	9.1	308
498	Biodegradable Quantum Dot Nanocomposites Enable Live Cell Labeling and Imaging of Cytoplasmic Targets. Nano Letters, 2008, 8, 3887-3892.	9.1	116
499	Facile Synthesis and Characterization of Iron Oxide Semiconductor Nanowires for Gas Sensing Application. Journal of Physical Chemistry C, 2008, 112, 15220-15225.	3.1	143
500	Quantum Dotâ^'Amphipol Nanocomplex for Intracellular Delivery and Real-Time Imaging of siRNA. ACS Nano, 2008, 2, 1403-1410.	14.6	206
501	Computational and Ultrastructural Toxicology of a Nanoparticle, Quantum Dot 705, in Mice. Environmental Science & Environmenta	10.0	191
502	Biomolecules Functionalized Carbon Nanotubes and Their Applications. Carbon Materials, 2008, , 181-221.	1.2	8
503	Recent advances in DNA sensors. Analyst, The, 2008, 133, 984.	3.5	121
504	Interfacial energy consideration in the organization of a quantum dot–lipid mixed system. Journal of Physics Condensed Matter, 2008, 20, 494211.	1.8	39
505	Effect of Ligand Density on the Spectral, Physical, and Biological Characteristics of CdSe/ZnS Quantum Dots. Bioconjugate Chemistry, 2008, 19, 562-568.	3.6	52
506	Quantum Dot-Based Biosensor for Detection of Human Cardiac Troponin I Using a Liquid-Core Waveguide. IEEE Sensors Journal, 2008, 8, 295-300.	4.7	35
507	Trap-State Dynamics in Visible-Light-Emitting ZnO:MgO Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 4531-4537.	3.1	49
508	Resonance Energy Transfer-Amplifying Fluorescence Quenching at the Surface of Silica Nanoparticles toward Ultrasensitive Detection of TNT. Analytical Chemistry, 2008, 80, 8545-8553.	6.5	236
509	Advances in Single-Molecule Fluorescence Methods for Molecular Biology. Annual Review of Biochemistry, 2008, 77, 51-76.	11.1	673
510	Self-Assembly of Quantum Dots and Carbon Nanotubes for Ultrasensitive DNA and Antigen Detection. Analytical Chemistry, 2008, 80, 7996-8001.	6.5	110
511	Functionalization of Luminescent Aminated Particles for Facile Bioconjugation. ACS Nano, 2008, 2, 2273-2282.	14.6	36
512	Resonance Energy Transfer from \hat{l}^2 -Cyclodextrin-Capped ZnO:MgO Nanocrystals to Included Nile Red Guest Molecules in Aqueous Media. ACS Nano, 2008, 2, 1473-1479.	14.6	56
513	Modified Ligand-Exchange for Efficient Solubilization of CdSe/ZnS Quantum Dots in Water: A Procedure Guided by Computational Studies. Langmuir, 2008, 24, 5270-5276.	3.5	171
514	Quantum Dots for Cancer Imaging. , 2008, , 463-485.		1

#	Article	IF	Citations
515	Minimizing Nonspecific Cellular Binding of Quantum Dots with Hydroxyl-Derivatized Surface Coatings. Analytical Chemistry, 2008, 80, 3029-3034.	6.5	129
516	Medicinal Chemistry and Pharmacological Potential of Fullerenes and Carbon Nanotubes. Carbon Materials, 2008, , .	1.2	115
517	Modular poly(ethylene glycol) ligands for biocompatible semiconductor and gold nanocrystals with extended pH and ionic stability. Journal of Materials Chemistry, 2008, 18, 4949.	6.7	205
518	Gd3+-functionalized near-infrared quantum dots for in vivo dual modal (fluorescence/magnetic) Tj ETQq1 1 0.784	-314 rgBT	/Qverlock 1
519	Boron Polylactide Nanoparticles Exhibiting Fluorescence and Phosphorescence in Aqueous Medium. ACS Nano, 2008, 2, 1252-1258.	14.6	134
520	Reversible fluorescence modulation through energy transfer with ABC triblock copolymer micelles as scaffolds. Chemical Communications, 2008, , 5580.	4.1	77
521	Chiral Shells and Achiral Cores in CdS Quantum Dots. Nano Letters, 2008, 8, 2452-2457.	9.1	186
522	Utilizing the Lability of Lead Selenide to Produce Heterostructured Nanocrystals with Bright, Stable Infrared Emission. Journal of the American Chemical Society, 2008, 130, 4879-4885.	13.7	438
523	Bioconjugated Gold Nanodots and Nanoparticles for Protein Assays Based on Photoluminescence Quenching. Analytical Chemistry, 2008, 80, 1497-1504.	6.5	196
524	Surfactant-Free Synthesis and Functionalization of Highly Fluorescent Gold Quantum Dots. Journal of Physical Chemistry C, 2008, 112, 10778-10783.	3.1	113
525	Quantum Dot Nanobarcodes: Epitaxial Assembly of Nanoparticleâ^'Polymer Complexes in Homogeneous Solution. Journal of the American Chemical Society, 2008, 130, 5286-5292.	13.7	112
526	Single Peptide Assembly onto a 1.5 nm Au Surface via a Histidine Tag. Journal of the American Chemical Society, 2008, 130, 16156-16157.	13.7	38
527	Coreactant Enhanced Anodic Electrochemiluminescence of CdTe Quantum Dots at Low Potential for Sensitive Biosensing Amplified by Enzymatic Cycle. Analytical Chemistry, 2008, 80, 5377-5382.	6.5	159
528	Biotemplated nanostructures: directed assembly of electronic and optical materials using nanoscale complementarity. Journal of Materials Chemistry, 2008, 18, 954-964.	6.7	72
529	Multidentate Surface Ligand Exchange for the Immobilization of CdSe/ZnS Quantum Dots and Surface Quantum Dot-Oligonucleotide Conjugates. Langmuir, 2008, 24, 5514-5520.	3.5	51
530	Synthesis and applications of quantum dots and magnetic quantum dots. Proceedings of SPIE, 2008, , .	0.8	1
531	Electrophoretic deposition of ZnO nanoparticles, from micropatterns to substrate coverage. Nanotechnology, 2008, 19, 245301.	2.6	25
532	Fluorine-18-Labeled Phospholipid Quantum Dot Micelles for <i>in Vivo</i> Multimodal Imaging from Whole Body to Cellular Scales. Bioconjugate Chemistry, 2008, 19, 1921-1926.	3.6	113

#	Article	IF	CITATIONS
533	Directed Hybridization of DNA Derivatized Nanoparticles into Higher Order Structures. Nano Letters, 2008, 8, 4053-4060.	9.1	9
534	Photosensitized Breakage and Damage of DNA by CdSeâ^'ZnS Quantum Dots. Journal of Physical Chemistry B, 2008, 112, 10005-10011.	2.6	143
535	Electrical and Optical Transport of GaAs/Carbon Nanotube Heterojunctions. Nano Letters, 2008, 8, 1809-1812.	9.1	59
537	Nitrilotriacetic Acid-Derivatized Quantum Dots for Simple Purification and Site-Selective Fluorescent Labeling of Active Proteins in a Single Step. Bioconjugate Chemistry, 2008, 19, 1964-1967.	3.6	32
538	Amine-Capped ZnSâ^'Mn ²⁺ Nanocrystals for Fluorescence Detection of Trace TNT Explosive. Analytical Chemistry, 2008, 80, 3458-3465.	6.5	346
540	Comparison of detection and signal amplification methods for DNA microarrays. Molecular and Cellular Probes, 2008, 22, 294-300.	2.1	33
541	Electron and energy transfer mechanisms to switch the luminescence of semiconductor quantum dots. Journal of Materials Chemistry, 2008, 18, 5577.	6.7	42
542	Conjugating Luminescent CdTe Quantum Dots with Biomolecules. Journal of Physical Chemistry B, 2008, 112, 14482-14491.	2.6	57
543	Cell-penetrating peptides as delivery vehicles for biology and medicine. Organic and Biomolecular Chemistry, 2008, 6, 2242.	2.8	363
544	Simple and Accurate Quantification of Quantum Dots via Single-Particle Counting. Journal of the American Chemical Society, 2008, 130, 3750-3751.	13.7	33
545	Photoluminescence Quenching of Single CdSe Nanocrystals by Ligand Adsorption. Nano Letters, 2008, 8, 2585-2590.	9.1	106
546	Upconversion Multicolor Fine-Tuning: Visible to Near-Infrared Emission from Lanthanide-Doped NaYF ₄ Nanoparticles. Journal of the American Chemical Society, 2008, 130, 5642-5643.	13.7	1,367
547	Single-Step Synthesis of Quantum Dots with Chemical Composition Gradients. Chemistry of Materials, 2008, 20, 531-539.	6.7	462
548	<i>In Situ</i> Observation of Heterogeneous Growth of CdSe Quantum Dots: Effect of Indium Doping on the Growth Kinetics. ACS Nano, 2008, 2, 1411-1421.	14.6	69
549	Systematic Investigation of Preparing Biocompatible, Single, and Small ZnS-Capped CdSe Quantum Dots with Amphiphilic Polymers. ACS Nano, 2008, 2, 1341-1352.	14.6	127
550	Encoded Silica Colloidal Crystal Beads as Supports for Potential Multiplex Immunoassay. Analytical Chemistry, 2008, 80, 1598-1605.	6.5	208
551	Synergistically Integrated Nanoparticles as Multimodal Probes for Nanobiotechnology. Accounts of Chemical Research, 2008, 41, 1630-1640.	15.6	658
552	One-pot synthesis of silica-coated magnetic plasmonic tracer nanoparticles. Chemical Communications, 2008, , 6140.	4.1	29

#	Article	IF	CITATIONS
553	Polymer coating of quantum dots – A powerful tool toward diagnostics and sensorics. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 138-152.	4.3	169
554	Quantitative multiplexed quantum dot immunohistochemistry. Biochemical and Biophysical Research Communications, 2008, 374, 181-186.	2.1	57
555	HaloTag protein-mediated specific labeling of living cells with quantum dots. Biochemical and Biophysical Research Communications, 2008, 374, 419-423.	2.1	69
556	Water solubilization of hydrophobic nanocrystals by means of poly(maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	.0 Tf 50 62	22 Td (anh ₎
557	Sensitization and Protection of Lanthanide Ion Emission in In ₂ O ₃ :Eu Nanocrystal Quantum Dots. Journal of Physical Chemistry C, 2008, 112, 20246-20250.	3.1	46
558	Bioconjugated Quantum Rods as Targeted Probes for Efficient Transmigration Across an in Vitro Blooda Brain Barrier. Bioconjugate Chemistry, 2008, 19, 1179-1185.	3.6	103
559	State of the Art in Information Extraction and Quantitative Analysis for Multimodality Biomolecular Imaging. Proceedings of the IEEE, 2008, 96, 512-531.	21.3	10
560	Gadolinium Chelate Coated Gold Nanoparticles As Contrast Agents for Both X-ray Computed Tomography and Magnetic Resonance Imaging. Journal of the American Chemical Society, 2008, 130, 5908-5915.	13.7	488
561	Synthesis and Characterization of Type II ZnSe/CdS Core/Shell Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 9301-9307.	3.1	91
562	Intracellular Delivery of Quantum Dotâ^'Protein Cargos Mediated by Cell Penetrating Peptides. Bioconjugate Chemistry, 2008, 19, 1785-1795.	3.6	155
563	Exciton Trapping and Recombination in Type II CdSe/CdTe Nanorod Heterostructures. Journal of Physical Chemistry C, 2008, 112, 5423-5431.	3.1	83
564	Functional Characterization and Atomic Force Microscopy of a DNA Repair Protein Conjugated to a Quantum Dot. Nano Letters, 2008, 8, 1631-1637.	9.1	52
565	Nanotechnology for regenerative medicine: nanomaterials for stem cell imaging. Nanomedicine, 2008, 3, 567-578.	3.3	200
566	Synthesis of CulnS2 fluorescent nanocrystals and enhancement of fluorescence by controlling crystal defect. Journal of Chemical Physics, 2008, 129, 134709.	3.0	179
567	Multiplex Detection of Protease Activity with Quantum Dot Nanosensors Prepared by Intein-Mediated Specific Bioconjugation. Analytical Chemistry, 2008, 80, 8649-8655.	6.5	163
568	Exciton energy transfer between nanoparticles and nanowires. Physical Review B, 2008, 78, .	3.2	55
569	Synthesis of Carbohydrate-Conjugated Nanoparticles and Quantum Dots. Langmuir, 2008, 24, 6215-6219.	3.5	97
570	Bacterial Detection Using Evanescent Wave-Based Fluorescent Biosensors. , 2008, , 109-123.		4

#	Article	IF	CITATIONS
571	Single-Layered Hybrid DBPPV-CdSe–ZnS Quantum-Dot Light-Emitting Diodes. IEEE Photonics Technology Letters, 2008, 20, 282-284.	2.5	28
572	Artificial Cell Membrane-Covered Nanoparticles Embedding Quantum Dots as Stable and Highly Sensitive Fluorescence Bioimaging Probes. Biomacromolecules, 2008, 9, 3252-3257.	5.4	62
573	Interactions between Redox Complexes and Semiconductor Quantum Dots Coupled via a Peptide Bridge. Journal of the American Chemical Society, 2008, 130, 16745-16756.	13.7	115
574	Ni–nitrilotriacetic acid-modified quantum dots as a site-specific labeling agent of histidine-tagged proteins in live cells. Chemical Communications, 2008, , 1910.	4.1	52
575	Dithiolane ligands for semiconductor quantum dots. Journal of Materials Chemistry, 2008, 18, 3940.	6.7	12
576	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. Journal of Materials Chemistry, 2008, 18, 2022.	6.7	32
577	Investigation of cytochrome P450-modified cadmium sulfide quantum dots as photocatalysts. Journal of Materials Chemistry, 2008, 18, 3824.	6.7	21
578	Hybrid CdSe-ZnS Quantum Dot-InGaN-GaN Quantum Well Red Light-Emitting Diodes. IEEE Electron Device Letters, 2008, 29, 711-713.	3.9	18
579	Two-dimensional arrays of luminescent metal-selenide nanoparticle. Chemical Communications, 2008, , 1193.	4.1	21
580	Integration of semiconductor quantum dots into nano-bio-chip systems for enumeration of CD4+ T cell counts at the point-of-need. Lab on A Chip, 2008, 8, 2079.	6.0	62
581	Sonication treatment of CdTe/CdS semiconductor nanocrystals and their bio-application. Chemical Communications, 2008, , 5574.	4.1	13
582	Ultrafast Excited-State Dynamics of Nanoscale Near-Infrared Emissive Polymersomes. Journal of the American Chemical Society, 2008, 130, 9773-9784.	13.7	45
583	Elucidating the Role of Surface Hydrolysis in Preparing Organosilane Nanostructures via Particle Lithography. Nano Letters, 2008, 8, 1916-1922.	9.1	81
584	Interfacial Electron Transfer Dynamics in a Single CdTe Quantum Dot-Pyromellitimide Conjugate. Journal of Physical Chemistry C, 2008, 112, 19625-19634.	3.1	50
585	Real-Time Intravital Imaging of RGDâ°'Quantum Dot Binding to Luminal Endothelium in Mouse Tumor Neovasculature. Nano Letters, 2008, 8, 2599-2606.	9.1	207
586	High-Content Screening as a Universal Tool for Fingerprinting of Cytotoxicity of Nanoparticles. ACS Nano, 2008, 2, 928-938.	14.6	165
587	A Flexible Nanograting Integrated Onto Silicon Micromachines by Soft Lithographic Replica Molding and Assembly. Journal of Microelectromechanical Systems, 2008, 17, 393-401.	2.5	12
588	Self-Assemblies from RNA-Templated Colloidal CdS Nanostructures. Journal of Physical Chemistry C, 2008, 112, 3633-3640.	3.1	27

#	Article	IF	CITATIONS
589	Fluorescent Ilâ^'VI Semiconductor Quantum Dots in Living Cells:  Nonlinear Microspectroscopy in an Optical Tweezers System. Journal of Physical Chemistry B, 2008, 112, 2734-2737.	2.6	12
590	Quantum Dot Fluorescence Quenching Pathways with Cr(III) Complexes. Photosensitized NO Production from <i>trans</i> -Cr(cyclam)(ONO) ₂ ⁺ . Journal of the American Chemical Society, 2008, 130, 168-175.	13.7	92
591	Oligomeric PEG-Phospholipids for Solubilization and Stabilization of Fluorescent Nanocrystals in Water. Langmuir, 2008, 24, 3016-3019.	3.5	26
592	Gram-Scale One-Pot Synthesis of Highly Luminescent Blue Emitting Cd _{1â^'<i>x</i>} Zn _{<i>x</i>} S/ZnS Nanocrystals. Chemistry of Materials, 2008, 20, 5307-5313.	6.7	169
593	Phase Separation Inside the CdTeâ^'CdSe Type II Quantum Dots Revealed by Synchrotron X-ray Diffraction and Scattering. Journal of Physical Chemistry C, 2008, 112, 9617-9622.	3.1	12
594	Multimodality Molecular Imaging of Tumor Angiogenesis. Journal of Nuclear Medicine, 2008, 49, 113S-128S.	5.0	497
595	Quantum Dot Weathering Results in Microbial Toxicity. Environmental Science & Emp; Technology, 2008, 42, 9424-9430.	10.0	187
596	Novel Fluorescent Core–Shell Nanocontainers for Cell Membrane Transport. Biomacromolecules, 2008, 9, 1381-1389.	5.4	61
597	Relations between Dewetting of Polymer Thin Films and Phase-Separation of Encompassed Quantum Dots. Journal of Physical Chemistry C, 2008, 112, 8184-8191.	3.1	22
598	Highly luminescent water-soluble lanthanide nanoparticles through surface coating sensitization. New Journal of Chemistry, 2008, 32, 1055.	2.8	50
599	Combinatorial and High-Throughput Development of Sensing Materials:  The First 10 Years. Chemical Reviews, 2008, 108, 770-813.	47.7	232
600	Emerging application of quantum dots for drug delivery and therapy. Expert Opinion on Drug Delivery, 2008, 5, 263-267.	5.0	163
601	Semiconductor quantum dots: synthesis and water-solubilization for biomedical applications. Expert Opinion on Biological Therapy, 2008, 8, 1571-1581.	3.1	39
602	The Hybridization of CdSe/ZnS Quantum Dot on InGaN Light-Emitting Diodes for Color Conversion. IEEE Nanotechnology Magazine, 2008, 7, 503-507.	2.0	7
603	Encapsulated Quantum Dot Nanofilms Inside Hollow Core Optical Fibers for Temperature Measurement. IEEE Sensors Journal, 2008, 8, 1368-1374.	4.7	17
605	Facile one-pot preparation and functionalization of luminescent chitosan-poly(methacrylic acid) microspheres based on polymer–monomer pairs. Nanotechnology, 2008, 19, 315605.	2.6	13
606	See me, feel me: methods to concurrently visualize and manipulate single DNA molecules and associated proteins. Nucleic Acids Research, 2008, 36, 4381-4389.	14.5	88
607	Recent Advances in Nanosensors for Organophosphate Pesticide Detection. Advanced Powder Technology, 2008, 19, 419-441.	4.1	59

#	Article	IF	CITATIONS
608	A guide to accurate measurement of diffusion using fluorescence correlation techniques with blinking quantum dot nanoparticle labels. Journal of Chemical Physics, 2008, 128, 225105.	3.0	13
609	New ligand design to promote water compatibility of luminescent quantum dots and gold nanoparticles. , 2008, , .		1
610	Dynamics of quantum dots in angiogenic blood vessels: a fluorescence correlation spectroscopy study., 2008,,.		1
611	Applications of Nanotechnology. , 2008, , 554-561.		4
612	Quantitative Comparison of Intracellular Unpacking Kinetics of Polyplexes by a Model Constructed From Quantum Dot-FRET. Molecular Therapy, 2008, 16, 324-332.	8.2	145
613	Bioenabled Nanophotonics. MRS Bulletin, 2008, 33, 536-542.	3.5	11
614	Raman Nanoparticle Probes for Antibody-based Protein Detection in Tissues. Journal of Histochemistry and Cytochemistry, 2008, 56, 371-379.	2.5	66
615	Enhanced intratumoral uptake of quantum dots concealed within hydrogel nanoparticles. Nanotechnology, 2008, 19, 485102.	2.6	23
616	Construction of Two Color Semiconductor Quantum Dots Wire by utilizing the complementarity of DNA. AIP Conference Proceedings, 2008, , .	0.4	0
617	Synthesis and characterization of a new trifunctional magnetic–photoluminescent–oxygen-sensing nanomaterial. Nanotechnology, 2008, 19, 495709.	2.6	13
618	Chemical Biology: Past, Present and Future. Current Chemical Biology, 2008, 2, 278-311.	0.5	2
619	Nanoprobes for Medical Diagnosis: Current Status of Nanotechnology in Molecular Imaging. Current Nanoscience, 2008, 4, 17-29.	1.2	32
620	Experimental verification of FÃ \P rster energy transfer between semiconductor quantum dots. Physical Review B, 2008, 78, .	3.2	73
621	Dilution effects on the photoluminescence of ZnSe quantum-dot dispersions. Applied Physics Letters, 2008, 93, .	3.3	19
622	High-speed deformation of soft lithographic nanograting patterns for ultrasensitive optical spectroscopy. Applied Physics Letters, 2008, 92, 051116.	3.3	9
623	Fluorescence diffuse optical tomography: A simulation-based study comparing time-resolved and continuous wave reconstructions performances., 2008,,.		4
624	Lanthanide-doped fluoride nanoparticles: luminescence, upconversion, and biological applications. International Journal of Nanotechnology, 2008, 5, 1306.	0.2	108
625	Functionalized Silver Nanowires for Live Cell Study. Chemistry Letters, 2008, 37, 610-611.	1.3	5

#	ARTICLE	IF	Citations
626	Acute Toxicity and Prothrombotic Effects of Quantum Dots: Impact of Surface Charge. Environmental Health Perspectives, 2008, 116, 1607-1613.	6.0	248
627	Self-assembled quantum dot-bioconjugates: characterization and use for sensing proteolytic activity. Proceedings of SPIE, 2008, , .	0.8	0
628	Imaging of Integrins as Biomarkers for Tumor Angiogenesis. Current Pharmaceutical Design, 2008, 14, 2943-2973.	1.9	198
629	An accurate homogenized tissue phantom for broad spectrum autofluorescence studies: a tool for optimizing quantum dot-based contrast agents. , 2008, , .		5
630	Bioactivation of water-soluble peptidic quantum dot through biotin-streptavidin binding., 2008,,.		0
631	Optical Biopsy of Cancer: Nanotechnological Aspects. Tumori, 2008, 94, 200-205.	1.1	10
632	Unmodified CdSe Quantum Dots Induce Elevation of Cytoplasmic Calcium Levels and Impairment of Functional Properties of Sodium Channels in Rat Primary Cultured Hippocampal Neurons. Environmental Health Perspectives, 2008, 116, 915-922.	6.0	122
633	Monitoring of Enzymatic Proteolysis Using Self-Assembled Quantum Dot-Protein Substrate Sensors. Journal of Sensors, 2008, 2008, 1-10.	1.1	10
634	PLANAR WAVEGUIDES FOR FLUORESCENCE BIOSENSORS. , 2008, , 139-184.		3
635	FLUORESCENCE-BASED INTRACELLULAR SENSING. , 2008, , 623-657.		1
639	Quantum-dot-based technology for sensitive and stable detection of prostate stem cell antigen expression in human transitional cell carcinoma. International Journal of Biological Markers, 2009, 24, 271-276.	1.8	3
640	Overview of the main methods used to combine proteins with nanosystems: absorption, bioconjugation, and encapsulation. International Journal of Nanomedicine, 2009, , 37.	6.7	13
642	Fiber and Integrated Waveguide-Based Optical Sensors. Journal of Sensors, 2009, 2009, 1-3.	1.1	14
643	High-Sensitive Analysis of Oligopeptide-Induced Cell Penetration Using Phospholipid Polymer Nanoparticles Containing Quantum Dots. Transactions of the Materials Research Society of Japan, 2009, 34, 189-192.	0.2	1
644	Photonic Crystal Fiber Temperature Sensor Based on Quantum Dot Nanocoatings. Journal of Sensors, 2009, 2009, 1-6.	1.1	46
646	Application of RGD-containing peptides as imaging probes for alphavbeta3 expression. Frontiers in Bioscience - Landmark, 2009, Volume, 887.	3.0	69
647	Quantum Dots for Labeling Adipose Tissue-Derived Stem Cells. Cell Transplantation, 2009, 18, 591-600.	2.5	52
648	Real-Time Imaging and Quantification of Amyloid- \hat{l}^2 Peptide Aggregates by Novel Quantum-Dot Nanoprobes. PLoS ONE, 2009, 4, e8492.	2.5	60

#	Article	IF	CITATIONS
649	Optical properties of zinc selenide clusters from first-principles calculations. Physical Review B, 2009, 80, .	3.2	26
650	Orbital and Charge-Resolved Polaron States in CdSe Dots and Rods Probed by Scanning Tunneling Spectroscopy. Physical Review Letters, 2009, 102, 196401.	7.8	64
651	Quantum dots: a powerful tool for understanding the intricacies of nanoparticle-mediated drug delivery. Expert Opinion on Drug Delivery, 2009, 6, 1091-1112.	5.0	94
652	Temperature dependence of the energy transfer of exciton states in bilayer structures of CdSe/ZnS quantum dots. Physical Review B, 2009, 80, .	3.2	24
653	A highly effective and facile way to prepare cellular labelling quantum dots with cetyltrimethylammonium bromide. Journal of Experimental Nanoscience, 2009, 4, 105-112.	2.4	10
654	Two-photon excited fluorescence from CdSe quantum dots on SiN photonic crystals. Applied Physics Letters, 2009, 95, 221113.	3.3	12
655	Review: Biofunctionalized Quantum Dots in Biology and Medicine. Journal of Nanomaterials, 2009, 2009, 1-17.	2.7	116
656	Photon statistics in enhanced fluorescence from a single CdSe/ZnS quantum dot in the vicinity of silver nanoparticles. Applied Physics Letters, 2009, 95, .	3.3	41
658	Thiolated polyaspartamide is an effective biocompatible coating agent for quantum dots. Journal of Drug Delivery Science and Technology, 2009, 19, 139-144.	3.0	1
659	Time-resolved photoluminescence decay characteristics of bovine serum albumin-conjugated semiconductor nanocrystallites. Journal of Experimental Nanoscience, 2009, 4, 177-191.	2.4	11
660	A nano grating tunable mems optical filter for high-speed on-chip multispectral fluorescent detection., 2009, 2009, 6693-5.		4
661	OLIGONUCLEOTIDE DNA AND RNA AS DIRECT CAPPING LIGAND FOR NANOCRYSTALS: AN EMERGING METHOD FOR BIOLOGICAL DIAGNOSTICS AND THERAPEUTICS. Nano, 2009, 04, 189-199.	1.0	4
662	Non-blinking and photostable upconverted luminescence from single lanthanide-doped nanocrystals. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10917-10921.	7.1	626
663	Two-Photon Absorbing Nanocrystal Sensors for Ratiometric Detection of Oxygen. Journal of the American Chemical Society, 2009, 131, 12994-13001.	13.7	111
664	Elimination of Quantum Dots Cell Uptake. Materials Research Society Symposia Proceedings, 2009, 1236, 1.	0.1	0
665	Semiconductor Quantum Dots for Cell Imaging. Materials Research Society Symposia Proceedings, 2009, 1237, 1.	0.1	1
666	HDL as a contrast agent for medical imaging. Clinical Lipidology, 2009, 4, 493-500.	0.4	37
667	Nanotechnology in Medical Imaging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 992-1000.	2.4	251

#	Article	IF	CITATIONS
668	Positively charged and pH self-buffering quantum dots for efficient cellular uptake by charge mediation and monitoring cell membrane permeability. Nanotechnology, 2009, 20, 425102.	2.6	17
669	Functionalization of gold nanoparticles and CdS quantum dots with cell penetrating peptides. Proceedings of SPIE, 2009, , .	0.8	0
670	A comprehensive study of the use of temporal moments in time-resolved diffuse optical tomography: part II. Three-dimensional reconstructions. Physics in Medicine and Biology, 2009, 54, 7107-7119.	3.0	12
671	Near-infrared emitting fluorescent nanocrystals-labeled natural killer cells as a platform technology for the optical imaging of immunotherapeutic cells-based cancer therapy. Nanotechnology, 2009, 20, 475102.	2.6	40
672	Biomarkers and imaging: physics and chemistry for noninvasive analyses. Bioanalysis, 2009, 1, 321-356.	1.5	8
673	Applications for site-directed molecular imaging agents coupled with drug delivery potential. Expert Opinion on Drug Delivery, 2009, 6, 745-768.	5.0	27
674	Peptide linkers for the assembly of semiconductor quantum dot bioconjugates. Proceedings of SPIE, 2009, , .	0.8	0
675	Holographically encoded microparticles for bead-based assays. Journal Physics D: Applied Physics, 2009, 42, 055507.	2.8	4
676	Ingenious nanoprobes in bioassays. Bioanalysis, 2009, 1, 115-133.	1.5	11
677	Proposed triaxial atomic force microscope contact-free tweezers for nanoassembly. Nanotechnology, 2009, 20, 385302.	2.6	15
678	Fluorescence Lifetime Imaging of Quantum Dot Labeled DNA Microarrays. International Journal of Molecular Sciences, 2009, 10, 1930-1941.	4.1	42
679	Optical Biosensors Based on Semiconductor Nanostructures. Sensors, 2009, 9, 5149-5172.	3.8	61
680	Quantum Dot-based Sensors for Proteins. ECS Transactions, 2010, 25, 1-8.	0.5	10
681	Detection of Neurotransmitters Via Quantum Dots. Molecular Crystals and Liquid Crystals, 2009, 505, 158/[396]-165/[403].	0.9	4
682	Quantum-dot-modified microbubbles with bi-mode imaging capabilities. Nanotechnology, 2009, 20, 425105.	2.6	47
683	Quantum Dots for Sensing. , 2009, , 1-51.		3
684	Tumor Cell Targeting Using Folate-Conjugated Fluorescent Quantum Dots and Receptor-Mediated Endocytosis. Clinical Chemistry, 2009, 55, 955-963.	3.2	69
685	Cell Uptake of Nanoparticles. ECS Transactions, 2009, 25, 9-17.	0.5	0

#	Article	IF	CITATIONS
686	Nanoscience and Nanotechnology: The Key to New Studies in Areas of Science Outside of Nanoscience and Nanotechnology. MRS Bulletin, 2009, 34, 456-464.	3.5	14
687	Specific immobilization of influenza A virus on GaAs (001) surface. Journal of Biomedical Optics, 2009, 14, 054042.	2.6	17
688	Cadmium-containing nanoparticles: Perspectives on pharmacology and toxicology of quantum dotsâ ⁻ †. Toxicology and Applied Pharmacology, 2009, 238, 280-288.	2.8	301
689	Nanoparticles up-regulate tumor necrosis factor-α and CXCL8 via reactive oxygen species and mitogen-activated protein kinase activation. Toxicology and Applied Pharmacology, 2009, 238, 160-169.	2.8	66
690	In vivo toxicity studies of europium hydroxide nanorods in mice. Toxicology and Applied Pharmacology, 2009, 240, 88-98.	2.8	90
691	Preparation of fluorescence ethosomes based on quantum dots and their skin scar penetration properties. Materials Letters, 2009, 63, 1662-1664.	2.6	20
692	Tools for correlative cryo-fluorescence microscopy and cryo-electron tomography applied to whole mitochondria in human endothelial cells. European Journal of Cell Biology, 2009, 88, 669-684.	3.6	125
693	Quantum Dot Applications in Biomolecule Assays. , 0, , 333-354.		0
694	Quantum Dots for the Development of Optical Biosensors Based on Fluorescence., 0,, 199-245.		6
695	Nanoparticle-Based Delivery and Biosensing Systems: An Example. , 0, , 247-274.		0
696	Development of Fluorescent Probes for Small Molecules. , 0, , 91-113.		0
697	Ligandâ€Driven Wavelengthâ€Tunable and Ultraâ€Broadband Infrared Luminescence in Singleâ€Ionâ€Doped Transparent Hybrid Materials. Advanced Functional Materials, 2009, 19, 2081-2088.	14.9	131
698	Functionalized Siloles: Versatile Synthesis, Aggregationâ€Induced Emission, and Sensory and Device Applications. Advanced Functional Materials, 2009, 19, 905-917.	14.9	311
699	A Multifunctional Nanodevice Capable of Imaging, Magnetically Controlling, and In Situ Monitoring Drug Release. Advanced Functional Materials, 2009, 19, 3396-3403.	14.9	28
700	Clean and Flexible Modification Strategy for Carboxyl/Aldehydeâ€Functionalized Upconversion Nanoparticles and Their Optical Applications. Advanced Functional Materials, 2009, 19, 3892-3900.	14.9	154
701	Designer Biomaterials for Nanomedicine. Advanced Functional Materials, 2009, 19, 3843-3854.	14.9	219
702	Facile Synthesis of Fe ₂ O ₃ Nanocrystals without Fe(CO) ₅ Precursor and Oneâ€Pot Synthesis of Highly Fluorescent Fe ₂ O ₃ –CdSe Nanocomposites. Advanced Materials, 2009, 21, 869-873.	21.0	57
703	Highly Efficient Greenâ€Lightâ€Emitting Diodes Based on CdSe@ZnS Quantum Dots with a Chemicalâ€Composition Gradient. Advanced Materials, 2009, 21, 1690-1694.	21.0	265

#	Article	IF	CITATIONS
704	Nanopatterning Soluble Multifunctional Materials by Unconventional Wet Lithography. Advanced Materials, 2009, 21, 1043-1053.	21.0	131
705	Nanomaterials for Neural Interfaces. Advanced Materials, 2009, 21, 3970-4004.	21.0	460
706	Inorganic Nanoparticles for MRI Contrast Agents. Advanced Materials, 2009, 21, 2133-2148.	21.0	1,597
707	Temperature―and pHâ€Sensitive Multicolored Micellar Complexes. Advanced Materials, 2009, 21, 2402-2406.	21.0	50
708	Nonblinking and Nonbleaching Upconverting Nanoparticles as an Optical Imaging Nanoprobe and T1 Magnetic Resonance Imaging Contrast Agent. Advanced Materials, 2009, 21, 4467-4471.	21.0	548
712	Multimodalâ€Luminescence Core–Shell Nanocomposites for Targeted Imaging of Tumor Cells. Chemistry - A European Journal, 2009, 15, 3577-3584.	3.3	227
713	Luminescent Nanoparticles of Silicaâ€Encapsulated Cadmium–Tellurium (CdTe) Quantum Dots with a Core–Shell Structure: Preparation and Characterization. Helvetica Chimica Acta, 2009, 92, 2249-2256.	1.6	5
714	Positively Charged Compact Quantum Dot–DNA Complexes for Detection of Nucleic Acids. ChemPhysChem, 2009, 10, 806-811.	2.1	71
715	Analysis of Nonâ€Covalent Bioconjugation of Colloidal Nanoparticles by Means of Atomic Force Microscopy and Data Clustering. ChemPhysChem, 2009, 10, 1483-1491.	2.1	17
716	Quantitative measurement of multifunctional quantum dot binding to cellular targets using flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 465-474.	1.5	22
717	A Biomimetic Chemical Approach to Facile Preparation of Largeâ€Area, Patterned, ZnO Quantum Dot/Polymer Nanocomposites on Flexible Plastics. Macromolecular Chemistry and Physics, 2009, 210, 1519-1527.	2.2	14
718	Heteroâ€Telechelic Dyeâ€Labeled Polymer for Nanoparticle Decoration. Macromolecular Rapid Communications, 2009, 30, 1274-1278.	3.9	30
723	Ultrastable, Highly Fluorescent, and Waterâ€Dispersed Siliconâ€Based Nanospheres as Cellular Probes. Angewandte Chemie - International Edition, 2009, 48, 128-132.	13.8	167
724	Biosensing and Probing of Intracellular Metabolic Pathways by NADHâ€Sensitive Quantum Dots. Angewandte Chemie - International Edition, 2009, 48, 309-313.	13.8	125
725	Coating Nanocrystals with Amphiphilic Thermosensitive Copolymers. Angewandte Chemie - International Edition, 2009, 48, 7845-7849.	13.8	28
726	Hydrogenâ€Bondâ€Selective Phase Transfer of Nanoparticles across Liquid/Gel Interfaces. Angewandte Chemie - International Edition, 2009, 48, 4953-4956.	13.8	39
727	Ultrasensitive and Selective Colorimetric DNA Detection by Nicking Endonuclease Assisted Nanoparticle Amplification. Angewandte Chemie - International Edition, 2009, 48, 6849-6852.	13.8	367
728	Multiplexed Analysis of Hg ²⁺ and Ag ⁺ lons by Nucleic Acid Functionalized CdSe/ZnS Quantum Dots and Their Use for Logic Gate Operations. Angewandte Chemie - International Edition, 2009, 48, 7818-7821.	13.8	469

#	Article	IF	Citations
729	Largeâ€Scale Soft Colloidal Template Synthesis of 1.4â€nm Thick CdSe Nanosheets. Angewandte Chemie - International Edition, 2009, 48, 6861-6864.	13.8	298
730	New diode laser-excitable green fluorescent label and its application to detection of bovine serum albumin via microchip electrophoresis. Mikrochimica Acta, 2009, 166, 183-188.	5.0	10
731	Encapsulation of Single Quantum Dots with Mesoporous Silica. Annals of Biomedical Engineering, 2009, 37, 1960-1966.	2.5	75
732	Investigating Biological Processes at the Single Molecule Level Using Luminescent Quantum Dots. Annals of Biomedical Engineering, 2009, 37, 1934-1959.	2.5	59
733	Molecular imaging of tumor angiogenesis using $\hat{l}\pm\nu\hat{l}^2$ 3-integrin targeted multimodal quantum dots. Angiogenesis, 2009, 12, 17-24.	7.2	139
734	Polyampholyte-modified ionic microemulsions. Colloid and Polymer Science, 2009, 287, 1145-1153.	2.1	14
735	Monitoring of enzymatic proteolysis on a electroluminescent-CCD microchip platform using quantum dot-peptide substrates. Sensors and Actuators B: Chemical, 2009, 139, 13-21.	7.8	91
736	Review: Bioanalytical applications of biomolecule-functionalized nanometer-sized doped silica particles. Analytica Chimica Acta, 2009, 647, 14-30.	5.4	358
737	Targeting and imaging cancer cells by Folate-decorated, quantum dots (QDs)- loaded nanoparticles of biodegradable polymers. Biomaterials, 2009, 30, 1176-1183.	11.4	224
738	The modification of quantum dot probes used for the targeted imaging of his-tagged fusion proteins. Biomaterials, 2009, 30, 836-842.	11.4	61
739	Iron oxide core oil-in-water emulsions as a multifunctional nanoparticle platform for tumor targeting and imaging. Biomaterials, 2009, 30, 6947-6954.	11.4	103
740	Molecular imaging and therapy of cancer with radiolabeled nanoparticles. Nano Today, 2009, 4, 399-413.	11.9	234
741	Photophysical characterization of triazole-substituted coumarin fluorophores. Dyes and Pigments, 2009, 82, 196-203.	3.7	70
742	Interaction between silver nanoparticle and bovine hemoglobin at different temperatures. Journal of Nanoparticle Research, 2009, 11, 1751-1758.	1.9	64
743	Comparison of quantum dots immunofluorescence histochemistry and conventional immunohistochemistry for the detection of caveolin-1 and PCNA in the lung cancer tissue microarray. Journal of Molecular Histology, 2009, 40, 261-268.	2.2	55
744	Studies on Interaction of CdTe Quantum Dots with Bovine Serum Albumin Using Fluorescence Correlation Spectroscopy. Journal of Fluorescence, 2009, 19, 151-157.	2.5	42
745	Cancer Detection and Treatment: The Role of Nanomedicines. Molecular Biotechnology, 2009, 42, 358-366.	2.4	51
746	Synthesis of an AIE-active fluorogen and its application in cell imaging. Science in China Series B: Chemistry, 2009, 52, 15-19.	0.8	49

#	Article	IF	Citations
747	Luminescence resonance energy transfer based on \hat{l}^2 -NaYF4:Yb,Er nanoparticles and TRITC dye. Science in China Series B: Chemistry, 2009, 52, 1590-1595.	0.8	15
748	Advances and Prospect of Nanotechnology in Stem Cells. Nanoscale Research Letters, 2009, 4, 593-605.	5 . 7	82
749	Subcellular Localization of Thiol-Capped CdTe Quantum Dots in Living Cells. Nanoscale Research Letters, 2009, 4, 606-12.	5.7	27
750	Pulsed-Laser-Induced Simple Synthetic Route for Tb3Al5O12:Ce3+ Colloidal Nanocrystals and Their Luminescent Properties. Nanoscale Research Letters, 2009, 4, 888-895.	5.7	29
751	A Quick and Parallel Analytical Method Based on Quantum Dots Labeling for ToRCH-Related Antibodies. Nanoscale Research Letters, 2009, 4, 1469-74.	5.7	25
752	Improved peptidyl linkers for self-assembly of semiconductor quantum dot bioconjugates. Nano Research, 2009, 2, 121-129.	10.4	39
753	Delivering quantum dots into cells: strategies, progress and remaining issues. Analytical and Bioanalytical Chemistry, 2009, 393, 1091-1105.	3.7	312
754	Experimental and theoretical studies of the optimisation of fluorescence from near-infrared dye-doped silica nanoparticles. Analytical and Bioanalytical Chemistry, 2009, 393, 1143-1149.	3.7	46
755	Luminescent polynorbornene/quantum dot composite nanorods and nanotubes prepared from AAO membrane templates. Macromolecular Research, 2009, 17, 995-1002.	2.4	5
756	Catalystâ€functionalized nanomaterials. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 35-46.	6.1	12
757	Quantum dots laser desorption/ionization MS: multifunctional CdSe quantum dots as the matrix, concentrating probes and acceleration for microwave enzymatic digestion for peptide analysis and high resolution detection of proteins in a linear MALDIâ€₹OF MS. Proteomics, 2009, 9, 2656-2667.	2.2	74
758	New indoleâ€containing luminophores: convenient synthesis and aggregationâ€induced emission enhancement. Journal of Physical Organic Chemistry, 2009, 22, 241-246.	1.9	27
759	Core/Shell Semiconductor Nanocrystals. Small, 2009, 5, 154-168.	10.0	1,746
760	Cancerâ€Cellâ€Phenotypeâ€Dependent Differential Intracellular Trafficking of Unconjugated Quantum Dots. Small, 2009, 5, 370-376.	10.0	88
761	Photoreversible Fluorescent Modulation of Nanoparticles via Oneâ€Step Miniemulsion Polymerization. Small, 2009, 5, 970-978.	10.0	81
762	An Intrinsically Fluorescent Recognition Ligand Scaffold Based on Chaperonin Protein and Semiconductor Quantumâ€Dot Conjugates. Small, 2009, 5, 1036-1042.	10.0	23
763	Optical Detection of Glucose by Means of Metal Nanoparticles or Semiconductor Quantum Dots. Small, 2009, 5, 676-680.	10.0	74
764	DNA Aptamerâ€Passivated Nanocrystal Synthesis: A Facile Approach for Nanoparticleâ€Based Cancer Cell Growth Inhibition. Small, 2009, 5, 672-675.	10.0	21

#	Article	IF	CITATIONS
765	In situ Visualization of Gene Expression Using Polymerâ€Coated Quantum–Dot–DNA Conjugates. Small, 2009, 5, 2085-2091.	10.0	46
766	Chemical Redox Modulation of the Surface Chemistry of CdTe Quantum Dots for Probing Ascorbic Acid in Biological Fluids. Small, 2009, 5, 2012-2018.	10.0	105
767	Photothermal Control of the Activity of HRPâ€Functionalized Gold Nanoparticles. Small, 2009, 5, 2549-2553.	10.0	32
768	Probing Cellâ€Typeâ€Specific Intracellular Nanoscale Barriers Using Sizeâ€Tuned Quantum Dots. Small, 2009, 5, 2581-2588.	10.0	68
769	QDs versus Alexa: reality of promising tools for immunocytochemistry. Journal of Nanobiotechnology, 2009, 7, 4.	9.1	30
770	Nanotechnology-based electrochemical sensors for biomonitoring chemical exposures. Journal of Exposure Science and Environmental Epidemiology, 2009, 19, 1-18.	3.9	60
771	Vesicular perylene dye nanocapsules as supramolecular fluorescent pH sensor systems. Nature Chemistry, 2009, 1, 623-629.	13.6	563
772	One-step DNA-programmed growth of luminescent and biofunctionalized nanocrystals. Nature Nanotechnology, 2009, 4, 121-125.	31.5	203
773	Plasmonic fluorescent quantum dots. Nature Nanotechnology, 2009, 4, 571-576.	31.5	383
774	Polyethylene glycol-based bidentate ligands to enhance quantum dot and gold nanoparticle stability in biological media. Nature Protocols, 2009, 4, 412-423.	12.0	190
775	Multifunctional ligands based on dihydrolipoic acid and polyethylene glycol to promote biocompatibility of quantum dots. Nature Protocols, 2009, 4, 424-436.	12.0	186
776	Nanoparticles can induce changes in the intracellular metabolism of lipids without compromising cellular viability. FEBS Journal, 2009, 276, 6204-6217.	4.7	60
777	Applications of nanomaterials inside cells. Nano Today, 2009, 4, 37-51.	11.9	218
778	Simultaneous non-invasive analysis of DNA condensation and stability by two-step QD-FRET. Nano Today, 2009, 4, 125-134.	11.9	64
779	Bienzyme system for the biocatalyzed deposition of polyaniline templated by multiwalled carbon nanotubes: A biosensor design. Biosensors and Bioelectronics, 2009, 24, 1621-1628.	10.1	58
780	Magnetophoretic position detection for multiplexed immunoassay using colored microspheres in a microchannel. Biosensors and Bioelectronics, 2009, 24, 1870-1876.	10.1	18
781	Designer multi-functional comb-polymers for surface engineering of quantum dots on the nanoscale. European Polymer Journal, 2009, 45, 3-9.	5.4	30
782	Introduction of Quantum Dots into PNIPAM microspheres by precipitation polymerization above LCST. European Polymer Journal, 2009, 45, 1912-1917.	5.4	32

#	Article	IF	Citations
783	Bacterial detection using carbohydrate-functionalised CdS quantum dots: a model study exploiting E. coli recognition of mannosides. Tetrahedron Letters, 2009, 50, 886-889.	1.4	96
784	Approximate time-dependent density functional theory. Computational and Theoretical Chemistry, 2009, 914, 38-49.	1.5	7 5
785	Ultra-sensitive polysilicon wire glucose sensor using a 3-aminopropyltriethoxysilane and polydimethylsiloxane-treated hydrophobic fumed silica nanoparticle mixture as the sensing membrane. Sensors and Actuators B: Chemical, 2009, 142, 273-279.	7.8	25
786	Fabrication of silk fibroin coated ZnSe: Mn2+ quantum dots under-radiation and their magnetic properties. Solid State Communications, 2009, 149, 1180-1183.	1.9	9
787	Water-soluble, cyclodextrin-functionalized semiconductor nanocrystals: Preparation and pH-dependent aggregation and emission properties. Journal of Luminescence, 2009, 129, 1428-1434.	3.1	5
788	Selective synthesis of CdTe and high luminescence CdTe/CdS quantum dots: The effect of ligands. Journal of Colloid and Interface Science, 2009, 333, 690-698.	9.4	125
789	Synthesis and characterization of multifunctional silica core–shell nanocomposites with magnetic and fluorescent functionalities. Journal of Magnetism and Magnetic Materials, 2009, 321, 1368-1371.	2.3	49
790	Photoluminescence of Si nanocrystals under selective excitation. Journal of Physics and Chemistry of Solids, 2009, 70, 439-443.	4.0	14
791	Transient spectra, kinetics and mechanism of Rhodamine 700 dye precursor photoreaction. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 57-61.	3.9	9
792	Opposing responses elicited by positively charged phthalocyanines in the presence of CdTe quantum dots. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 228-236.	3.9	30
793	Designer polymer–quantum dot architectures. Progress in Polymer Science, 2009, 34, 393-430.	24.7	310
794	A novel fluorescent assay for edaravone with aqueous functional CdSe quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 1066-1070.	3.9	26
795	Preparative size-exclusion chromatography for purification and characterization of colloidal quantum dots bound by chromophore-labeled polymers and low-molecular-weight chromophores. Journal of Chromatography A, 2009, 1216, 5011-5019.	3.7	24
796	Biosensing and imaging based on bioluminescence resonance energy transfer. Current Opinion in Biotechnology, 2009, 20, 37-44.	6.6	130
797	Synthesis of intrinsic fluorescent polypyrrole nanoparticles by atmospheric pressure plasma polymerization. Applied Surface Science, 2009, 255, 6924-6929.	6.1	34
798	Quantum dot-based HIV capture and imaging in a microfluidic channel. Biosensors and Bioelectronics, 2009, 25, 253-258.	10.1	106
799	Detection of Bacillus anthracis spores: comparison of quantum dot and organic dye labeling agents. Advanced Powder Technology, 2009, 20, 438-446.	4.1	5
800	Substrate Driven Photochemistry of CdSe Quantum Dot Films: Charge Injection and Irreversible Transformations on Oxide Surfaces. Journal of Physical Chemistry A, 2009, 113, 3765-3772.	2.5	112

#	Article	IF	CITATIONS
801	Glucose Biosensor Based on Nanocomposite Films of CdTe Quantum Dots and Glucose Oxidase. Langmuir, 2009, 25, 6580-6586.	3.5	174
802	Enhanced Optical Properties of Core/Shell/Shell CdTe/CdS/ZnO Quantum Dots Prepared in Aqueous Solution. Journal of Physical Chemistry C, 2009, 113, 19458-19467.	3.1	83
803	Diamond standard in diagnostics: nanodiamond biolabels make their mark. Analyst, The, 2009, 134, 1751.	3.5	144
804	Semiconductor Quantum Dots for Biosensing and <i>In Vivo </i> li>Imaging. IEEE Transactions on Nanobioscience, 2009, 8, 4-12.	3.3	45
805	Effect of Peptide-Conjugated Near-Infrared Fluorescent Quantum Dots (NIRF-QDs) on the Invasion and Metastasis of Human Tongue Squamous Cell Carcinoma Cell Line Tca8113 in Vitro. International Journal of Molecular Sciences, 2009, 10, 4418-4427.	4.1	16
806	Re-examination of the Size-Dependent Absorption Properties of CdSe Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 19468-19474.	3.1	523
807	Fluorescent Carbon Nanoparticles: Synthesis, Characterization, and Bioimaging Application. Journal of Physical Chemistry C, 2009, 113, 18546-18551.	3.1	1,036
808	Fabrication of water soluble and biocompatible CdSe nanoparticles in apoferritin with the aid of EDTA. Dalton Transactions, 2009, , 1710.	3.3	33
809	Insights into the Kinetics of Semiconductor Nanocrystal Nucleation and Growth. Journal of the American Chemical Society, 2009, 131, 4479-4489.	13.7	201
810	Non-Injection and Low-Temperature Approach to Colloidal Photoluminescent PbS Nanocrystals with Narrow Bandwidth. Journal of Physical Chemistry C, 2009, 113, 2301-2308.	3.1	86
811	Studies on CdSe/ <scp>l</scp> -cysteine Quantum Dots Synthesized in Aqueous Solution for Biological Labeling. Journal of Physical Chemistry C, 2009, 113, 7670-7676.	3.1	88
812	Magnetic nanoparticles: synthesis, functionalization, and applications in bioimaging and magnetic energy storage. Chemical Society Reviews, 2009, 38, 2532.	38.1	1,073
813	Photophysics of Cy3-Encapsulated Calcium Phosphate Nanoparticles. Nano Letters, 2009, 9, 1559-1566.	9.1	152
814	Synthesis of Near-Infrared-Emitting, Water-Soluble CdTeSe/CdZnS Core/Shell Quantum Dots. Chemistry of Materials, 2009, 21, 1418-1424.	6.7	83
815	Noninjection, One-Pot Synthesis of Photoluminescent Colloidal Homogeneously Alloyed CdSeS Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 5193-5200.	3.1	110
816	Novel use of silicon nanocrystals and nanodiamonds in biology. Chemical Papers, 2009, 63, .	2.2	12
817	Optical properties of CdSe and CdSe/ZnS quantum dots dispersed in solvents of different polarity. Russian Journal of Physical Chemistry A, 2009, 83, 1511-1514.	0.6	5
818	Clathrin-Mediated Endocytosis of Quantum Dotâ^'Peptide Conjugates in Living Cells. ACS Nano, 2009, 3, 2419-2429.	14.6	100

#	Article	IF	CITATIONS
819	Engineered Nanomaterial Transformation under Oxidative Environmental Conditions: Development of an <i>in vitro</i> Biomimetic Assay. Environmental Science & Technology, 2009, 43, 1598-1604.	10.0	54
820	Effect of Poly(ethylene glycol) Length on the in Vivo Behavior of Coated Quantum Dots. Langmuir, 2009, 25, 3040-3044.	3.5	142
821	Enhancing the Photoluminescence of Polymer-Stabilized CdSe/CdS/ZnS Core/Shell/Shell and CdSe/ZnS Core/Shell Quantum Dots in Water through a Chemical-Activation Approach. Langmuir, 2009, 25, 11732-11740.	3.5	40
822	Cytosolic Targeting of Macromolecules Using a pH-Dependent Fusogenic Peptide in Combination with Cationic Liposomes. Bioconjugate Chemistry, 2009, 20, 953-959.	3.6	81
823	Biocompatible CdSeâ^'ZnS Coreâ^'Shell Quantum Dots Coated with Hydrophilic Polythiols. Langmuir, 2009, 25, 7090-7096.	3.5	95
824	Target Specific Intracellular Delivery of siRNA/PEIâ°'HA Complex by Receptor Mediated Endocytosis. Molecular Pharmaceutics, 2009, 6, 727-737.	4.6	159
825	FePt Nanoparticles as an Fe Reservoir for Controlled Fe Release and Tumor Inhibition. Journal of the American Chemical Society, 2009, 131, 15346-15351.	13.7	194
826	Amine- and Carboxyl- Quantum Dots Affect Membrane Integrity of Bacterium <i>Cupriavidus metallidurans</i> CH34. Environmental Science & Environmental	10.0	37
827	Ultrasensitive Detection of Trace Protein by Western Blot Based on POLY-Quantum Dot Probes. Analytical Chemistry, 2009, 81, 9194-9198.	6.5	43
828	Imidazole Based Biocompatible Polymer Coating in Deriving <25 nm Functional Nanoparticle Probe for Cellular Imaging and Detection. Journal of Physical Chemistry C, 2009, 113, 21484-21492.	3.1	27
829	Multifunctional Cytotoxic Stealth Nanoparticles. A Model Approach with Potential for Cancer Therapy. Nano Letters, 2009, 9, 636-642.	9.1	128
830	Study on Initial Kinetics of CdSe Nanocrystals by a Combination of in Situ X-ray Absorption Fine Structure and Microfluidic Reactor. Journal of Physical Chemistry C, 2009, 113, 18608-18613.	3.1	22
831	Drug Nanocarriers Labeled With Near-infrared-emitting Quantum Dots (Quantoplexes): Imaging Fast Dynamics of Distribution in Living Animals. Molecular Therapy, 2009, 17, 1849-1856.	8.2	87
832	Pyrenebutyrate-Mediated Delivery of Quantum Dots across the Plasma Membrane of Living Cells. Journal of Physical Chemistry B, 2009, 113, 405-408.	2.6	21
833	Growth Mechanism and Surface Chemical Characteristics of Dicarboxylic Acid-Modified CeO ₂ Nanocrystals Produced in Supercritical Water: Tailor-Made Water-Soluble CeO ₂ Nanocrystals. Crystal Growth and Design, 2009, 9, 5297-5303.	3.0	88
834	Biosynthesis, separation and conjugation of gold nanoparticles to doxorubicin for cellular uptake and toxicity., 2009,,.		4
835	Free-Standing Nanocomposite Multilayers with Various Length Scales, Adjustable Internal Structures, and Functionalities. Journal of the American Chemical Society, 2009, 131, 2579-2587.	13.7	77
836	Optimizing a Waveguide-Based Sandwich Immunoassay for Tumor Biomarkers: Evaluating Fluorescent Labels and Functional Surfaces. Bioconjugate Chemistry, 2009, 20, 222-230.	3.6	43

#	Article	IF	CITATIONS
837	Engineering Nanomaterial Surfaces for Biomedical Applications. Experimental Biology and Medicine, 2009, 234, 1128-1139.	2.4	119
838	Multiplexed Imaging of Therapeutic Cells with Multispectrally Encoded Magnetofluorescent Nanocomposite Emulsions. Journal of the American Chemical Society, 2009, 131, 17145-17154.	13.7	58
839	Hollow Metal Nanorods with Tunable Dimensions, Porosity, and Photonic Properties. ACS Nano, 2009, 3, 1365-1372.	14.6	66
840	Hadamard transform spectral microscopy for single cell imaging using organic and quantum dotfluorescent probes. Analyst, The, 2009, 134, 504-511.	3.5	11
841	Suppression of Quantum Dot Blinking in DTT-Doped Polymer Films. Journal of Physical Chemistry C, 2009, 113, 11541-11545.	3.1	35
842	Quantum Dot Triexciton Imaging with Three-Dimensional Subdiffraction Resolution. Nano Letters, 2009, 9, 2466-2470.	9.1	33
843	Fluorescent Single-Molecular Coreâ^'Shell Nanospheres of Hyperbranched Conjugated Polyelectrolyte for Live-Cell Imaging. Chemistry of Materials, 2009, 21, 3816-3822.	6.7	141
844	How Gold Particles Suppress Concentration Quenching of Fluorophores Encapsulated in Silica Beads. Journal of Physical Chemistry C, 2009, 113, 17669-17677.	3.1	36
845	Collision-Induced Dissociation of Ilâ^'VI Semiconductor Nanocrystal Precursors, Cd ²⁺ and Zn ²⁺ Complexes with Trioctylphosphine Oxide, Sulfide, and Selenide. Journal of Physical Chemistry A, 2009, 113, 9588-9594.	2.5	13
846	Enhanced Biocompatibility and Biostability of CdTe Quantum Dots by Facile Surface-Initiated Dendritic Polymerization. Biomacromolecules, 2009, 10, 1865-1874.	5.4	66
847	Gastrointestinal biodurability of engineered nanoparticles: Development of an <i>in vitro</i> assay. Nanotoxicology, 2009, 3, 202-214.	3.0	45
848	Effect of natural organic matter and green microalga on carboxyl-polyethylene glycol coated CdSe/ZnS quantum dots stability and transformations under freshwater conditions. Environmental Pollution, 2009, 157, 3445-3450.	7.5	42
849	Dissecting microbiological systems using materials science. Trends in Microbiology, 2009, 17, 100-108.	7.7	11
850	Intracellular oxidative stress and cadmium ions release induce cytotoxicity of unmodified cadmium sulfide quantum dots. Toxicology in Vitro, 2009, 23, 1007-1013.	2.4	173
851	Nanotechnology, nanotoxicology, and neuroscience. Progress in Neurobiology, 2009, 87, 133-170.	5.7	356
852	CO2 laser-driven pyrolysis synthesis of silicon nanocrystals and applications. Journal of Alloys and Compounds, 2009, 483, 499-502.	5 . 5	21
853	Recent Advances in Nanotechnology Applied to Biosensors. Sensors, 2009, 9, 1033-1053.	3.8	310
854	Aggregation-induced emission: phenomenon, mechanism and applications. Chemical Communications, 2009, , 4332.	4.1	3,438

#	Article	IF	CITATIONS
855	Crystallization-Induced Emission Enhancement in a Phosphorus-Containing Heterocyclic Luminogen. Journal of Physical Chemistry B, 2009, 113, 9098-9103.	2.6	80
856	Langmuir Adsorption Study of the Interaction of CdSe/ZnS Quantum Dots with Model Substrates: Influence of Substrate Surface Chemistry and pH. Langmuir, 2009, 25, 443-450.	3.5	67
857	Nanotechnology for in vitro neuroscience. Nanoscale, 2009, 1, 183.	5.6	26
858	Multifunctional nanostructured materials for multimodal imaging, and simultaneous imaging and therapy. Chemical Society Reviews, 2009, 38, 372-390.	38.1	981
859	Predicting Efficient Antenna Ligands for Tb(III) Emission. Inorganic Chemistry, 2009, 48, 687-698.	4.0	95
860	Porous Hollow Fe ₃ O ₄ Nanoparticles for Targeted Delivery and Controlled Release of Cisplatin. Journal of the American Chemical Society, 2009, 131, 10637-10644.	13.7	429
861	Imaging morphogenesis, in Xenopus with Quantum Dot nanocrystals. Mechanisms of Development, 2009, 126, 828-841.	1.7	26
862	UV-enhanced cytotoxicity of thiol-capped CdTe quantum dots in human pancreatic carcinoma cells. Toxicology Letters, 2009, 188, 104-111.	0.8	57
863	Comparison of gene expression profiles in mice liver following intravenous injection of 4 and 100nm-sized PEG-coated gold nanoparticles. Toxicology Letters, 2009, 191, 96-102.	0.8	100
864	Size and Growth Rate Dependent Structural Diversification of Fe3O4/CdS Anisotropic Nanocrystal Heterostructures. ACS Nano, 2009, 3, 434-440.	14.6	61
865	Ultra-small water-dispersible fluorescent chitosan nanoparticles: synthesis, characterization and specific targeting. Chemical Communications, 2009, , 2347.	4.1	59
866	Interfacial Transduction of Nucleic Acid Hybridization Using Immobilized Quantum Dots as Donors in Fluorescence Resonance Energy Transfer. Langmuir, 2009, 25, 633-638.	3. 5	62
867	Combinatorial Discovery of Novel Amphiphilic Polymers for the Phase Transfer of Magnetic Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 16615-16624.	3.1	25
868	Single Quantum-Dot-Based Aptameric Nanosensor for Cocaine. Analytical Chemistry, 2009, 81, 3051-3055.	6.5	213
869	Single-Sized CdSe Nanocrystals with Bandgap Photoemission via a Noninjection One-Pot Approach. Journal of Physical Chemistry C, 2009, 113, 3390-3401.	3.1	67
870	Functionalized Plasmonicâ^'Fluorescent Nanoparticles for Imaging and Detection. Journal of Physical Chemistry C, 2009, 113, 18492-18498.	3.1	77
871	CdS Magic-Sized Nanocrystals Exhibiting Bright Band Gap Photoemission via Thermodynamically Driven Formation. ACS Nano, 2009, 3, 3832-3838.	14.6	88
872	Quantum Dots: Inorganic Fluorescent Probes for Single-Molecule Tracking Experiments in Live Cells. , 0, , 67-96.		2

#	Article	IF	CITATIONS
873	Progress toward Producing n-Type CdSe Quantum Dots: Tin and Indium Doped CdSe Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 13008-13015.	3.1	47
874	Photoluminescent Colloidal CdS Nanocrystals with High Quality via Noninjection One-Pot Synthesis in 1-Octadecene. Journal of Physical Chemistry C, 2009, 113, 7579-7593.	3.1	75
875	Well-Defined, Multifunctional Nanostructures of a Paramagnetic Lipid and a Lipopeptide for Macrophage Imaging. Journal of the American Chemical Society, 2009, 131, 406-407.	13.7	28
876	Single-Domain Antibody Functionalized CdSe/ZnS Quantum Dots for Cellular Imaging of Cancer Cells. Journal of Physical Chemistry C, 2009, 113, 496-499.	3.1	55
877	Step-Wise Synthesis of InP/ZnS Coreâ^Shell Quantum Dots and the Role of Zinc Acetate. Chemistry of Materials, 2009, 21, 573-575.	6.7	129
878	Photocatalytic activity of colloidal CdS nanoparticles with different capping ligands. Journal of Materials Chemistry, 2009, 19, 6348.	6.7	63
879	Depositing a Zn _{<i>x</i>} Cd _{1â^'<i>x</i>} S Shell around CdSe Core Nanocrystals via a Noninjection Approach in Aqueous Media. Journal of Physical Chemistry C, 2009, 113, 4301-4306.	3.1	30
880	Determination of the Fluorescence Quantum Yield of Quantum Dots: Suitable Procedures and Achievable Uncertainties. Analytical Chemistry, 2009, 81, 6285-6294.	6.5	556
881	Norepinephrine: Material-Independent, Multifunctional Surface Modification Reagent. Journal of the American Chemical Society, 2009, 131, 13224-13225.	13.7	298
882	The environmental influence on the photoluminescence behavior of thiol-capped CdTe quantum dots in living cells. Biomedical Materials (Bristol), 2009, 4, 012001.	3.3	10
883	How to measure quantum yields in scattering media: Application to the quantum yield measurement of fluorescein molecules encapsulated in sub-100 nm silica particles. Journal of Applied Physics, 2009, 106, 094304.	2.5	32
884	Colorimetric and Fluorescent Biosensors Based on Directed Assembly of Nanomaterials with Functional DNA., 2009,, 155-178.		5
885	A Technical Note on Quantum Dots for Multi-Color Fluorescence in situ Hybridization. Cytogenetic and Genome Research, 2009, 124, 351-359.	1.1	10
886	Quantum-dot-coated encoded silica colloidal crystals beads for multiplex coding. Chemical Communications, 2009, , 2329.	4.1	66
887	Antinuclear antibodies and their detection methods in diagnosis of connective tissue diseases: a journey revisited. Diagnostic Pathology, 2009, 4, 1.	2.0	120
888	ZnO-Templated Synthesis of Wurtzite-Type ZnS and ZnSe Nanoparticles. Journal of the American Chemical Society, 2009, 131, 424-425.	13.7	85
889	Bio-conjugated luminescent quantum dots of doped ZnS: a cyto-friendly system for targeted cancer imaging. Nanotechnology, 2009, 20, 065102.	2.6	145
890	Application of Semiconductor Quantum Dots for Breast Cancer Cell Sensing. , 2009, , .		4

#	Article	IF	CITATIONS
891	Size-Dependent Composition and Molar Extinction Coefficient of PbSe Semiconductor Nanocrystals. ACS Nano, 2009, 3, 1518-1524.	14.6	203
892	Quantum Dot Nanotoxicity Assessment Using the Zebrafish Embryo. Environmental Science & Emp; Technology, 2009, 43, 1605-1611.	10.0	221
893	Nanoparticulate Assemblies of Amphiphiles and Diagnostically Active Materials for Multimodality Imaging. Accounts of Chemical Research, 2009, 42, 904-914.	15.6	244
894	Surface-enhanced Raman spectroscopy of CdSe quantum dots on nanostructured plasmonic surfaces. Applied Physics Letters, 2009, 95, 141111.	3.3	56
895	Direct Synthesis of Aqueous CdSe/ZnS-Based Quantum Dots Using Microwave Irradiation. Journal of Physical Chemistry C, 2009, 113, 12132-12139.	3.1	48
896	Synthesis of Fluorescent Carbohydrate-Protected Au Nanodots for Detection of Concanavalin A and <i>Escherichia coli</i> Analytical Chemistry, 2009, 81, 875-882.	6.5	211
897	Combinatorial Methods for Chemical and Biological Sensors. , 2009, , .		14
898	Photoluminescence Quenching of CdSe/ZnS Quantum Dots by Molecular Ferrocene and Ferrocenyl Thiol Ligands. Journal of Physical Chemistry C, 2009, 113, 18676-18680.	3.1	43
899	Photophysics of colloidal semiconductor nanocrystals: a review. Journal of Nanophotonics, 2009, 3, 032504.	1.0	14
900	Calibration of Flow Cytometry for Quantitative Quantum Dot Measurements. Current Protocols in Cytometry, 2009, 49, Unit6.26.	3.7	4
901	Introduction to Fluorescence Sensing. , 2009, , .		183
902	Aptamer-Based Bioanalytical Assays: Amplification Strategies. , 0, , 159-179.		2
903	Inhomogeneous thin deposits: a strategy to exploit their functionality. Journal of Materials Chemistry, 2009, 19, 6085.	6.7	59
904	Sensors Based on Nanostructured Materials. , 2009, , .		32
905	A Reduction Pathway in the Synthesis of PbSe Nanocrystal Quantum Dots. Journal of the American Chemical Society, 2009, 131, 10620-10628.	13.7	106
906	Microparticle encoding technologies for high-throughput multiplexed suspension assays. Integrative Biology (United Kingdom), 2009, 1, 345.	1.3	128
907	Predicting the distribution and stability of photoactive defect centers in nanodiamond biomarkers. Journal of Materials Chemistry, 2009, 19, 360-365.	6.7	35
908	Carbon Dots as Nontoxic and High-Performance Fluorescence Imaging Agents. Journal of Physical Chemistry C, 2009, 113, 18110-18114.	3.1	829

#	Article	IF	CITATIONS
909	Spatially Selective Optical Tuning of Quantum Dot Thin Film Luminescence. Journal of the American Chemical Society, 2009, 131, 18204-18205.	13.7	20
910	Prediction and Measurement of the Size-Dependent Stability of Fluorescence in Diamond over the Entire Nanoscale. Nano Letters, 2009, 9, 3555-3564.	9.1	92
911	Micro and Nano Technologies in Bioanalysis. Methods in Molecular Biology, 2009, , .	0.9	7
912	Microfluidic assisted synthesis of multi-functional polycaprolactone microcapsules: incorporation of CdTe quantum dots, Fe ₃ O ₄ superparamagnetic nanoparticles and tamoxifen anticancer drugs. Lab on A Chip, 2009, 9, 961-965.	6.0	97
913	Nanoroughened plasmonic films for enhanced biosensing detection. Nanotechnology, 2009, 20, 225502.	2.6	30
914	Spectrally Resolved Resonance Energy Transfer from ZnO:MgO Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 16424-16431.	3.1	12
915	Amplified DNA Biosensors., 2009,, 199-252.		8
916	Bioconjugation of Rod-Shaped Fluorescent Nanocrystals for Efficient Targeted Cell Labeling. Langmuir, 2009, 25, 12614-12622.	3.5	39
917	Poly(ethylene glycol) Carbodiimide Coupling Reagents for the Biological and Chemical Functionalization of Water-Soluble Nanoparticles. ACS Nano, 2009, 3, 915-923.	14.6	93
918	Fabrication of Colloidal Stable, Thermosensitive, and Biocompatible Magnetite Nanoparticles and Study of Their Reversible Agglomeration in Aqueous Milieu. Chemistry of Materials, 2009, 21, 1906-1914.	6.7	90
919	Analysis of the Dynamics of Assembly and Structural Impact for a Histidine Tagged FGF1â^'1.5 nm Au Nanoparticle Bioconjugate. Bioconjugate Chemistry, 2009, 20, 2106-2113.	3.6	22
920	Photoluminescence of CdTe nanocrystals modulated by methylene blue and DNA. A label-free luminescent signaling nanohybrid platform. Physical Chemistry Chemical Physics, 2009, 11, 5062.	2.8	40
921	Ultrafast synthesis of water-soluble nanocrystals by the chemical aerosol flow method. CrystEngComm, 2009, 11, 1231.	2.6	7
922	Synthesis of ZnSe/CdS/ZnSe Nanobarbells Showing Photoinduced Charge Separation. Chemistry of Materials, 2009, 21, 4305-4309.	6.7	66
923	Free flow electrophoresis for the separation of CdTe nanoparticles. Journal of Materials Chemistry, 2009, 19, 1390.	6.7	37
924	Self-assembly of supramolecular aptamer structures for optical or electrochemical sensing. Analyst, The, 2009, 134, 653.	3.5	124
925	Emission quench of water-soluble ZnS–AgInS2 solid solution nanocrystals and its application to chemosensors. Chemical Communications, 2009, , 7485.	4.1	42
926	A photoluminescent nanocrystal-based signaling protocol highly sensitive to nerve agents and highly toxic organophosphate pesticides. Analyst, The, 2009, 134, 2153.	3.5	28

#	Article	IF	CITATIONS
927	Twisted perylenedyes enable highly fluorescent and photostable nanoparticles. Chemical Communications, 2009, , 180-182.	4.1	50
928	Novel nanocomposites consisting of in vivo-biotinylated bacterial magnetic particles and quantum dots for magnetic separation and fluorescent labeling of cancer cells. Journal of Materials Chemistry, 2009, 19, 6361.	6.7	33
929	Synthesis and characterization of quantum dot–polymer composites. Journal of Materials Chemistry, 2009, 19, 3198.	6.7	49
930	Synthesis of Multifunctional Composite Microgels <i>via</i> of Ni Growth on pNIPAM-Coated Au Nanoparticles. ACS Nano, 2009, 3, 3184-3190.	14.6	76
931	Direct encoding of silica submicrospheres with cadmium telluride nanocrystals. Journal of Materials Chemistry, 2009, 19, 7002.	6.7	20
932	Application of Synthesized Quantum Dots for Cell Imaging. , 2009, , .		0
933	Effective photoreduction of a Pt(iv) complex with quantum dots: a feasible new light-induced method of releasing anticancer Pt(ii) drugs. Chemical Communications, 2009, , 5257.	4.1	31
934	Competitive analysis of saccharides or dopamine by boronic acid-functionalized CdSe–ZnS quantum dots. Chemical Communications, 2009, , 764.	4.1	117
935	A photostable fluorescent probe for targeted imaging of tumour cells possessing integrin $\hat{l}\pm\nu\hat{l}^23^{**}$. Molecular BioSystems, 2009, 5, 241.	2.9	28
936	Î ² -Cyclodextrin-Modified CdSe/ZnS Quantum Dots for Sensing and Chiroselective Analysis. Nano Letters, 2009, 9, 2073-2076.	9.1	243
937	Multicolour self-assembled particles of fluorene-based bolaamphiphiles. Chemical Communications, 2009, , 1697.	4.1	76
938	Inorganic nanoparticles for predictive oncology of breast cancer. Nanomedicine, 2009, 4, 83-103.	3.3	38
939	PEGylated and MMP-2 Specifically DePEGylated Quantum Dots: Comparative Evaluation of Cellular Uptake. Langmuir, 2009, 25, 1645-1650.	3.5	96
940	Novel methods of targeted drug delivery: the potential of multifunctional nanoparticles. Expert Review of Clinical Pharmacology, 2009, 2, 265-282.	3.1	27
941	Nanoparticle strategies for enhancing the sensitivity of fluorescence-based biochips. Nanomedicine, 2009, 4, 645-656.	3.3	31
942	Perspective on Optical Biosensors and Integrated Sensor Systems. Analytical Chemistry, 2009, 81, 519-526.	6.5	217
943	Phosphine-free synthesis of high quality ZnSe, ZnSe/ZnS, and Cu-, Mn-doped ZnSe nanocrystals. Dalton Transactions, 2009, , 10534.	3.3	104
944	Ligand-dependent blinking of zinc-blende CdSe/ZnS core/shell nanocrystals. Physical Chemistry Chemical Physics, 2009, 11, 3497.	2.8	25

#	Article	IF	Citations
945	Upconversion Luminescence of Monodisperse CaF ₂ :Yb ³⁺ /Er ³⁺ Nanocrystals. Journal of the American Chemical Society, 2009, 131, 14200-14201.	13.7	417
946	Quantum dot-based resonance energy transfer and its growing application in biology. Physical Chemistry Chemical Physics, 2009, 11, 17-45.	2.8	537
947	Ab Initio Study of Excitation Energy Transfer between Quantum Dots and Dye Molecules. Journal of Physical Chemistry C, 2009, 113, 7548-7552.	3.1	28
948	Plasmon Resonance Energy Transfer (PRET)-based Molecular Imaging of Cytochrome <i>c</i> in Living Cells. Nano Letters, 2009, 9, 85-90.	9.1	192
949	New Carbazole-Based Fluorophores: Synthesis, Characterization, and Aggregation-Induced Emission Enhancement. Journal of Physical Chemistry B, 2009, 113, 434-441.	2.6	168
950	Resonance Energy Transfer Between Luminescent Quantum Dots and Diverse Fluorescent Protein Acceptors. Journal of Physical Chemistry C, 2009, 113, 18552-18561.	3.1	109
951	Aggregation-Free Process for Functional CdSe/CdS Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 7114-7119.	3.1	29
952	Quantum Dot-Based OFF/ON Probe for Detection of Glutathione. Journal of Physical Chemistry C, 2009, 113, 9659-9663.	3.1	104
953	Surface Coating Directed Cellular Delivery of TAT-Functionalized Quantum Dots. Bioconjugate Chemistry, 2009, 20, 1752-1758.	3.6	64
954	Interplay of multivalency and optical properties of quantum dots: implications for sensing and actuation in living cells., 2009,,.		1
955	Computational study of the interaction of fluorophores with various metallic nanoparticle systems. , 2009, , .		0
956	Frequency upconverted lasing of nanocrystal quantum dots in microbeads. Applied Physics Letters, 2009, 95, 183109.	3.3	15
958	In-situ EXAFS study of nucleation process of CdSe nanocrystals. Journal of Physics: Conference Series, 2009, 190, 012120.	0.4	5
959	Using metal complex-labeled peptides for charge transfer-based biosensing with semiconductor quantum dots. Proceedings of SPIE, 2009, , .	0.8	0
960	Nanotechnology and urological tissue engineering. , 2009, , 281-298.		0
961	Molecular imaging with targeted quantum dot bioconjugates: the need for contrast optimisation studies. International Journal of Nanotechnology, 2009, 6, 442.	0.2	6
962	Water-Soluble CdS Nanospheres Assembled from Quantum Dots. Current Nanoscience, 2009, 5, 278-282.	1.2	0
963	Intracellular delivery of and sensing with quantum dot bioconjugates. Proceedings of SPIE, 2009, , .	0.8	0

#	Article	IF	CITATIONS
964	Intrinsic fluorescent recognition ligand scaffold based on chaperonins and water-soluble semiconductor quantum dots. Proceedings of SPIE, 2009, , .	0.8	0
965	Toward non-blinking quantum dots: the effect of thick shell. , 2009, , .		4
966	Surface plasmon polariton enhanced fluorescence from quantum dots on nanostructured metal surfaces. Proceedings of SPIE, 2009, , .	0.8	0
967	Real-time visualization of RGD-quantum dot binding in tumor neovasculature using intravital microscopy in multiple living mouse models. Proceedings of SPIE, 2009, , .	0.8	1
968	Blocked Electron Transfer and Suppressed Blinking of Single CdSe/ZnS Quantum Dots in Agarose Gel. Journal of the Chinese Chemical Society, 2010, 57, 522-527.	1.4	0
969	Delivery of quantum dot bioconjugates to the cellular cytosol: release from the endolysosomal system. , 2010, , .		2
970	Controlled placement of single photon sources for quantum integration. Proceedings of SPIE, 2010, , .	0.8	0
971	Multifunctional nanoparticles: from the detection of biomolecules to the therapy. International Journal of Nanotechnology, 2010, 7, 781.	0.2	23
972	Photonic materials for encoding and detection of biomolecules. , 2010, , .		0
974	End-Grafted Polymer Chains onto Inorganic Nano-Objects. Materials, 2010, 3, 1981-2026.	2.9	71
975	Real time PCR based on Fluorescent Quenching of Mercaptoacetic Acid-Modified CdTe Quantum Dots for Ultrasensitive Specific Detection of Nucleic Acids. Nano Biomedicine and Engineering, 2010, 2, .	0.9	0
977	Biodistribution and clearance of quantum dots in small animals. Proceedings of SPIE, 2010, , .	0.8	8
979	One-pot Preparation of Water-soluble Blue Luminescent Silica Flakes via Microwave Heating. Chemistry Letters, 2010, 39, 370-371.	1.3	2
980	Capillary electrophoretic separation and characterizations of CdSe quantum dots. Open Chemistry, 2010, 8, 806-819.	1.9	13
981	Intracellulartransduction using cell-penetrating peptides. Molecular BioSystems, 2010, 6, 628-640.	2.9	118
982	Microcalorimetric, spectroscopic and microscopic investigation on the toxic effects of CdTe quantum dots on <i> Halobacterium halobium < i > R1. Nanotechnology, 2010, 21, 475102.</i>	2.6	20
983	Non-specific cellular uptake of surface-functionalized quantum dots. Nanotechnology, 2010, 21, 285105.	2.6	120
984	Hydrophilic CdSeâ^'ZnS Coreâ^'Shell Quantum Dots with Reactive Functional Groups on Their Surface. Langmuir, 2010, 26, 11503-11511.	3.5	89

#	Article	IF	CITATIONS
985	Surface modification, functionalization and bioconjugation of colloidal inorganic nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 1333-1383.	3.4	1,294
986	Current directions in core–shell nanoparticle design. Nanoscale, 2010, 2, 829.	5 . 6	280
987	Nanoparticles for detection and diagnosis. Advanced Drug Delivery Reviews, 2010, 62, 316-328.	13.7	285
988	Modified natural nanoparticles as contrast agents for medical imaging. Advanced Drug Delivery Reviews, 2010, 62, 329-338.	13.7	165
989	Emerging nanotechnology-based strategies for the identification of microbial pathogenesis. Advanced Drug Delivery Reviews, 2010, 62, 408-423.	13.7	260
990	Nanoparticle-based theranostic agents. Advanced Drug Delivery Reviews, 2010, 62, 1064-1079.	13.7	1,235
991	Bioactive Paper Through Inkjet Printing. Journal of Adhesion Science and Technology, 2010, 24, 661-684.	2.6	36
992	Biomolecule-Based Nanomaterials and Nanostructures. Nano Letters, 2010, 10, 3805-3815.	9.1	262
993	Engineered Biocompatible Nanoparticles for <i>in Vivo</i> Imaging Applications. Journal of the American Chemical Society, 2010, 132, 15022-15029.	13.7	92
994	Expanding the Chemical Versatility of Colloidal Nanocrystals Capped with Molecular Metal Chalcogenide Ligands. Journal of the American Chemical Society, 2010, 132, 10085-10092.	13.7	263
995	Recent progress in the preparation and application of carbon nanocapsules. Journal Physics D: Applied Physics, 2010, 43, 374001.	2.8	23
996	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. Journal of Physical Chemistry Letters, 2010, 1, 1454-1458.	4.6	192
997	Nanodiamonds for optical bioimaging. Journal Physics D: Applied Physics, 2010, 43, 374021.	2.8	137
998	Multifunctional calcium carbonate microparticles: Synthesis and biological applications. Journal of Materials Chemistry, 2010, 20, 7728.	6.7	50
999	Thiol-capped CdTe nanocrystals: progress and perspectives of the related research fields. Physical Chemistry Chemical Physics, 2010, 12, 8685.	2.8	113
1000	Multidentate Poly(ethylene glycol) Ligands Provide Colloidal Stability to Semiconductor and Metallic Nanocrystals in Extreme Conditions. Journal of the American Chemical Society, 2010, 132, 9804-9813.	13.7	187
1001	The nature of quantum dot capping ligands. Journal of Materials Chemistry, 2010, 20, 5797.	6.7	332
1002	Multicolor Conjugate Polyelectrolyte/Peptide Complexes as Self-Assembled Nanoparticles for Receptor-Targeted Cellular Imaging. Chemistry of Materials, 2010, 22, 6736-6741.	6.7	59

#	ARTICLE	IF	CITATIONS
1003	High Up-Conversion Efficiency of YVO ₄ :Yb,Er Nanoparticles in Water down to the Single-Particle Level. Journal of Physical Chemistry C, 2010, 114, 22449-22454.	3.1	113
1004	Luminescent Chemosensors Based on Silica Nanoparticles. Topics in Current Chemistry, 2010, 300, 93-138.	4.0	50
1005	Magnetic nanoparticles: Synthesis, stabilization, functionalization, characterization, and applications. Journal of the Iranian Chemical Society, 2010, 7, 1-37.	2.2	611
1006	Size-Dependent Temperature Effects on PbSe Nanocrystals. Langmuir, 2010, 26, 11435-11440.	3.5	57
1007	Quantum Dots and Their Multimodal Applications: A Review. Materials, 2010, 3, 2260-2345.	2.9	986
1008	Synthesis and Characterization of Cadmium Phosphide Quantum Dots Emitting in the Visible Red to Near-Infrared. Journal of the American Chemical Society, 2010, 132, 5613-5615.	13.7	79
1009	Inorganic nanomaterials for tumor angiogenesis imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 147-163.	6.4	41
1010	Electrophoretic properties of BSA-coated quantum dots. Analytical and Bioanalytical Chemistry, 2010, 396, 1087-1094.	3.7	36
1011	Compatibility of quantum dots with immunobuffers, and its effect on signal/background of quantum dot-based immunoassay. Analytical and Bioanalytical Chemistry, 2010, 396, 1345-1353.	3.7	9
1012	In vitro and in vivo imaging with quantum dots. Analytical and Bioanalytical Chemistry, 2010, 397, 1397-1415.	3.7	108
1013	Accurate detection of on-state quantum dot and biomolecules in a microfluidic flow with single-molecule two-color coincidence detection. Analytical and Bioanalytical Chemistry, 2010, 397, 703-708.	3.7	7
1014	In vitro and intracellular sensing by using the photoluminescence of quantum dots. Analytical and Bioanalytical Chemistry, 2010, 397, 935-942.	3.7	36
1015	Critical aspects of biointerface design and their impact on biosensor development. Analytical and Bioanalytical Chemistry, 2010, 397, 925-933.	3.7	35
1016	Near-infrared quantum dots for deep tissue imaging. Analytical and Bioanalytical Chemistry, 2010, 397, 1417-1435.	3.7	172
1017	New opportunities in multiplexed optical bioanalyses using quantum dots and donor–acceptor interactions. Analytical and Bioanalytical Chemistry, 2010, 398, 2439-2449.	3.7	74
1018	Use of quantum dots in the development of assays for cancer biomarkers. Analytical and Bioanalytical Chemistry, 2010, 397, 3213-3224.	3.7	93
1019	A simple, sensitive and selective quantum-dot-based western blot method for the simultaneous detection of multiple targets from cell lysates. Analytical and Bioanalytical Chemistry, 2010, 398, 547-554.	3.7	15
1020	Biosilicated CdSe/ZnS quantum dots as photoluminescent transducers for acetylcholinesterase-based biosensors. Analytical and Bioanalytical Chemistry, 2010, 398, 3015-3021.	3.7	38

#	Article	IF	CITATIONS
1021	Measuring properties of nanoparticles in embryonic blood vessels: Towards a physicochemical basis for nanotoxicity. Chemical Physics Letters, 2010, 488, 99-111.	2.6	25
1022	Novel antennae for the sensitization of near infrared luminescent lanthanide cations. Comptes Rendus Chimie, 2010, 13, 668-680.	0.5	89
1023	Folate receptor targeted, rare-earth oxide nanocrystals for bi-modal fluorescence and magnetic imaging of cancer cells. Biomaterials, 2010, 31, 714-729.	11.4	176
1024	Perfluorodecalin/[InGaP/ZnS quantum dots] nanoemulsions as 19F MR/optical imaging nanoprobes for the labeling of phagocytic and nonphagocytic immune cells. Biomaterials, 2010, 31, 4964-4971.	11.4	38
1025	Synthesis and assembly of rare earth nanostructures directed by the principle of coordination chemistry in solution-based process. Coordination Chemistry Reviews, 2010, 254, 1038-1053.	18.8	150
1026	Spray drying of TiO2 nanoparticles into redispersible granules. Powder Technology, 2010, 203, 384-388.	4.2	47
1027	Functionalisation of nanoparticles for biomedical applications. Nano Today, 2010, 5, 213-230.	11.9	606
1028	Intravital microscopy in window chambers: a unique tool to study tumor angiogenesis and delivery of nanoparticles. Angiogenesis, 2010, 13, 113-130.	7.2	56
1029	Quantum dots for multimodal molecular imaging of angiogenesis. Angiogenesis, 2010, 13, 131-134.	7.2	36
1030	Imaging of angiogenesis. Angiogenesis, 2010, 13, 71-74.	7.2	16
1031	In vitro cytotoxicity screening of water-dispersible metal oxide nanoparticles in human cell lines. Bioprocess and Biosystems Engineering, 2010, 33, 21-30.	3.4	72
1032	Quantitative detection of E. coli O157:H7 eaeA gene using quantum dots and magnetic particles. Biotechnology and Bioprocess Engineering, 2010, 15, 1084-1093.	2.6	7
1033	The synthesis of mono-6-thio- $\hat{1}^2$ -cyclodextrin capped CdTe QDs and its interaction with neutral red. Science China Chemistry, 2010, 53, 1358-1365.	8.2	3
1034	Preparation of giant unilamellar CdTe quantum dot vesicles and their metabolic pathway in vivo. Science China Chemistry, 2010, 53, 1718-1722.	8.2	3
1035	Semiconducting nanocrystals, conjugated polymers, and conjugated polymer/nanocrystal nanohybrids and their usage in solar cells. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 33-44.	0.4	6
1036	Magnetic biosensor technologies for medical applications: a review. Medical and Biological Engineering and Computing, 2010, 48, 977-998.	2.8	186
1037	Study of the Action of Se and Cu on the Growth Metabolism of Escherichia coli by Microcalorimetry. Biological Trace Element Research, 2010, 137, 364-372.	3.5	11
1038	Physiological characterization of †stay green' wheat cultivars during the grain filling stage under field growing conditions. Acta Physiologiae Plantarum, 2010, 32, 875-882.	2.1	50

#	Article	IF	CITATIONS
1039	Study on the Intracellular Fate of Tat Peptide-Conjugated Quantum Dots by Spectroscopic Investigation. Journal of Fluorescence, 2010, 20, 551-556.	2.5	13
1040	Glycosylated Quantum Dots for the Selective Labelling of Kluyveromyces bulgaricus and Saccharomyces cerevisiae Yeast Strains. Journal of Fluorescence, 2010, 20, 591-597.	2.5	22
1041	Fluorescence Lymph Node Mapping in Living Mice Using Quantum Dots and a Compression Technique. Journal of Fluorescence, 2010, 20, 599-606.	2.5	11
1042	Microfluidic devices for characterizing the agonist of formyl peptide receptor in RBL-FPR cells. Biomedical Microdevices, 2010, 12, 513-521.	2.8	4
1043	Synthesis and characterization of Zn x Hg1 \hat{a} 'x Se y S1 \hat{a} 'y quantum dots. Journal of Nanoparticle Research, 2010, 12, 1377-1388.	1.9	10
1044	Comparison of Eu(NO3)3 and Eu(acac)3 precursors for doping luminescent silica nanoparticles. Journal of Nanoparticle Research, 2010, 12, 1925-1931.	1.9	23
1045	Facile synthesis, growth mechanism, and optical properties of CdSe nanoparticles in self-assembled micellar media and their efficient conjugation with proteins. Journal of Nanoparticle Research, 2010, 12, 1697-1709.	1.9	10
1046	Target specific and long-acting delivery of protein, peptide, and nucleotide therapeutics using hyaluronic acid derivatives. Journal of Controlled Release, 2010, 141, 2-12.	9.9	468
1047	Quantum dot-based visual in vivo imaging for oral squamous cell carcinoma in mice. Oral Oncology, 2010, 46, 864-868.	1.5	35
1048	Synthesis, characterization, photo and physicochemical properties of 11-mercaptoundecanoic acid and tetraaniline capped CdS quantum dots. Materials Chemistry and Physics, 2010, 123, 742-746.	4.0	3
1049	Ethanol-thermal synthesis of Cd1 \hat{a} °Zn S nanoparticles with enhanced photodegradation of 4-chlorophenol. Materials Research Bulletin, 2010, 45, 1396-1400.	5.2	5
1050	Bioconjugated quantum dots for cancer research: Present status, prospects and remaining issues. Biotechnology Advances, 2010, 28, 199-213.	11.7	215
1051	Radiofrequency fieldâ€induced thermal cytotoxicity in cancer cells treated with fluorescent nanoparticles. Cancer, 2010, 116, 3285-3293.	4.1	96
1052	Construction of Energy Transfer Systems within Nanosized Polymer Micelles and their Fluorescence Modulation Properties. ChemPhysChem, 2010, 11, 1036-1043.	2.1	25
1053	Synthesis of Highly Stable CdTe/CdS Quantum Dots with Biocompatibility. European Journal of Inorganic Chemistry, 2010, 2010, 1501-1506.	2.0	21
1054	A new weakly basic aminoâ€reactive fluorescent label for use in isoelectric focusing and chip electrophoresis. Electrophoresis, 2010, 31, 2749-2753.	2.4	8
1055	Capillary electrophoresis with immobilized quantum dot fluorescence detection for rapid determination of organophosphorus pesticides in vegetables. Electrophoresis, 2010, 31, 3107-3114.	2.4	82
1056	Functionalized Selfâ€Assembled InAs/GaAs Quantumâ€Dot Structures Hybridized with Organic Molecules. Advanced Functional Materials, 2010, 20, 469-475.	14.9	12

#	Article	IF	Citations
1057	Preparation ondition Dependence of Hybrid SiO ₂ oated CdTe Nanocrystals with Intense and Tunable Photoluminescence. Advanced Functional Materials, 2010, 20, 1258-1265.	14.9	68
1058	Photonic Crystals in Bioassays. Advanced Functional Materials, 2010, 20, 2970-2988.	14.9	237
1059	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. Advanced Functional Materials, 2010, 20, 1625-1631.	14.9	272
1060	Cooperative Nearâ€Field Surface Plasmon Enhanced Quantum Dot Nanoarrays. Advanced Functional Materials, 2010, 20, 2675-2682.	14.9	28
1061	Largeâ€Area Nanoscale Patterning of Functional Materials by Nanomolding in Capillaries. Advanced Functional Materials, 2010, 20, 2519-2526.	14.9	24
1062	A Molecular Brush Approach to Enhance Quantum Yield and Suppress Nonspecific Interactions of Conjugated Polyelectrolyte for Targeted Farâ€Red/Nearâ€Infrared Fluorescence Cell Imaging. Advanced Functional Materials, 2010, 20, 2770-2777.	14.9	137
1063	Biocompatible Bright YVO ₄ :Eu Nanoparticles as Versatile Optical Bioprobes. Advanced Functional Materials, 2010, 20, 3708-3714.	14.9	151
1064	Cationic Oligofluoreneâ€Substituted Polyhedral Oligomeric Silsesquioxane as Lightâ€Harvesting Unimolecular Nanoparticle for Fluorescence Amplification in Cellular Imaging. Advanced Materials, 2010, 22, 643-646.	21.0	100
1065	Using Hydrogels to Accommodate Hydrophobic Nanoparticles in Aqueous Media via Solvent Exchange. Advanced Materials, 2010, 22, 3247-3250.	21.0	35
1066	Fluorescent Nanoparticles Based on Selfâ€Assembled <i>i; i€</i> i>â€Conjugated Systems. Advanced Materials, 2010, 22, 2985-2997.	21.0	281
1067	Conjugated Oligoelectrolyte Harnessed Polyhedral Oligomeric Silsesquioxane as Lightâ€Up Hybrid Nanodot for Twoâ€Photon Fluorescence Imaging of Cellular Nucleus. Advanced Materials, 2010, 22, 4186-4189.	21.0	95
1068	A mesoporous silica supported Hg ²⁺ chemodosimeter. AICHE Journal, 2010, 56, 2957-2964.	3.6	38
1071	Simple Biosensor with High Selectivity and Sensitivity: Thiolâ€Specific Biomolecular Probing and Intracellular Imaging by AIE Fluorogen on a TLC Plate through a Thiol–Ene Click Mechanism. Chemistry - A European Journal, 2010, 16, 8433-8438.	3.3	152
1072	Reversible Dimerization of EGFR Revealed by Singleâ€Molecule Fluorescence Imaging Using Quantum Dots. Chemistry - A European Journal, 2010, 16, 1186-1192.	3.3	75
1073	A "Neckâ€Formation―Strategy for an Antiquenching Magnetic/Upconversion Fluorescent Bimodal Cancer Probe. Chemistry - A European Journal, 2010, 16, 11254-11260.	3.3	62
1074	Ascorbic Acid Induced Enhancement of Room Temperature Phosphorescence of Sodium Tripolyphosphateâ€Capped Mnâ€Doped ZnS Quantum Dots: Mechanism and Bioprobe Applications. Chemistry - A European Journal, 2010, 16, 12988-12994.	3.3	57
1082	Peptideâ€Based Methods for the Preparation of Nanostructured Inorganic Materials. Angewandte Chemie - International Edition, 2010, 49, 1924-1942.	13.8	428
1083	Layerâ€byâ€Layer Growth of Polymer/Quantum Dot Composite Multilayers by Nucleophilic Substitution in Organic Media. Angewandte Chemie - International Edition, 2010, 49, 359-363.	13.8	54

#	Article	IF	CITATIONS
1084	Quantum Dot Biosensors for Ultrasensitive Multiplexed Diagnostics. Angewandte Chemie - International Edition, 2010, 49, 1396-1401.	13.8	263
1085	Innovative Inorganic–Organic Nanohybrid Materials: Coupling Quantum Dots to Carbon Nanotubes. Angewandte Chemie - International Edition, 2010, 49, 6425-6429.	13.8	52
1086	Reversible Gelation of II–VI Nanocrystals: The Nature of Interparticle Bonding and the Origin of Nanocrystal Photochemical Instability. Angewandte Chemie - International Edition, 2010, 49, 3661-3665.	13.8	60
1087	In Vivo Synthesis of Diverse Metal Nanoparticles by Recombinant <i>Escherichia coli</i> . Angewandte Chemie - International Edition, 2010, 49, 7019-7024.	13.8	138
1088	Fluorescent Quantum Dots as Artificial Antennas for Enhanced Light Harvesting and Energy Transfer to Photosynthetic Reaction Centers. Angewandte Chemie - International Edition, 2010, 49, 7217-7221.	13.8	167
1089	A facile approach for fabricating fluorescent cellulose. Journal of Applied Polymer Science, 2010, 117, 3639-3644.	2.6	23
1090	Highly Flexible Electronic and Optical Films Composed of Hydrophobic and Hydrophilic Multilayers. Macromolecular Chemistry and Physics, 2010, 211, 1188-1195.	2.2	2
1091	Effects of Temperature and Solvent on the Energy Transfer and ⟨i⟩β⟨/i⟩â€Phase Formation in the Iridium(III) Complexâ€Containing Polyfluorene in Solutions and as Suspended Nanoâ€Particles. Macromolecular Rapid Communications, 2010, 31, 629-633.	3.9	18
1092	Aggregationâ€Induced Emission in a Hyperbranched Poly(silylenevinylene) and Superamplification in Its Emission Quenching by Explosives. Macromolecular Rapid Communications, 2010, 31, 834-839.	3.9	93
1093	A Bioinspired Polymeric Template for 1D Assembly of Metallic Nanoparticles, Semiconductor Quantum Dots, and Magnetic Nanoparticles. Macromolecular Rapid Communications, 2010, 31, 2109-2114.	3.9	32
1094	Preparation, characterization and properties of novel covalently surface-functionalized zinc oxide nanoparticles. Applied Surface Science, 2010, 256, 4497-4501.	6.1	16
1095	Reverse micelle-derived Cu-doped Zn1?xCdxS quantum dots and their core/shell structure. Journal of Colloid and Interface Science, 2010, 341, 59-63.	9.4	24
1096	Hot-injection synthesis of highly luminescent and monodisperse CdS nanocrystals using thioacetamide and cadmium source with proper reactivity. Journal of Colloid and Interface Science, 2010, 342, 236-242.	9.4	30
1097	A versatile method for the preparation of water-soluble amphiphilic oligomer-coated semiconductor quantum dots with high fluorescence and stability. Journal of Colloid and Interface Science, 2010, 344, 279-285.	9.4	37
1098	Partitioning of hydrophobic CdSe quantum dots into aqueous dispersions of humic substances: Influence of capping-group functionality on the phase-transfer mechanism. Journal of Colloid and Interface Science, 2010, 348, 119-128.	9.4	27
1099	In situ synthesis of highly luminescent glutathione-capped CdTe/ZnS quantum dots with biocompatibility. Journal of Colloid and Interface Science, 2010, 351, 1-9.	9.4	110
1100	Hierarchical synthesis of silver nanoparticles and wires by copolymer templates and visible light. Journal of Colloid and Interface Science, 2010, 352, 81-86.	9.4	15
1101	Synthesis and luminescence properties of nanocrystalline LiF:Mg,Cu,P phosphor. Journal of Luminescence, 2010, 130, 258-265.	3.1	39

#	Article	IF	CITATIONS
1102	Assemblies of semiconductor quantum dots and light-harvesting-complex II. Journal of Luminescence, 2010, 130, 1624-1627.	3.1	9
1103	Interdot carrier transfer in semimagnetic Pb1â^'xMnxSe nanocrystals embedded in oxide glass. Journal of Luminescence, 2010, 130, 2118-2122.	3.1	13
1104	Investigation of luminescent dye-doped or rare-earth-doped monodisperse silica nanospheres for DNA microarray labelling. Optical Materials, 2010, 32, 1652-1658.	3.6	22
1105	High efficiency transport of quantum dots into plant roots with the aid of silwet L-77. Plant Physiology and Biochemistry, 2010, 48, 703-709.	5.8	46
1106	Hybrid nanocomposites of semiconductor nanoparticles and conjugated polyelectrolytes and their application as fluorescence biosensors. Polymer, 2010, 51, 902-907.	3.8	20
1107	Luminol chemiluminescence induced by silver nanoparticles in the presence of nucleophiles and Cu2+. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 215, 185-190.	3.9	14
1108	Citrate-capped quantum dots of CdSe for the selective photometric detection of silver ions in aqueous solutions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 168, 60-65.	3.5	37
1109	Functional nanoparticles for molecular imaging guided gene delivery. Nano Today, 2010, 5, 524-539.	11.9	136
1110	Selective formation of monodisperse CdSe nanoparticles on functionalized self-assembled monolayers using chemical bath deposition. Electrochimica Acta, 2010, 55, 8126-8134.	5.2	13
1111	Synthesis of new macromolecular, functionalized carboxylic-acid–PEG–DHLA surface ligands. Tetrahedron Letters, 2010, 51, 5364-5367.	1.4	2
1112	Surface modification of CdSe quantum dots for biosensing applications: Role of ligands. Thin Solid Films, 2010, 519, 1202-1212.	1.8	14
1113	Reusable polymer film chemosensor for ratiometric fluorescence sensing in aqueous media. Sensors and Actuators B: Chemical, 2010, 145, 451-456.	7.8	7 5
1114	Fluorescence single-molecule counting assays for protein quantification using epi-fluorescence microscopy with quantum dots labeling. Analytica Chimica Acta, 2010, 662, 170-176.	5 . 4	7
1115	Beyond labels: A review of the application of quantum dots as integrated components of assays, bioprobes, and biosensors utilizing optical transduction. Analytica Chimica Acta, 2010, 673, 1-25.	5.4	467
1116	Development and characterization of a magnetic bead-quantum dot nanoparticles based assay capable of Escherichia coli O157:H7 quantification. Analytica Chimica Acta, 2010, 677, 90-96.	5 . 4	46
1117	Preparation and formation mechanism of nanocomposites with fluorescent and magnetic properties. Acta Materialia, 2010, 58, 726-733.	7.9	13
1118	Formation of water-soluble gold and silver nanocrystals using a phase transfer method based on surface-bound interactions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 355, 139-145.	4.7	6
1119	Single domain antibody templated nanoparticle resistors for sensing. Biosensors and Bioelectronics, 2010, 25, 1908-1913.	10.1	14

#	Article	IF	CITATIONS
1120	QDs-DNA nanosensor for the detection of hepatitis B virus DNA and the single-base mutants. Biosensors and Bioelectronics, 2010, 25, 1934-1940.	10.1	133
1121	Solution state hybridization detection using time-resolved fluorescence anisotropy of quantum dot-DNA bioconjugates. Chemical Physics Letters, 2010, 484, 309-314.	2.6	15
1122	Synthesis of histidine-stabilized cadmium sulfide quantum dots: Study of their fluorescence behaviour in the presence of adenine and guanine. Chemical Physics Letters, 2010, 491, 75-79.	2.6	27
1123	Highly bright and photostable cyanine dye-doped silica nanoparticles for optical imaging: Photophysical characterization and cell tests. Dyes and Pigments, 2010, 84, 121-127.	3.7	89
1124	Degradation or excretion of quantum dots in mouse embryonic stem cells. BMC Biotechnology, 2010, 10, 36.	3.3	40
1125	Nucleoside conjugates of quantum dots for characterization of G protein-coupled receptors: strategies for immobilizing A2A adenosine receptor agonists. Journal of Nanobiotechnology, 2010, 8, 11.	9.1	14
1126	Optical characterization of colloidal CdSe quantum dots in endothelial progenitor cells. Journal of Nanobiotechnology, 2010, 8, 2.	9.1	20
1127	Preparation and characterization of monodisperse CdS quantum dotâ€polymer microspheres. Journal of Polymer Science Part A, 2010, 48, 751-755.	2.3	6
1129	Preparation of Stable Maleimideâ€Functionalized Au Nanoparticles and Their Use in Counting Surface Ligands. Small, 2010, 6, 1273-1278.	10.0	64
1130	Direct CdTe Quantumâ€Dotâ€Based Fluorescence Imaging of Human Serum Proteins. Small, 2010, 6, 1589-1592.	10.0	26
1131	Photocatalytic Activity of Protein onjugated CdS Nanoparticles. Small, 2010, 6, 2035-2040.	10.0	26
1132	Visualizing Resonance Energy Transfer in Supramolecular Surface Patterns of ⟨i⟩î²⟨ i⟩ Dâ€Functionalized Quantum Dot Hosts and Organic Dye Guests by Fluorescence Lifetime Imaging. Small, 2010, 6, 2870-2876.	10.0	12
1133	Dynamic Visualization of RGDâ€Quantum Dot Binding to Tumor Neovasculature and Extravasation in Multiple Living Mouse Models Using Intravital Microscopy. Small, 2010, 6, 2222-2229.	10.0	49
1134	A Multifunctional Ribonucleaseâ€A onjugated CdTe Quantum Dot Cluster Nanosystem for Synchronous Cancer Imaging and Therapy. Small, 2010, 6, 2367-2373.	10.0	63
1135	An Onâ€Nanoparticle Rolling ircle Amplification Platform for Ultrasensitive Protein Detection in Biological Fluids. Small, 2010, 6, 2520-2525.	10.0	54
1136	Ultrabright Fluorescent Mesoporous Silica Nanoparticles. Small, 2010, 6, 2314-2319.	10.0	70
1137	Quantum dots and nanocomposites. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 113-129.	6.1	152
1138	<i>In vivo</i> nearâ€infrared fluorescence imaging of cancer with nanoparticleâ€based probes. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 349-366.	6.1	190

#	Article	IF	CITATIONS
1139	Comparative Flow Cytometric Analysis of Immunofunctionalized Nanowire and Nanoparticle Signatures. Small, 2010, 6, 247-255.	10.0	32
1140	Multifunctional Silverâ€Embedded Magnetic Nanoparticles as SERS Nanoprobes and Their Applications. Small, 2010, 6, 119-125.	10.0	184
1141	Singleâ€Molecule FRET Imaging for Enzymatic Reactions at High Ligand Concentrations. Small, 2010, 6, 346-350.	10.0	28
1142	Transfer of Quantum Dots from Pregnant Mice to Pups Across the Placental Barrier. Small, 2010, 6, 670-678.	10.0	154
1143	Radiationâ€Luminescenceâ€Excited Quantum Dots for in vivo Multiplexed Optical Imaging. Small, 2010, 6, 1087-1091.	10.0	115
1144	Facile Synthesis, Silanization, and Biodistribution of Biocompatible Quantum Dots. Small, 2010, 6, 1520-1528.	10.0	39
1145	Colour-barcoded magnetic microparticles for multiplexed bioassays. Nature Materials, 2010, 9, 745-749.	27.5	351
1146	Design considerations for tumour-targeted nanoparticles. Nature Nanotechnology, 2010, 5, 42-47.	31.5	692
1147	Thiol-based, site-specific and covalent immobilization of biomolecules for single-molecule experiments. Nature Protocols, 2010, 5, 975-985.	12.0	149
1149	Organic Nanocrystals for Nanomedicine and Biophotonics. , 2010, , .		1
1150	In Vivo Cell Traffi cking by Functional Quantum Dots. The Review of Laser Engineering, 2010, 38, 447-452.	0.0	0
1151	Study on effect of peptide-conjugated near-infrared fluorescent quantum dots on the clone formation, proliferation, apoptosis, and tumorigenicity ability of human buccal squamous cell carcinoma cell line BcaCD885. International Journal of Nanomedicine, 2010, 5, 401.	6.7	18
1152	Integrated Imaging Approach to Tumor Model Mice Using Bioluminescence Imaging and Magnetic Resonance Imaging. Molecular Imaging, 2010, 9, 7290.2010.00013.	1.4	4
1153	Quantum dots in biomedical applications: advances and challenges. Journal of Nanophotonics, 2010, 4, 042503.	1.0	37
1154	THE ROLES OF PHOTOLUMINESCENT QUANTUM DOTS IN GENERATION OR DETECTION OF REACTIVE OXYGEN SPECIES: CULPRITS OR DETECTIVES?. Cosmos, 2010, 06, 149-158.	0.4	0
1155	Biocompatible water soluble quantum dots as new biophotonic tools for hematologic cells: applications for flow cell cytometry. Proceedings of SPIE, 2010, , .	0.8	1
1156	HETEROSTRUCTURED HYBRID COLLOIDAL SEMICONDUCTOR NANOCRYSTALS. Cosmos, 2010, 06, 235-245.	0.4	0
1157	Synthesis and luminescence of CePO ₄ :Tb/LaPO ₄ core/sheath nanowires. Nanotechnology, 2010, 21, 125604.	2.6	18

#	ARTICLE	IF	CITATIONS
1158	Blinking suppression of single quantum dots in agarose gel. Applied Physics Letters, 2010, 96, .	3.3	23
1159	Label-free detection of glucose based on quantum dots. , 2010, , .		0
1160	Luminescence properties of $In(Zn)P$ alloy core/ZnS shell quantum dots. Applied Physics Letters, 2010, 97, .	3.3	71
1161	Assemblies of CdSe and polyethylene glycol derivatives for fluorescent hybrid microspheres. , 2010, , .		0
1162	Nanometer positioning of single quantum dots by flow control. , 2010, , .		0
1163	COMPARATIVE ANALYSIS OF DIRECT FLUORESCENCE, ZENON LABELING, AND QUANTUM DOT NANOCRYSTAL TECHNOLOGY IN IMMUNOFLUORESCENCE STAINING. Journal of Immunoassay and Immunochemistry, 2010, 31, 250-257.	1.1	9
1164	Study of silicon quantum dots structure growth using radio frequency magnetron sputtering. , 2010, , .		0
1165	Synthesis of Ba[sub 2]Si[sub 3]O[sub 8]:Eu[sup 2+] Phosphor for Fabrication of White Light-Emitting Diodes Assisted by ZnCdSe/ZnSe Quantum Dot. Journal of the Electrochemical Society, 2010, 157, J319.	2.9	22
1167	ENGINEERING OF CELL-PENETRATING PEPTIDE-CONJUGATED INTRACELLULAR DELIVERY SYSTEMS. , 2010, , 213-243.		0
1168	Bacterial and Mineral Elements in an Arctic Biofilm: A Correlative Study Using Fluorescence and Electron Microscopy. Microscopy and Microanalysis, 2010, 16, 153-165.	0.4	20
1169	Poly(Acrylic Acid)-Ferric Hydroxide Photosensitive Self-Assembly Film. Materials Science Forum, 0, 663-665, 252-255.	0.3	1
1170	CdTe quantum dots for an application in the life sciences. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 045009.	1.5	27
1171	Trajectory control of PbSe–γ-Fe2O3nanoplatforms under viscous flow and an external magnetic field. Nanotechnology, 2010, 21, 175702.	2.6	3
1172	Covalent Conjugation of Multi-walled Carbon Nanotubes with Proteins. Methods in Molecular Biology, 2010, 625, 9-17.	0.9	12
1173	Environmental effects on photoinduced electron transfer and fluorescence blinking of single semiconducting nanocrystals in various matrices. , 2010 , , .		0
1174	In Vivo Study of the Effects of Peptide-Conjugated Near-Infrared Fluorescent Quantum Dots on the Tumorigenic and Lymphatic Metastatic Capacities of Squamous Cell Carcinoma Cell Line Tca8113 and U14. International Journal of Molecular Sciences, 2010, 11, 1413-1422.	4.1	12
1175	Preparation of Quantum Dot Bioconjugates and their Applications in Bio-Imaging. Current Pharmaceutical Biotechnology, 2010, 11, 662-671.	1.6	22
1176	Decorating multi-walled carbon nanotubes with quantum dots for construction of multi-color fluorescent nanoprobes. Nanotechnology, 2010, 21, 045606.	2.6	28

#	Article	lF	CITATIONS
1177	Fabrication of Flexible Thin Film with Pattern Structure and Macroporous Array Consisting of Nanoparticles by Electrophoretic Deposition. Japanese Journal of Applied Physics, 2010, 49, 06GH11.	1.5	0
1178	Near-infrared quantum-dot-based non-invasivein vivoimaging of squamous cell carcinoma U14. Nanotechnology, 2010, 21, 475104.	2.6	18
1179	Multifunctional nanoparticles of biodegradable copolymer blend for cancer diagnosis and treatment. Nanomedicine, 2010, 5, 347-360.	3.3	66
1180	Magnetic Nanoparticles as Both Imaging Probes and Therapeutic Agents. Current Topics in Medicinal Chemistry, 2010, 10, 1184-1197.	2.1	77
1181	Polyvalent Lactoseâ^'Quantum Dot Conjugate for Fluorescent Labeling of Live Leukocytes. Langmuir, 2010, 26, 8534-8539.	3.5	42
1182	Aggregation-Induced Emission Enhancement of Aryl-Substituted Pyrrole Derivatives. Journal of Physical Chemistry B, 2010, 114, 16731-16736.	2.6	139
1184	Controllable electrosprayed nanoparticles for quantitative characterization and exposure protocol. , 2010, , .		0
1185	Quantum Dots with Multivalent and Compact Polymer Coatings for Efficient Fluorescence Resonance Energy Transfer and Self-Assembled Biotagging. Chemistry of Materials, 2010, 22, 4372-4378.	6.7	50
1186	Surface Ligand Effects on Metal-Affinity Coordination to Quantum Dots: Implications for Nanoprobe Self-Assembly. Bioconjugate Chemistry, 2010, 21, 1160-1170.	3.6	91
1187	Glyconanoparticles. Advances in Carbohydrate Chemistry and Biochemistry, 2010, 64, 211-290.	0.9	88
1188	Î ² -Cyclodextrin as the Vehicle for Forming Ratiometric Mercury Ion Sensor Usable in Aqueous Media, Biological Fluids, and Live Cells. Langmuir, 2010, 26, 17764-17771.	3.5	67
1189	Fabrication and characterization of an inorganic gold and silica nanoparticle mediated drug delivery system for nitric oxide. Nanotechnology, 2010, 21, 305102.	2.6	48
1190	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Coreâ ⁻ 'Shell Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 7007-7013.	3.1	40
1191	Development and Use of Fluorescent Nanodiamonds as Cellular Markers. , 2010, , 127-150.		7
1192	Copper-Free Click Chemistry for Highly Luminescent Quantum Dot Conjugates: Application to <i>in Vivo</i> Metabolic Imaging. Bioconjugate Chemistry, 2010, 21, 583-588.	3.6	154
1193	Development of a Bioorthogonal and Highly Efficient Conjugation Method for Quantum Dots Using Tetrazineâ^Norbornene Cycloaddition. Journal of the American Chemical Society, 2010, 132, 7838-7839.	13.7	202
1194	Preparation of Luminescent AgInS ₂ â^'AgGaS ₂ Solid Solution Nanoparticles and Their Optical Properties. Journal of Physical Chemistry Letters, 2010, 1, 3283-3287.	4.6	75
1195	Facile synthesis of water-stable magnetite nanoparticles for clinical MRI and magnetic hyperthermia applications. Nanomedicine, 2010, 5, 1571-1584.	3.3	61

#	ARTICLE	IF	Citations
1196	Microfluidic Synthesis of Polymer and Inorganic Particulate Materials. Annual Review of Materials Research, 2010, 40, 415-443.	9.3	194
1197	Upconversion nanoparticles in biological labeling, imaging, and therapy. Analyst, The, 2010, 135, 1839.	3.5	1,278
1198	A simple method to synthesize multifunctional silica nanocomposites, NPs@SiO2, using polyvinylpyrrolidone (PVP) as a mediator. Journal of Materials Chemistry, 2010, 20, 5533.	6.7	28
1199	Surface-Ligand-Dependent Cellular Interaction, Subcellular Localization, and Cytotoxicity of Polymer-Coated Quantum Dots. Chemistry of Materials, 2010, 22, 2239-2247.	6.7	149
1200	Ultrasensitive, Multiplexed Detection of Cancer Biomarkers Directly in Serum by Using a Quantum Dot-Based Microfluidic Protein Chip. ACS Nano, 2010, 4, 488-494.	14.6	242
1201	Evolutionary Selection of New Breast Cancer Cell-Targeting Peptides and Phages with the Cell-Targeting Peptides Fully Displayed on the Major Coat and Their Effects on Actin Dynamics during Cell Internalization. Molecular Pharmaceutics, 2010, 7, 1629-1642.	4.6	58
1202	Single Quantum Dot-Based Nanosensor for Multiple DNA Detection. Analytical Chemistry, 2010, 82, 1921-1927.	6.5	162
1203	Monodispersed inorganic/organic hybrid spherical colloids: Versatile synthesis and their gas-triggered reversibly switchable wettability. Journal of Materials Chemistry, 2010, 20, 10001.	6.7	50
1204	Inorganic–Organic Hybrid Nanoparticles for Medical Applications. Advanced Structured Materials, 2010, , 85-133.	0.5	0
1205	Acoustic phonon strain induced mixing of the fine structure levels in colloidal CdSe quantum dots observed by a polarization grating technique. Journal of Chemical Physics, 2010, 132, 104506.	3.0	25
1206	Direct In Situ Hybridization with Oligonucleotide Functionalized Quantum Dot Probes. Methods in Molecular Biology, 2010, 659, 147-163.	0.9	6
1207	Combining Chemoselective Ligation with Polyhistidine-Driven Self-Assembly for the Modular Display of Biomolecules on Quantum Dots. ACS Nano, 2010, 4, 267-278.	14.6	91
1208	Quantum Dots Modulate Leukocyte Adhesion and Transmigration Depending on Their Surface Modification. Nano Letters, 2010, 10, 3656-3664.	9.1	35
1209	A facile and general approach for the multicolor tuning of lanthanide-ion doped NaYF4 upconversion nanoparticles within a fixed composition. Journal of Materials Chemistry, 2010, 20, 9113.	6.7	82
1210	Surface Plasmon Polariton Enhanced Fluorescence from Quantum Dots on Nanostructured Metal Surfaces. Nano Letters, 2010, 10, 813-820.	9.1	82
1211	Reverse-Micelle Synthesis of Electrochemically Encoded Quantum Dot Barcodes: Application to Electronic Coding of a Cancer Marker. Analytical Chemistry, 2010, 82, 1138-1141.	6.5	41
1212	Electrochemical Surface Nanopatterning Using Microspheres and Aryldiazonium. Langmuir, 2010, 26, 5991-5997.	3.5	43
1213	Enhancement of <i>In Vitro</i> Translation by Gold Nanoparticleâ^DNA Conjugates. ACS Nano, 2010, 4, 2555-2560.	14.6	57

#	Article	IF	Citations
1214	Utilizing Self-Exchange To Address the Binding of Carboxylic Acid Ligands to CdSe Quantum Dots. Journal of the American Chemical Society, 2010, 132, 10195-10201.	13.7	320
1215	Functional and Multifunctional Nanoparticles for Bioimaging and Biosensing. Langmuir, 2010, 26, 11631-11641.	3.5	295
1216	ZnSe/ZnTe(shell/shell) radial quantum-wire heterostructures: the excitonic properties. Journal Physics D: Applied Physics, 2010, 43, 272003.	2.8	3
1217	Silica-coated quantum dots and magnetic nanoparticles for bioimaging applications (Mini-Review). Biointerphases, 2010, 5, FA110-FA115.	1.6	63
1218	Peptides and Peptide Hormones for Molecular Imaging and Disease Diagnosis. Chemical Reviews, 2010, 110, 3087-3111.	47.7	300
1219	On-Chip Aptamer-Based Sandwich Assay for Thrombin Detection Employing Magnetic Beads and Quantum Dots. Analytical Chemistry, 2010, 82, 5591-5597.	6.5	170
1220	Nucleic Acid-Passivated Semiconductor Nanocrystals: Biomolecular Templating of Form and Function. Accounts of Chemical Research, 2010, 43, 173-180.	15.6	71
1221	Transfection of living HeLa cells with fluorescent poly-cytosine encapsulated Ag nanoclusters. Photochemical and Photobiological Sciences, 2010, 9, 716-721.	2.9	90
1222	Positioning and Immobilization of Individual Quantum Dots with Nanoscale Precision. Nano Letters, 2010, 10, 4673-4679.	9.1	39
1223	Compact and Versatile Nickel-Nitrilotriacetate-Modified Quantum Dots for Protein Imaging and Förster Resonance Energy Transfer Based Assay. Langmuir, 2010, 26, 7327-7333.	3.5	22
1224	The Effect of Irradiation Wavelength on the Quality of CdS Nanocrystals Formed Directly into PMMA Matrix. Journal of Physical Chemistry C, 2010, 114, 13985-13990.	3.1	19
1225	Photoluminescence of Colloidal CdSe/ZnS Quantum Dots: The Critical Effect of Water Molecules. Journal of Physical Chemistry C, 2010, 114, 12069-12077.	3.1	120
1226	A positively charged QDs-based FRET probe for micrococcal nuclease detection. Analyst, The, 2010, 135, 2394.	3.5	51
1227	Manipulating Quantum Dots to Nanometer Precision by Control of Flow. Nano Letters, 2010, 10, 2525-2530.	9.1	54
1228	Quantum-Dot-Decorated Robust Transductable Bioluminescent Nanocapsules. Journal of the American Chemical Society, 2010, 132, 12780-12781.	13.7	61
1229	Peptide-Based Probes for Targeted Molecular Imaging. Biochemistry, 2010, 49, 1364-1376.	2.5	269
1230	Surface Plasmon Enhanced Fluorescence of Cationic Conjugated Polymer on Periodic Nanoarrays. ACS Applied Materials & District Samp; Interfaces, 2010, 2, 3153-3159.	8.0	14
1231	Facile Assembly of Size- and Shape-Tunable IVâ^²VI Nanocrystals into Superlattices. Langmuir, 2010, 26, 19129-19135.	3.5	23

#	Article	IF	Citations
1232	Multivariable Response of Semiconductor Nanocrystal-Dye Sensors: The Case of pH. Journal of Physical Chemistry C, 2010, 114, 21348-21352.	3.1	21
1233	Characterization of Non-Equilibrium Nanoparticle Adsorption on a Model Biological Substrate. Langmuir, 2010, 26, 4822-4830.	3.5	15
1234	Delivering quantum dot-peptide bioconjugates to the cellular cytosol: escaping from the endolysosomal system. Integrative Biology (United Kingdom), 2010, 2, 265.	1.3	124
1235	Bioconjugation of Hydroxylated Semiconductor Nanocrystals and Background-Free Biomolecule Detection. Bioconjugate Chemistry, 2010, 21, 1305-1311.	3.6	10
1236	Synthesis and Characterization of Near-Infrared Cuâ^'Inâ^'Se/ZnS Core/Shell Quantum Dots for In vivo Imaging. Chemistry of Materials, 2010, 22, 6117-6124.	6.7	167
1237	Nuclear Magnetic Resonance Spectroscopy Demonstrating Dynamic Stabilization of CdSe Quantum Dots by Alkylamines. Journal of Physical Chemistry Letters, 2010, 1, 2577-2581.	4.6	102
1238	Photoluminescence Properties of the CdSe Quantum Dots Accompanied with Rotation of the Defocused Wide-Field Fluorescence Images. Journal of Physical Chemistry C, 2010, 114, 13427-13432.	3.1	21
1239	Fabrication and Characterization of Quantum Dot-Based Optical Fiber Temperature Sensor. Molecular Crystals and Liquid Crystals, 2010, 519, 62-68.	0.9	6
1240	Quantitative Multiplex Detection of Pathogen Biomarkers on Multichannel Waveguides. Analytical Chemistry, 2010, 82, 136-144.	6.5	48
1241	Quantum Dot DNA Bioconjugates: Attachment Chemistry Strongly Influences the Resulting Composite Architecture. ACS Nano, 2010, 4, 7253-7266.	14.6	141
1242	Multifunctional Conjugates To Prepare Nucleolar-Targeting CdS Quantum Dots. Journal of the American Chemical Society, 2010, 132, 8627-8634.	13.7	48
1243	Microbubbles Loaded with Nanoparticles: A Route to Multiple Imaging Modalities. ACS Nano, 2010, 4, 6579-6586.	14.6	124
1244	Ligand Effects on Synthesis and Post-Synthetic Stability of PbSe Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 16160-16167.	3.1	39
1245	Understanding Ligand Distributions in Modified Particle and Particlelike Systems. Journal of the American Chemical Society, 2010, 132, 16593-16598.	13.7	55
1246	Multiplexed Interfacial Transduction of Nucleic Acid Hybridization Using a Single Color of Immobilized Quantum Dot Donor and Two Acceptors in Fluorescence Resonance Energy Transfer. Analytical Chemistry, 2010, 82, 400-405.	6.5	56
1247	NAC-Capped Quantum Dot as Nuclear Staining Agent for Living Cells via an In Vivo Steering Strategy. Journal of Physical Chemistry C, 2010, 114, 6216-6221.	3.1	24
1248	TEMED Enhanced Photoluminescent Imaging Detection of Proteins in Human Serum Using Quantum Dots after PAGE. Journal of Proteome Research, 2010, 9, 5574-5581.	3.7	7
1249	Single-Pot Biofabrication of Zinc Sulfide Immuno-Quantum Dots. Journal of the American Chemical Society, 2010, 132, 4731-4738.	13.7	52

#	Article	IF	CITATIONS
1250	Thermally Triggered Cellular Uptake of Quantum Dots Immobilized with Poly(<i>N</i> -isopropylacrylamide) and Cell Penetrating Peptide. Langmuir, 2010, 26, 14965-14969.	3.5	48
1251	Pyrenebutyrate Leads to Cellular Binding, Not Intracellular Delivery, of Polyarginine Quantum Dots. Journal of Physical Chemistry Letters, 2010, 1, 1312-1315.	4.6	30
1252	Evaluation of the Bioconjugation Efficiency of Different Quantum Dots as Probes for Immunostaining Tumor-Marker Proteins. Applied Spectroscopy, 2010, 64, 847-854.	2.2	10
1253	Biology on the NanoscaleBiology on the nanoscale. , 2010, , 527-614.		0
1254	Functional nanoprobes for ultrasensitive detection of biomolecules. Chemical Society Reviews, 2010, 39, 4234.	38.1	539
1255	One-Step Synthesis of Highly Luminescent Carbon Dots in Noncoordinating Solvents. Chemistry of Materials, 2010, 22, 4528-4530.	6.7	367
1256	Bifunctional Multidentate Ligand Modified Highly Stable Water-Soluble Quantum Dots. Inorganic Chemistry, 2010, 49, 3768-3775.	4.0	95
1257	Responsive Polymers for Detection and Sensing Applications: Current Status and Future Developments. Macromolecules, 2010, 43, 8315-8330.	4.8	546
1258	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. Optics Express, 2010, 18, 23544.	3.4	77
1259	Enhancing the conversion efficiency of red emission by spin-coating CdSe quantum dots on the green nanorod light-emitting diode. Optics Express, 2010, 18, A554.	3.4	21
1260	Anisotropic nanocrystal heterostructures: Synthesis and lattice strain. Current Opinion in Solid State and Materials Science, 2010, 14, 83-94.	11.5	30
1261	Solid phase single-molecule counting of antibody binding to supported protein layers surface with low nonspecific adsorption. Talanta, 2010, 82, 1003-1009.	5.5	4
1262	Cadmium-Free CulnS ₂ /ZnS Quantum Dots for Sentinel Lymph Node Imaging with Reduced Toxicity. ACS Nano, 2010, 4, 2531-2538.	14.6	491
1263	Superparamagnetic iron oxide nanoparticle †theranostics†for multimodality tumor imaging, gene delivery, targeted drug and prodrug delivery. Expert Review of Clinical Pharmacology, 2010, 3, 117-130.	3.1	37
1264	Effective Enlargement of Fluorescence Resonance Energy Transfer of Poly-Porphyrin Mediated by Î ² -Cyclodextrin Dimers. Journal of Organic Chemistry, 2010, 75, 3600-3607.	3.2	61
1265	Single-molecule, single-particle fluorescence imaging of TiO2-based photocatalytic reactions. Chemical Society Reviews, 2010, 39, 4802.	38.1	159
1266	Synthesis of highly luminescent Mn:ZnSe/ZnS nanocrystals in aqueous media. Nanotechnology, 2010, 21, 305604.	2.6	47
1267	Cyclodextrin Supramolecular Complex as a Water-Soluble Ratiometric Sensor for Ferric Ion Sensing. Langmuir, 2010, 26, 4529-4534.	3.5	141

#	ARTICLE	IF	CITATIONS
1268	A quantum dot-based ratiometric pH sensor. Chemical Communications, 2010, 46, 2408.	4.1	142
1269	Safe, stable and effective nanotechnology: phase mapping of ZnS nanoparticles. Journal of Materials Chemistry, 2010, 20, 4971.	6.7	61
1270	Delivering quantum dots to cells: bioconjugated quantum dots for targeted and nonspecific extracellular and intracellular imaging. Chemical Society Reviews, 2010, 39, 3031.	38.1	338
1271	Designing multifunctional quantum dots for bioimaging, detection, and drug delivery. Chemical Society Reviews, 2010, 39, 4326.	38.1	866
1272	Water-Based Route to Colloidal Mn-Doped ZnSe and Core/Shell ZnSe/ZnS Quantum Dots. Inorganic Chemistry, 2010, 49, 10940-10948.	4.0	107
1273	Cysteine-Functionalized Polyaspartic Acid: A Polymer for Coating and Bioconjugation of Nanoparticles and Quantum Dots. Langmuir, 2010, 26, 6503-6507.	3.5	37
1274	Quantum dots decorated with pathogen associated molecular patterns as fluorescent synthetic pathogen models. Molecular BioSystems, 2010, 6, 1572.	2.9	7
1275	Highly Stable Dextran-Coated Quantum Dots for Biomolecular Detection and Cellular Imaging. Chemistry of Materials, 2010, 22, 6361-6369.	6.7	34
1276	Near-infrared quantum dots: synthesis, functionalization and analytical applications. Analyst, The, 2010, 135, 1867.	3.5	141
1277	Nanoparticles functionalised with reversible molecular and supramolecular switches. Chemical Society Reviews, 2010, 39, 2203.	38.1	484
1278	Quantum dot-based theranostics. Nanoscale, 2010, 2, 60-68.	5.6	240
1279	Rapid Covalent Ligation of Fluorescent Peptides to Water Solubilized Quantum Dots. Journal of the American Chemical Society, 2010, 132, 10027-10033.	13.7	78
1280	Novel Fluorescent pH Sensors and a Biological Probe Based on Anthracene Derivatives with Aggregation-Induced Emission Characteristics. Langmuir, 2010, 26, 6838-6844.	3.5	156
1281	Advances in Coating Chemistry in Deriving Soluble Functional Nanoparticle. Journal of Physical Chemistry C, 2010, 114, 11009-11017.	3.1	89
1282	Organ distribution of quantum dots after intraperitoneal administration, with special reference to area-specific distribution in the brain. Nanotechnology, 2010, 21, 335103.	2.6	42
1283	Fluorescent Silica Nanoparticles for Cancer Imaging. Methods in Molecular Biology, 2010, 624, 151-162.	0.9	30
1284	Correlation between the Photoluminescence and Oriented Attachment Growth Mechanism of CdS Quantum Dots. Journal of the American Chemical Society, 2010, 132, 9528-9530.	13.7	54
1285	Blinking Suppression in CdSe/ZnS Single Quantum Dots by TiO ₂ Nanoparticles. ACS Nano, 2010, 4, 4445-4454.	14.6	75

#	Article	IF	CITATIONS
1286	GABACReceptor Binding of Quantum-Dot Conjugates of Variable Ligand Valency. Bioconjugate Chemistry, 2010, 21, 1455-1464.	3.6	15
1287	Comparative photoluminescence study of close-packed and colloidal InP/ZnS quantum dots. Applied Physics Letters, 2010, 96, 073102.	3.3	44
1288	Dithiocarbamates as Capping Ligands for Water-Soluble Quantum Dots. ACS Applied Materials & Interfaces, 2010, 2, 3384-3395.	8.0	55
1289	5-(Dimethylamino)-N-(4-ethynylphenyl)-1-naphthalenesulfonamide as a novel bifunctional antitumor agent and two-photon induced bio-imaging probe. Chemical Communications, 2010, 46, 3538.	4.1	23
1290	Optical properties of II-VI colloidal quantum dot doped porous silicon microcavities. Applied Physics Letters, 2010, 96, 161106.	3.3	42
1291	Modification of Poly(ethylene glycol)-Capped Quantum Dots with Nickel Nitrilotriacetic Acid and Self-Assembly with Histidine-Tagged Proteins. Journal of Physical Chemistry C, 2010, 114, 13526-13531.	3.1	43
1293	DNA-incorporating nanomaterials in biotechnological applications. Nanomedicine, 2010, 5, 319-334.	3.3	30
1294	Cancer Nanotechnology. Methods in Molecular Biology, 2010, , .	0.9	32
1295	CdSe/ZnS Quantum Dots-G-Quadruplex/Hemin Hybrids as Optical DNA Sensors and Aptasensors. Analytical Chemistry, 2010, 82, 7073-7077.	6.5	142
1296	Uniform Mesoporous Dye-Doped Silica Nanoparticles Decorated with Multiple Magnetite Nanocrystals for Simultaneous Enhanced Magnetic Resonance Imaging, Fluorescence Imaging, and Drug Delivery. Journal of the American Chemical Society, 2010, 132, 552-557.	13.7	687
1297	Fabrication of near-infrared-emitting CdSeTe/ZnS core/shell quantum dots and their electrogenerated chemiluminescence. Chemical Communications, 2010, 46, 2974.	4.1	93
1298	Combination of quantum dot fluorescence with enzyme chemiluminescence for multiplexed detection of lung cancer biomarkers. Analytical Methods, 2010, 2, 1236.	2.7	31
1299	Silicaâ^'Polymer Dual Layer-Encapsulated Quantum Dots with Remarkable Stability. ACS Nano, 2010, 4, 6080-6086.	14.6	147
1300	Solution synthesis of high-quality CulnS2 quantum dots as sensitizers for TiO2 photoelectrodes. Journal of Materials Chemistry, 2010, 20, 3656.	6.7	175
1301	Highly Fluorescent CdTe@SiO ₂ Particles Prepared via Reverse Microemulsion Method. Chemistry of Materials, 2010, 22, 420-427.	6.7	107
1302	Self-Assembly of CdTe Tetrapods into Network Monolayers at the Air/Water Interface. ACS Nano, 2010, 4, 2043-2050.	14.6	36
1303	Multiplexed protein detection using antibody-conjugated microbead arrays in a microfabricated electrophoretic device. Lab on A Chip, 2010, 10, 3084.	6.0	36
1304	Toxicity Evaluation of Quantum Dots to Microorganisms: A Toxicity Assessment of CdTe/ZnS Core/Shell Quantum Dots with Escherichia coli. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering. 2010	0.0	0

#	ARTICLE	IF	CITATIONS
1305	Interactions between a colloidal CdTe quantum dot and distinct functionalizer compounds. , 2010, , .		0
1306	A simple fluorescent strategy for in situ evaluation of cell surface carbohydrate with a quantum dot–lectin nanoprobe. Analyst, The, 2010, 135, 1906.	3.5	16
1307	Characterization of the effect of physiological cations on quantum dots by using single-particle detection. Analyst, The, 2010, 135, 2355.	3.5	4
1308	CdSe Quantum Dots for Two-Photon Fluorescence Thermal Imaging. Nano Letters, 2010, 10, 5109-5115.	9.1	276
1309	Ligand Exchange Approach in Deriving Magneticâ [^] Fluorescent and Magneticâ [^] Plasmonic Hybrid Nanoparticle. Langmuir, 2010, 26, 4351-4356.	3.5	29
1311	Fluorogenic assay and live cell imaging of HIV-1 protease activity using acid-stable quantum dot‰ peptide complex. Chemical Communications, 2010, 46, 9146.	4.1	29
1312	Time-resolved photoluminescence study of ^{CulnS} ₂ / ^{ZnS} nanocrystals. Journal of Family Business Management, 2010, 1, 025007.	3.4	36
1313	Fast Regeneration of CdSe Quantum Dots by Ru Dye in Sensitized TiO2 Electrodes. Journal of Physical Chemistry C, 2010, 114, 6755-6761.	3.1	43
1314	Shell and ligand-dependent blinking of CdSe-based core/shell nanocrystals. Physical Chemistry Chemical Physics, 2010, 12, 9312.	2.8	41
1315	Biologically programmed synthesis of core-shell CdSe/ZnS nanocrystals. Chemical Communications, 2010, 46, 1473.	4.1	31
1316	Stem cell labeling for noninvasive delivery and tracking in cardiovascular regenerative therapy. Expert Review of Cardiovascular Therapy, 2010, 8, 1149-1160.	1.5	31
1317	Antibody–ProteinA conjugated quantum dots for multiplexed imaging of surface receptors in living cells. Molecular BioSystems, 2010, 6, 2325.	2.9	48
1318	Quantum dot probes for observation of single molecule DNA and a synthetic polyelectrolyte higher-order structure. Soft Matter, 2010, 6, 2834.	2.7	9
1319	Preparation of Fluorescence Tunable Polymer Nanoparticles by One-step Mini-emulsion. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1135-1141.	2.2	6
1320	<i>In vivo</i> molecular imaging using nanomaterials: General <i>in vivo</i> characteristics of nano-sized reagents and applications for cancer diagnosis (Review). Molecular Membrane Biology, 2010, 27, 274-285.	2.0	65
1321	Nanosized diblock copolymer micelles as a scaffold for constructing a ratiometric fluorescent sensor for metal ion detection in aqueous media. Nanotechnology, 2010, 21, 195501.	2.6	48
1322	Functionalization of manganite nanoparticles and their interaction with biologically relevant small ligands: Picosecond time-resolved FRET studies. Nanoscale, 2010, 2, 2704.	5.6	44
1323	Environmentally responsive nanoparticle-based luminescent optical resonators. Nanoscale, 2010, 2, 936.	5. 6	24

#	Article	IF	Citations
1324	Magnetic bead based assay for C-reactive protein using quantum-dot fluorescence labeling and immunoaffinity separation. Analyst, The, 2010, 135, 381-389.	3.5	55
1325	Molecular beacon–quantum dot–Au nanoparticle hybrid nanoprobes for visualizing virus replication in living cells. Chemical Communications, 2010, 46, 3914.	4.1	72
1326	Microparticle ratiometric oxygen sensors utilizing near-infrared emitting quantum dots. Analyst, The, 2011, 136, 962-967.	3.5	34
1327	Enhancement of sortase A-mediated protein ligation by inducing a \hat{l}^2 -hairpin structure around the ligation site. Chemical Communications, 2011, 47, 4742.	4.1	55
1328	Synthesis of cationic quantum dots via a two-step ligand exchange process. Chemical Communications, 2011, 47, 3069.	4.1	32
1329	Materials design using genetically engineered proteins. Journal of Materials Chemistry, 2011, 21, 18868.	6.7	20
1330	Synthesis of size-tunable photoluminescent aqueous CdSe/ZnS microspheres via a phase transfer method with amphiphilic oligomer and their application for detection of HCG antigen. Journal of Materials Chemistry, 2011, 21, 7393.	6.7	52
1331	Fluorescence signal transduction mechanism for immunoassay based on zinc ion release from ZnS nanocrystals. Analyst, The, 2011, 136, 2975.	3.5	8
1332	Phosphine-free synthesis of Zn1â^'xCdxSe/ZnSe/ZnSexS1â^'x/ZnS core/multishell structures with bright and stable blueâ€"green photoluminescence. Journal of Materials Chemistry, 2011, 21, 6046.	6.7	52
1333	Protease sensing with nanoparticle based platforms. Analyst, The, 2011, 136, 29-41.	3.5	61
1334	A sensitive and selective quantum dots-based FRET biosensor for the detection of cancer marker type IV collagenase. Analytical Methods, 2011, 3, 1797.	2.7	31
1335	CdSe Coreâ^'Shell Nanoparticles as Active Materials for Up-Converted Emission. Journal of Physical Chemistry C, 2011, 115, 3840-3846.	3.1	16
1336	Low-Temperature Approach to High-Yield and Reproducible Syntheses of High-Quality Small-Sized PbSe Colloidal Nanocrystals for Photovoltaic Applications. ACS Applied Materials & Samp; Interfaces, 2011, 3, 553-565.	8.0	54
1337	Molecular imaging of cell-based cancer immunotherapy. Molecular BioSystems, 2011, 7, 993.	2.9	30
1338	Water-soluble phosphorescent iridium(iii) complexes as multicolor probes for imaging of homocysteine and cysteine in living cells. Journal of Materials Chemistry, 2011, 21, 18974.	6.7	107
1339	Solvatochromic dissociation of non-covalent fluorescent organic nanoparticles upon cell internalization. Physical Chemistry Chemical Physics, 2011, 13, 13268.	2.8	31
1340	Fabrication of quantum dot-based photonic materials from small to large via interfacial self-assembly. Journal of Materials Chemistry, 2011, 21, 8496.	6.7	13
1341	Bead-Based Optical Immunoassay Using Quantum-Dot Labeling and Immunocomplex Dissociation for Detection of <i>Escherichia coli O157:H7 </i> Analytical Letters, 2011, 44, 874-884.	1.8	2

#	Article	IF	CITATIONS
1342	Strong polyelectrolyte quantum dot surface for stable bioconjugation and layer-by-layer assembly applications. Chemical Communications, 2011, 47, 1758-1760.	4.1	33
1343	Inhomogeneous composition of alloyed iron–platinum magnetic nanoparticles synthesized at low temperature. Journal of Materials Chemistry, 2011, 21, 3646.	6.7	9
1344	Fluorescent Identification and Detection of Staphylococcus aureus with Carboxymethyl Chitosan/CdS Quantum Dots Bioconjugates. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 1881-1893.	3.5	22
1345	Bioactive materials and nanotechnology. , 2011, , 50-69.		0
1346	Quantitative analysis of condensation/decondensation status of pDNA in the nuclear sub-domains by QD-FRET. Nucleic Acids Research, 2011, 39, e48-e48.	14.5	29
1347	Multifunctional Compact Zwitterionic Ligands for Preparing Robust Biocompatible Semiconductor Quantum Dots and Gold Nanoparticles. Journal of the American Chemical Society, 2011, 133, 9480-9496.	13.7	276
1348	A Fluorescence Displacement Assay for Antidepressant Drug Discovery Based on Ligand-Conjugated Quantum Dots. Journal of the American Chemical Society, 2011, 133, 17528-17531.	13.7	29
1349	Engineering Monovalent Quantum Dotâ^'Antibody Bioconjugates with a Hybrid Gel System. Bioconjugate Chemistry, 2011, 22, 510-517.	3.6	36
1350	Simultaneous Detection of Multiple Biomarkers with over Three Orders of Concentration Difference Using Phase Change Nanoparticles. Analytical Chemistry, 2011, 83, 2215-2219.	6.5	28
1351	Controlling Electron Trap Depth To Enhance Optical Properties of Persistent Luminescence Nanoparticles for In Vivo Imaging. Journal of the American Chemical Society, 2011, 133, 11810-11815.	13.7	348
1352	Comparative tissue distributions of cadmium chloride and cadmium-based quantum dot 705 in mice: Safety implications and applications. Nanotoxicology, 2011, 5, 91-97.	3.0	22
1353	Fabrication of All-Inorganic Nanocrystal Solids through Matrix Encapsulation of Nanocrystal Arrays. Journal of the American Chemical Society, 2011, 133, 20488-20499.	13.7	50
1354	Facile consecutive solvothermal growth of highly fluorescent InP/ZnS core/shell quantum dots using a safer phosphorus source. Nanotechnology, 2011, 22, 235605.	2.6	26
1355	Peptide-Mediated Constructs of Quantum Dot Nanocomposites for Enzymatic Control of Nonradiative Energy Transfer. Nano Letters, 2011, 11, 1530-1539.	9.1	38
1356	Exciton Polariton Contribution to the Stokes Shift in Colloidal Quantum Dots. Journal of Physical Chemistry C, 2011, 115, 5286-5293.	3.1	14
1357	Emerging bio-sensing methods for mycotoxin analysis. , 2011, , 359-384.		4
1358	Preserving Charge and Oxidation State of Au(III) Ions in an Agent-Functionalized Nanocrystal Model System. ACS Nano, 2011, 5, 6480-6486.	14.6	26
1359	Multifunctional Colloids with Optical, Magnetic, and Superhydrophobic Properties Derived from Nucleophilic Substitution-Induced Layer-by-Layer Assembly in Organic Media. ACS Nano, 2011, 5, 5417-5426.	14.6	72

#	Article	IF	CITATIONS
1360	Self-assembly of superparamagnetic nanoparticles. Journal of Materials Research, 2011, 26, 111-121.	2.6	21
1361	Probing Intracellular Biomarkers and Mediators of Cell Activation Using Nanosensors and Bioorthogonal Chemistry. ACS Nano, 2011, 5, 3204-3213.	14.6	67
1363	A comparative density functional theory investigation of the mechanical and energetic properties of ZnS. Molecular Simulation, 2011, 37, 321-333.	2.0	9
1364	Immuno-Surface-Enhanced Coherent Anti-Stokes Raman Scattering Microscopy: Immunohistochemistry with Target-Specific Metallic Nanoprobes and Nonlinear Raman Microscopy. Analytical Chemistry, 2011, 83, 7081-7085.	6.5	38
1365	Energy transfer between CdS quantum dots and Au nanoparticles in photoelectrochemical detection. Chemical Communications, 2011, 47, 10990.	4.1	177
1366	Preparation of Rhodamine B Fluorescent Poly(methacrylic acid) Coated Gelatin Nanoparticles. Journal of Nanomaterials, 2011, 2011, 1-8.	2.7	25
1367	Emission Wavelength Prediction of a Full-Color-Tunable Fluorescent Core Skeleton, 9-Aryl-1,2-dihydropyrrolo[3,4- <i>b</i>) indolizin-3-one. Journal of the American Chemical Society, 2011, 133, 6642-6649.	13.7	177
1368	Large-Scale Synthesis of Bioinert Tantalum Oxide Nanoparticles for X-ray Computed Tomography Imaging and Bimodal Image-Guided Sentinel Lymph Node Mapping. Journal of the American Chemical Society, 2011, 133, 5508-5515.	13.7	316
1369	Conjugated Polymer Loaded Nanospheres with Surface Functionalization for Simultaneous Discrimination of Different Live Cancer Cells under Single Wavelength Excitation. Analytical Chemistry, 2011, 83, 2125-2132.	6.5	52
1370	Method for Determining the Elemental Composition and Distribution in Semiconductor Coreâ ³ Shell Quantum Dots. Analytical Chemistry, 2011, 83, 866-873.	6.5	41
1371	Direct Attachment of Oligonucleotides to Quantum Dot Interfaces. Chemistry of Materials, 2011, 23, 4975-4981.	6.7	41
1372	Integrated Biomolecule–Quantum Dot Hybrid Systems for Bioanalytical Applications. Journal of Physical Chemistry Letters, 2011, 2, 2667-2677.	4.6	54
1373	The one-pot synthesis of core/shell/shell CdTe/CdSe/ZnSe quantum dots in aqueous media for in vivo deep tissue imaging. Journal of Materials Chemistry, 2011, 21, 2877.	6.7	39
1374	Quantum Dot Labeling of Butyrylcholinesterase Maintains Substrate and Inhibitor Interactions and Cell Adherence Features. ACS Chemical Neuroscience, 2011, 2, 141-150.	3.5	19
1375	Preferential Binding of a Novel Polyhistidine Peptide Dendrimer Ligand on Quantum Dots Probed by Capillary Electrophoresis. Analytical Chemistry, 2011, 83, 6323-6329.	6.5	66
1376	Differential Expression of Syndecan-1 Mediates Cationic Nanoparticle Toxicity in Undifferentiated versus Differentiated Normal Human Bronchial Epithelial Cells. ACS Nano, 2011, 5, 2756-2769.	14.6	86
1377	The photoluminescent graphene oxide serves as an acceptor rather than a donor in the fluorescence resonance energy transfer pair of Cy3.5–graphene oxide. Chemical Communications, 2011, 47, 12149.	4.1	41
1378	Fluorescence Properties of Hydrophilic Semiconductor Nanoparticles with Tridentate Polyethylene Oxide Ligands. ACS Nano, 2011, 5, 4965-4973.	14.6	33

#	Article	IF	Citations
1379	Silica-Coated S ^{2â€"} -Enriched Manganese-Doped ZnS Quantum Dots as a Photoluminescence Probe for Imaging Intracellular Zn ²⁺ Ions. Analytical Chemistry, 2011, 83, 8239-8244.	6.5	66
1381	The Assembly State between Magnetic Nanosensors and Their Targets Orchestrates Their Magnetic Relaxation Response. Journal of the American Chemical Society, 2011, 133, 3668-3676.	13.7	47
1382	Dielectric Confinement Effect on Calculating the Band Gap of PbSe Quantum Dots. Chinese Journal of Chemical Physics, 2011, 24, 162-166.	1.3	3
1383	A Modular Phase Transfer and Ligand Exchange Protocol for Quantum Dots. Langmuir, 2011, 27, 4371-4379.	3.5	62
1384	Fluorescent features of CdTe nanorods grafted to graphene oxide through an amidation process. Journal of Materials Chemistry, 2011, 21, 11283.	6.7	27
1385	Observation of Inverted Regime Electron Transfer in CdSe/ZnS QDs from pH-Sensitive Single-Particle and Ensemble Fluorescence Measurements. Journal of Physical Chemistry C, 2011, 115, 13977-13984.	3.1	8
1386	Single-Photon Emission Behavior of Isolated CdSe/ZnS Quantum Dots Interacting with the Localized Surface Plasmon Resonance of Silver Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 23299-23304.	3.1	60
1387	Formation of Molecular Monolayers on TiO ₂ Surfaces: A Surface Analogue of the Williamson Ether Synthesis. Langmuir, 2011, 27, 6879-6889.	3.5	26
1388	Effect of Surface States on Charge-Transfer Dynamics in Type II CdTe/ZnTe Core–Shell Quantum Dots: A Femtosecond Transient Absorption Study. Journal of Physical Chemistry C, 2011, 115, 12335-12342.	3.1	38
1389	Sensitive and Specific DNA Detection Based on Nicking Endonuclease-Assisted Fluorescence Resonance Energy Transfer Amplification. Journal of Physical Chemistry C, 2011, 115, 16315-16321.	3.1	45
1390	Unique Temperature Dependence and Blinking Behavior of CdTe/CdSe (Core/Shell) Type-II Quantum Dots. Journal of Physical Chemistry C, 2011, 115, 436-442.	3.1	58
1391	Assembly Kinetics of Nanocrystals via Peptide Hybridization. Langmuir, 2011, 27, 4867-4872.	3. 5	10
1392	Quantifying the degradation of extracellular polysaccharides of Escherichia coli by CdS quantum dots. Journal of Materials Chemistry, 2011, 21, 13445.	6.7	20
1393	Fabrication of Novel Polymer Nanoparticle-Based Fluorescence Resonance Energy Transfer Systems and their Tunable Fluorescence Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 219-226.	2.2	10
1394	On the Design of Composite Protein–Quantum Dot Biomaterials via Self-Assembly. Biomacromolecules, 2011, 12, 3629-3637.	5.4	26
1395	Fluorescence diffuse optical tomography: Time-resolved versus continuous-wave in the reflectance configuration. Irbm, 2011, 32, 243-250.	5.6	10
1396	CdTe and CdSe Quantum Dots Cytotoxicity: A Comparative Study on Microorganisms. Sensors, 2011, 11, 11664-11678.	3.8	68
1398	Cancer-Targeted Optical Imaging with Fluorescent Zinc Oxide Nanowires. Nano Letters, 2011, 11, 3744-3750.	9.1	199

#	Article	IF	CITATIONS
1399	Challenges and Prospects of Electronic Doping of Colloidal Quantum Dots: Case Study of CdSe. Journal of Physical Chemistry Letters, 2011, 2, 2783-2789.	4.6	61
1400	Multifunctional Mesoporous Silica Nanocomposite Nanoparticles for Theranostic Applications. Accounts of Chemical Research, 2011, 44, 893-902.	15.6	676
1401	Enzyme-Polymers Conjugated to Quantum-Dots for Sensing Applications. Sensors, 2011, 11, 9951-9972.	3.8	36
1402	Bioaccumulation and Effects of CdTe/CdS Quantum Dots on <i>Chlamydomonas reinhardtii</i> – Nanoparticles or the Free Ions?. Environmental Science &	10.0	111
1403	Biological Applications of Rare-Earth Based Nanoparticles. ACS Nano, 2011, 5, 8488-8505.	14.6	522
1404	Water-Soluble Chitosan-Quantum Dot Hybrid Nanospheres toward Bioimaging and Biolabeling. ACS Applied Materials & Dividing and Biolabeling. ACS	8.0	67
1405	Nanocrystal Synthesis., 2011, , 153-201.		25
1406	Characterization of the Organic Ligand Shell of Semiconductor Quantum Dots by Fluorescence Quenching Experiments. ACS Nano, 2011, 5, 8115-8123.	14.6	42
1407	Quantum dot-loaded PEGylated poly(alkyl cyanoacrylate) nanoparticles for in vitro and in vivo imaging. Soft Matter, 2011, 7, 6187.	2.7	23
1408	Synthesis, Electrochemistry, and Electrogenerated Chemiluminescence of Azide-BTA, a D–Aâ^'π–A–D Species with Benzothiadiazole and N,N-Diphenylaniline, and Its Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 14960-14968.	3.1	18
1409	Zebrafish as a good vertebrate model for molecular imaging using fluorescent probes. Chemical Society Reviews, 2011, 40, 2120.	38.1	217
1410	Gold nanoparticle probes for the detection of mercury, lead and copper ions. Analyst, The, 2011, 136, 863-871.	3.5	353
1411	Surface-biofunctionalized multicore/shell CdTe@SiO ₂ composite particles for immunofluorescence assay. Nanotechnology, 2011, 22, 505104.	2.6	18
1412	Study on protein conformation and adsorption behaviors in nanodiamond particle–protein complexes. Nanotechnology, 2011, 22, 145703.	2.6	64
1413	Principles of conjugating quantum dots to proteins via carbodiimide chemistry. Nanotechnology, 2011, 22, 494006.	2.6	44
1414	Surface-enhanced Raman scattering-active nanostructures and strategies for bioassays. Nanomedicine, 2011, 6, 1463-1480.	3.3	127
1415	Intracellular Protein Target Detection by Quantum Dots Optimized for Live Cell Imaging. Bioconjugate Chemistry, 2011, 22, 1576-1586.	3.6	49
1416	Biotemplated Semiconductor Nanocrystals. , 2011, , 259-264.		1

#	Article	IF	Citations
1417	Reactive Semiconductor Nanocrystals for Chemoselective Biolabeling and Multiplexed Analysis. ACS Nano, 2011, 5, 5579-5593.	14.6	80
1418	Full Assessment of Fate and Physiological Behavior of Quantum Dots Utilizing <i>Caenorhabditis elegans</i> as a Model Organism. Nano Letters, 2011, 11, 3174-3183.	9.1	212
1419	Manipulating the Power of an Additional Phase: A Flower-like Auâ^'Fe ₃ O ₄ Optical Nanosensor for Imaging Protease Expressions <i>In vivo</i> . ACS Nano, 2011, 5, 3043-3051.	14.6	98
1420	Development of a Stable Dual Functional Coating with Low Non-specific Protein Adsorption and High Sensitivity for New Superparamagnetic Nanospheres. Langmuir, 2011, 27, 13669-13674.	3.5	34
1421	Probing Near-Infrared Quantum Dots for Imaging and Biomedical Applications. Advanced Materials Research, 2011, 345, 3-11.	0.3	1
1422	Conjugation of quantum dots with graphene for fluorescence imaging of live cells. Analyst, The, 2011, 136, 4277.	3.5	80
1423	Emerging applications for vertical cavity surface emitting lasers. Semiconductor Science and Technology, 2011, 26, 014010.	2.0	38
1424	Functionalization and Solubilization of Carbon and Inorganic Nanostructures. , 2011, , 445-490.		4
1425	Aqueous, Protein-Driven Synthesis of Transition Metal-Doped ZnS Immuno-Quantum Dots. ACS Nano, 2011, 5, 8013-8018.	14.6	52
1426	Toward an on-chip multiplexed nucleic acid hybridization assay using immobilized quantum dot-oligonucleotide conjugates and fluorescence resonance energy transfer. Proceedings of SPIE, 2011, , .	0.8	6
1427	Nanomaterials as Matrices for Enzyme Immobilization. Artificial Cells, Blood Substitutes, and Biotechnology, 2011, 39, 98-109.	0.9	125
1428	Monodisperse Gd2O3:Ln (Ln = Eu3+, Tb3+, Dy3+, Sm3+, Yb3+/Er3+, Yb3+/Tm3+, and Yb3+/Ho3+) nanocrystals with tunable size and multicolor luminescent properties. CrystEngComm, 2011, 13, 5480.	2.6	98
1429	Emerging functional nanomaterials for therapeutics. Journal of Materials Chemistry, 2011, 21, 13107.	6.7	148
1430	Strongly green-photoluminescent graphene quantum dots for bioimaging applications. Chemical Communications, 2011, 47, 6858.	4.1	1,458
1431	Studies of Intracorneal Distribution and Cytotoxicity of Quantum Dots: Risk Assessment of Eye Exposure. Chemical Research in Toxicology, 2011, 24, 253-261.	3.3	34
1432	Multivalent Conjugation of Peptides, Proteins, and DNA to Semiconductor Quantum Dots. Methods in Molecular Biology, 2011, 726, 95-110.	0.9	7
1433	Color-Tunable Nanophosphors by Codoping Flame-Made Y ₂ O ₃ with Tb and Eu. Journal of Physical Chemistry C, 2011, 115, 1084-1089.	3.1	81
1434	Silver/carbon-quantum-dot plasmonic luminescent nanoparticles. New Journal of Chemistry, 2011, 35, 554.	2.8	21

#	Article	IF	CITATIONS
1435	The Controlled Display of Biomolecules on Nanoparticles: A Challenge Suited to Bioorthogonal Chemistry. Bioconjugate Chemistry, 2011, 22, 825-858.	3.6	444
1436	Importance of Sialic Acid Residues Illuminated by Live Animal Imaging Using Phosphorylcholine Self-Assembled Monolayer-Coated Quantum Dots. Journal of the American Chemical Society, 2011, 133, 12507-12517.	13.7	83
1437	Calix[8]arene Coated CdSe/ZnS Quantum Dots as C ₆₀ -Nanosensor. Analytical Chemistry, 2011, 83, 8093-8100.	6.5	37
1438	Non-viral Gene Therapy. Fundamental Biomedical Technologies, 2011, , 599-699.	0.2	4
1440	Design and development of quantum dots and other nanoparticles based cellular imaging probe. Physical Chemistry Chemical Physics, 2011, 13, 385-396.	2.8	71
1441	Regenerating the Heart., 2011, , .		2
1442	Aqueous synthesis of CdTe nanocrystals: progresses and perspectives. Chemical Communications, 2011, 47, 9293.	4.1	99
1443	A switchable fluorescent quantum dot probe based on aggregation/disaggregation mechanism. Chemical Communications, 2011, 47, 935-937.	4.1	94
1444	Inorganic-Organic Hybrid Nanomaterials for Therapeutic and Diagnostic Imaging Applications. International Journal of Molecular Sciences, 2011, 12, 3888-3927.	4.1	89
1445	Amplified Multiplexed Analysis of DNA by the Exonuclease III-Catalyzed Regeneration of the Target DNA in the Presence of Functionalized Semiconductor Quantum Dots. Nano Letters, 2011, 11, 4456-4461.	9.1	163
1446	Surface-Functionalization-Dependent Optical Properties of Il–VI Semiconductor Nanocrystals. Journal of the American Chemical Society, 2011, 133, 17504-17512.	13.7	121
1447	Water-Soluble Dual-Emitting Nanocrystals for Ratiometric Optical Thermometry. Journal of the American Chemical Society, 2011, 133, 14978-14980.	13.7	184
1448	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. Journal of Materials Chemistry, 2011, 21, 2455.	6.7	87
1449	Photonic Nanoparticles for Cellular and Tissular Labeling. , 2011, , 59-104.		1
1450	DNA-Conjugated Nanomaterials for Bioanalysis. , 2011, , 105-126.		1
1452	Kinetics and Thermodynamics of Biotinylated Oligonucleotide Probe Binding to Particle-Immobilized Avidin and Implications for Multiplexing Applications. Analytical Chemistry, 2011, 83, 2005-2011.	6.5	14
1453	Core–Shell Structured Up-Conversion Luminescent and Mesoporous NaYF ₄ :Yb ³⁺ /Er ³⁺ @ <i>n</i> NaYF ₂ @ <i>m</i> 5iO ₂ Nanospheres as Carriers for Drug Delivery. Journal of Physical Chemistry C, 2011, 115, 15801-15811.	>3.1	152
1454	Chemiluminescence and Chemiluminescence Resonance Energy Transfer (CRET) Aptamer Sensors Using Catalytic Hemin/G-Quadruplexes. ACS Nano, 2011, 5, 7648-7655.	14.6	261

#	Article	IF	Citations
1455	Silanization of plasma-grown silicon quantum dots for production of a tunable, stable, colloidal solution. , $2011, \ldots$		1
1456	Vertical nanopillars for highly localized fluorescence imaging. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3894-3899.	7.1	100
1457	The synergistic effects of stimuli-responsive polymers with nano- structured surfaces: wettability and protein adsorption. RSC Advances, 2011, 1, 262.	3.6	31
1458	Affibody-Attached Hyperbranched Conjugated Polyelectrolyte for Targeted Fluorescence Imaging of HER2-Positive Cancer Cell. Biomacromolecules, 2011, 12, 2966-2974.	5.4	73
1459	Biosensors and nanomaterials and their application for mycotoxin determination. World Mycotoxin Journal, 2011, 4, 361-374.	1.4	88
1460	A Mild Liquid Reduction Route toward Uniform Blue-Emitting EuCl2Nanoprisms and Nanorods. Inorganic Chemistry, 2011, 50, 6862-6864.	4.0	27
1462	From (Cd2Se2)(pa) (pa = propylamine) hybrid precursors to various CdSe nanostructures: structural evolution and optical properties. Dalton Transactions, 2011, 40, 3191.	3.3	14
1463	Nanotechnology Research Directions for Societal Needs in 2020. , 2011, , .		202
1464	γ-Cyclodextrin–folate complex-functionalized quantum dots for tumor-targeting and site-specific labeling. Journal of Materials Chemistry, 2011, 21, 10290.	6.7	26
1465	Characterising a technology development at the stage of early emerging applications: nanomaterial-enhanced biosensors. Technology Analysis and Strategic Management, 2011, 23, 527-544.	3.5	27
1466	Label-Free Fluorescent Detection of Protein Kinase Activity Based on the Aggregation Behavior of Unmodified Quantum Dots. Analytical Chemistry, 2011, 83, 52-59.	6.5	129
1467	Cells as Factories for Humanized Encapsulation. Nano Letters, 2011, 11, 2152-2156.	9.1	64
1468	Luminescence Applied in Sensor Science. Topics in Current Chemistry, 2011, , .	4.0	9
1469	Bifunctional nanoparticles with superparamagnetic and luminescence properties. Journal of Materials Chemistry, 2011, 21, 4765.	6.7	21
1470	DNAâ°'CNT Nanowire Networks for DNA Detection. Journal of the American Chemical Society, 2011, 133, 3238-3241.	13.7	86
1471	Interstaple Dithiol Cross-Linking in Au ₂₅ (SR) ₁₈ Nanomolecules: A Combined Mass Spectrometric and Computational Study. Journal of the American Chemical Society, 2011, 133, 20258-20266.	13.7	79
1472	Bio-Mediated Assembly of Ordered Nanoparticle Superstructures. , 2011, , 69-103.		0
1473	Photoswitching-Induced Frequency-Locked Donor–Acceptor Fluorescence Double Modulations Identify the Target Analyte in Complex Environments. Journal of the American Chemical Society, 2011, 133, 16092-16100.	13.7	43

#	Article	IF	CITATIONS
1474	Pre- and Postfunctionalized Self-Assembled π-Conjugated Fluorescent Organic Nanoparticles for Dual Targeting. Journal of the American Chemical Society, 2011, 133, 17063-17071.	13.7	105
1475	Supercritical hydrothermal synthesis of hydrophilic polymer-modified water-dispersible CeO ₂ nanoparticles. CrystEngComm, 2011, 13, 2841-2848.	2.6	72
1476	Anisotropic Emission from Multilayered Plasmon Resonator Nanocomposites of Isotropic Semiconductor Quantum Dots. ACS Nano, 2011, 5, 1328-1334.	14.6	66
1477	Aqueous Phase Transfer of InP/ZnS Nanocrystals Conserving Fluorescence and High Colloidal Stability. ACS Nano, 2011, 5, 9392-9402.	14.6	130
1478	NanoBiosensing. Biological and Medical Physics Series, 2011, , .	0.4	29
1479	Probing the electronic and optical properties of silica-coated quantum dots with first-principles calculations. Physical Chemistry Chemical Physics, 2011, 13, 14476.	2.8	4
1480	Aptamer-functionalized magnetic nanoparticle-based bioassay for the detection of ochratoxin a using upconversion nanoparticles as labels. Analyst, The, 2011, 136, 2306.	3.5	132
1481	Multiplexed Sensing of Ions with Barcoded Polyelectrolyte Capsules. ACS Nano, 2011, 5, 9668-9674.	14.6	95
1482	Functionalized Biocompatible Nanoparticles for Site-Specific Imaging and Therapeutics. Advances in Polymer Science, 2011, , 233-275.	0.8	6
1483	Stability of quantum dots in live cells. Nature Chemistry, 2011, 3, 963-968.	13.6	121
1484	Microbes and Microbial Technology. , 2011, , .		50
1485	Cytosensing and Cell Surface Carbohydrate Assay by Assembly of Nanoparticles. Biological and Medical Physics Series, 2011, , 485-534.	0.4	0
1486	Simultaneous detection of two lung cancer biomarkers using dual-color fluorescence quantum dots. Analyst, The, 2011, 136, 1399.	3.5	73
1487	Hybrid, Silica-Coated, Janus-Like Plasmonic-Magnetic Nanoparticles. Chemistry of Materials, 2011, 23, 1985-1992.	6.7	158
1488	Semiconductor Quantum Dots for Biomedicial Applications. Sensors, 2011, 11, 11736-11751.	3.8	155
1489	Photonic Crystal Fiber for Efficient Raman Scattering of CdTe Quantum Dots in Aqueous Solution. ACS Nano, 2011, 5, 3823-3830.	14.6	44
1491	Bioconjugation of CdSe/ZnS nanoparticles with SNAP tagged proteins. Chemical Communications, 2011, 47, 10671.	4.1	25
1492	Development of Ultrabright Semiconducting Polymer Dots for Ratiometric pH Sensing. Analytical Chemistry, 2011, 83, 1448-1455.	6.5	245

#	Article	IF	CITATIONS
1494	Role of surface ligands in optical properties of colloidal CdSe/CdS quantum dots. Physical Chemistry Chemical Physics, 2011, 13, 5848.	2.8	54
1495	Sensing Polymer/DNA Polyplex Dissociation Using Quantum Dot Fluorophores. ACS Nano, 2011, 5, 129-138.	14.6	35
1496	Three-Dimensional Type II ZnO/ZnSe Heterostructures and Their Visible Light Photocatalytic Activities. Langmuir, 2011, 27, 10243-10250.	3. 5	159
1497	Targeted Nuclear Delivery using Peptide-Coated Quantum Dots. Bioconjugate Chemistry, 2011, 22, 1073-1080.	3.6	48
1498	A Generalized Ligand-Exchange Strategy Enabling Sequential Surface Functionalization of Colloidal Nanocrystals. Journal of the American Chemical Society, 2011, 133, 998-1006.	13.7	770
1499	New surface-modified zinc oxide nanoparticles with aminotriethylene oxide chains linked by 1,2,3-triazole ring: Preparation, and visible light-emitting and noncytotoxic properties. Applied Surface Science, 2011, 258, 786-790.	6.1	11
1500	Synthesis in aqueous solution and characterisation of a new cobalt-doped ZnS quantum dot as a hybrid ratiometric chemosensor. Analytica Chimica Acta, 2011, 708, 134-140.	5.4	51
1501	TiO2/Ni nanocomposites: Biocompatible and recyclable magnetic photocatalysts. Catalysis Communications, 2011, 12, 611-615.	3.3	29
1502	A shotgun proteomic study of the protein corona associated with cholesterol and atheronal-B surface-modified quantum dots. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 353-359.	4.3	21
1503	An Accessible Approach to Preparing Water-Soluble Mn ²⁺ -Doped (CdSSe)ZnS (Core)Shell Nanocrystals for Ratiometric Temperature Sensing. ACS Nano, 2011, 5, 9511-9522.	14.6	117
1504	Theranostics: Combining Imaging and Therapy. Bioconjugate Chemistry, 2011, 22, 1879-1903.	3.6	1,126
1505	Pancreatic Cancer Stem Cells as New Targets for Diagnostics and Therapy. Else-Kröner-Fresenius-Symposia, 2011, , 116-134.	0.1	1
1506	Phase transfer and its applications in nanotechnology. Chemical Society Reviews, 2011, 40, 1672-1696.	38.1	213
1507	Quantum Confinement in CdTe Quantum Dots: Investigation through Cyclic Voltammetry Supported by Density Functional Theory (DFT). Journal of Physical Chemistry C, 2011, 115, 6243-6249.	3.1	134
1508	Submicron polymer particles containing fluorescent semiconductor nanocrystals CdSe/ZnS for bioassays. Nanomedicine, 2011, 6, 195-209.	3.3	37
1509	Photoinduced electron transfer from semiconductor quantum dots to metal oxide nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 29-34.	7.1	604
1510	Green fluorescent organic nanoparticles by self-assembly induced enhanced emission of a naphthalene diimide bolaamphiphile. Nanoscale, 2011, 3, 2130.	5.6	132
1511	Effect of Core Diameter, Surface Coating, and PEG Chain Length on the Biodistribution of Persistent Luminescence Nanoparticles in Mice. ACS Nano, 2011, 5, 854-862.	14.6	250

#	Article	IF	CITATIONS
1512	Compact and highly stable quantum dots through optimized aqueous phase transfer. Proceedings of SPIE, $2011, \ldots$	0.8	5
1513	Nanoparticles: Emerging carriers for drug delivery. Saudi Pharmaceutical Journal, 2011, 19, 129-141.	2.7	409
1514	CuInS2/ZnS core/shell quantum dots by cation exchange and their blue-shifted photoluminescence. Journal of Materials Chemistry, 2011, 21, 3745.	6.7	323
1515	Intermolecular and Intramolecular Quencher Based Quantum Dot Nanoprobes for Multiplexed Detection of Endonuclease Activity and Inhibition. Analytical Chemistry, 2011, 83, 8913-8918.	6.5	53
1516	Modeling ZnS and ZnO Nanostructures: Structural, Electronic, and Optical Properties. Journal of Physical Chemistry C, 2011, 115, 25219-25226.	3.1	56
1517	Dynamic Nanoplatforms in Biosensor and Membrane Constitutional Systems. Topics in Current Chemistry, 2011, 322, 139-163.	4.0	13
1518	Nanoparticle-based monitoring of cell therapy. Nanotechnology, 2011, 22, 494001.	2.6	74
1519	A facile approach to PbS nanoflowers and their shape-tunable single crystal hollow nanostructures: Morphology evolution. CrystEngComm, 2011, 13, 199-203.	2.6	26
1520	The preparation of glutathione-capped CdTe quantum dots and their use in imaging of cells. Talanta, 2011, 83, 1680-1686.	5 . 5	39
1521	Selective capturing and detection of Salmonella typhi on polycarbonate membrane using bioconjugated quantum dots. Talanta, 2011, 84, 952-962.	5.5	24
1522	Assessment of the toxicity of silver nanoparticles in vitro: A mitochondrial perspective. Toxicology in Vitro, 2011, 25, 664-670.	2.4	197
1523	Quantum Dots Brighten Biological Imaging. Progress in Histochemistry and Cytochemistry, 2011, 45, 201-237.	5.1	119
1524	One-pot synthesis and characterization of dual fluorescent thiol-organosilica nanoparticles as non-photoblinking quantum dots and their applications for biological imaging. Journal of Materials Chemistry, 2011, 21, 4689.	6.7	27
1525	Mesoporous Silica-Coated Hollow Manganese Oxide Nanoparticles as Positive $\langle i \rangle T \langle j \rangle \langle sub \rangle 1 \langle sub \rangle$ Contrast Agents for Labeling and MRI Tracking of Adipose-Derived Mesenchymal Stem Cells. Journal of the American Chemical Society, 2011, 133, 2955-2961.	13.7	491
1526	Use of Flow Cytometry to Measure Biogeochemical Rates and Processes in the Ocean. Annual Review of Marine Science, 2011, 3, 537-566.	11.6	30
1527	Nanoparticles for cell labeling. Nanoscale, 2011, 3, 142-153.	5.6	181
1528	Capillary Electrophoresis Method for the Characterization and Separation of CdSe Quantum Dots. Analytical Chemistry, 2011, 83, 2807-2813.	6.5	38
1529	Biotin-4-Fluorescein Based Fluorescence Quenching Assay for Determination of Biotin Binding Capacity of Streptavidin Conjugated Quantum Dots. Bioconjugate Chemistry, 2011, 22, 362-368.	3.6	43

#	Article	IF	CITATIONS
1530	Heteroepitaxial Growth of Colloidal Nanocrystals onto Substrate Films via Hot-Injection Routes. ACS Nano, 2011, 5, 4953-4964.	14.6	32
1531	Chitosanâ^'Cholesterol-Based Cellular Delivery of Anionic Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 137-144.	3.1	24
1532	Reverse Stern–Volmer behavior for luminescence quenching in carbon nanoparticles. Canadian Journal of Chemistry, 2011, 89, 104-109.	1.1	37
1533	PEGylated liposome coated QDs/mesoporous silica core-shell nanoparticles for molecular imaging. Chemical Communications, 2011, 47, 3442.	4.1	88
1534	Homogeneous assays using aptamers. Analyst, The, 2011, 136, 257-274.	3.5	81
1535	Imaging and Quantifying the Morphology and Nanoelectrical Properties of Quantum Dot Nanoparticles Interacting with DNA. Journal of Physical Chemistry C, 2011, 115, 599-606.	3.1	30
1536	Study on the Effects of Humic and Fulvic Acids on Quantum Dot Nanoparticles Using Capillary Electrophoresis with Laser-Induced Fluorescence Detection. Environmental Science & Eamp; Technology, 2011, 45, 2917-2924.	10.0	27
1537	Targeted Cellular Uptake and siRNA Silencing by Quantumâ€Dot Nanoparticles Coated with βâ€Cyclodextrin Coupled to Amino Acids. Chemistry - A European Journal, 2011, 17, 5171-5179.	3.3	39
1538	Ultrasensitive fluorescence-based methods for nucleic acid detection: towards amplification-free genetic analysis. Chemical Communications, 2011, 47, 3717.	4.1	54
1539	From Embedded to Supported Metal/Oxide Nanomaterials: Thermal Behavior and Structural Evolution at Elevated Temperatures. Journal of Physical Chemistry C, 2011, 115, 1269-1276.	3.1	13
1540	Uptake and Intracellular Fate of Multifunctional Nanoparticles: A Comparison between Lipoplexes and Polyplexes via Quantum Dot Mediated Förster Resonance Energy Transfer. Molecular Pharmaceutics, 2011, 8, 1662-1668.	4.6	29
1541	Infrared reflectance and transmission spectra in II-VI alloys and superlattices. Physical Review B, 2011, 84, .	3.2	26
1542	Room-Temperature Phosphorescence Chemosensor and Rayleigh Scattering Chemodosimeter Dual-Recognition Probe for 2,4,6-Trinitrotoluene Based on Manganese-Doped ZnS Quantum Dots. Analytical Chemistry, 2011, 83, 30-37.	6.5	122
1543	InP@ZnSeS, Core@Composition Gradient Shell Quantum Dots with Enhanced Stability. Chemistry of Materials, 2011, 23, 4459-4463.	6.7	239
1544	In Vivo Applications of Inorganic Nanoparticles. , 2011, , 185-220.		5
1545	Tunable fluorescence in chromophore-functionalized nanodiamond induced by energy transfer. Nanoscale, 2011, 3, 3192.	5.6	30
1546	Structures and Energetics of Silver and Gold Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 11374-11381.	3.1	42
1547	Toward quantitatively fluorescent carbon-based "quantum―dots. Nanoscale, 2011, 3, 2023.	5.6	264

#	Article	IF	CITATIONS
1548	Genotoxicity Evaluation of Nanomaterials: DNA Damage, Micronuclei, and 8-Hydroxy-2-deoxyguanosine Induced by Magnetic Doped CdSe Quantum Dots in Male Mice. Chemical Research in Toxicology, 2011, 24, 640-650.	3.3	50
1549	Synthesis and bio-functionalization of magnetic nanoparticles for medical diagnosis and treatment. Dalton Transactions, 2011, 40, 6315.	3.3	243
1550	Thermal Charging of Colloidal Quantum Dots in Apolar Solvents: A Current Transient Analysis. ACS Nano, 2011, 5, 1345-1352.	14.6	18
1551	The rise of metal radionuclides in medical imaging: copper-64, zirconium-89 and yttrium-86. Future Medicinal Chemistry, 2011, 3, 599-621.	2.3	41
1552	Microbially Synthesized Nanoparticles: Scope and Applications. , 2011, , 101-126.		10
1553	Probing the Radiative Transition of Single Molecules with a Tunable Microresonator. Nano Letters, 2011, 11, 1700-1703.	9.1	56
1554	CdSe/CdS Semiconductor Quantum Rods as Robust Fluorescent Probes for Paraffin-Embedded Tissue Imaging. IEEE Transactions on Nanobioscience, 2011, 10, 209-215.	3.3	8
1555	An Ancient Model Organism to Test In Vivo Novel Functional Nanocrystals. , 2011, , .		5
1560	Simultaneous Detection of Multi-DNAs and Antigens Based on Self-Assembly of Quantum Dots and Carbon Nanotubes. , 0, , .		0
1561	Semiconductor II-VI Quantum Dots with Interface States and Their Biomedical Applications. , 0, , .		12
1562	Synthesis, Characterization and Biological Applications of Water-Soluble ZnO Quantum Dots., 0,,.		4
1563	Colloidal Hybrid Nanocrystals: Synthesis, Properties, and Perspectives. , 2011, , .		0
1564	Nanotechnology Advances in Brain Tumors: The State of the Art. Recent Patents on Anti-Cancer Drug Discovery, 2011, 6, 58-69.	1.6	30
1565	Binding of the Same Analyte to Different Biosensor Surfaces. , 2011, , 129-168.		0
1566	Radiolabelled Nanoparticles for Diagnosis and Treatment of Cancer. , 2011, , .		2
1567	Room temperature excitation spectroscopy of single quantum dots. Beilstein Journal of Nanotechnology, 2011, 2, 516-524.	2.8	10
1568	Integrated Lymphography using Fluorescence Imaging and Magnetic Resonance Imaging in Intact Mice. Molecular Imaging, 2011, 10, 7290.2010.00049.	1.4	5
1569	Molecular Imaging Probe Development Using Microfluidics. Current Organic Synthesis, 2011, 8, 473-487.	1.3	14

#	Article	IF	CITATIONS
1570	Effect of Bimodal Size Distribution on Optical Properties of CdSe Nanocrystals. Current Nanoscience, 2011, 7, 275-281.	1.2	2
1571	Aggregation-Induced Emission and Biological Application of Tetraphenylethene Luminogens. Australian Journal of Chemistry, 2011, 64, 1203.	0.9	13
1572	Probing the Size-Induced Electronic Structures of CdSe Quantum Dots. Microscopy and Microanalysis, 2011, 17, 1648-1649.	0.4	1
1574	A Novel p-Nitroaniline Fluorescent Sensor Based on Molecular Recognition of Carboxymethyl-β-cyclodextrin-capped ZnO/ZnS/MgO Nanocomposites. Analytical Sciences, 2011, 27, 851-856.	1.6	9
1575	Pharmaceutical Induction of ApoE Secretion. , 2011, , 212-230.		0
1576	Double labeling and comparison of fluorescence intensity and photostability between quantum dots and FITC in oral tumors. Molecular Medicine Reports, 2011, 4, 425-9.	2.4	13
1577	Experimental study on electron field emission, Raman scattering, and low temperature electrical properties of nanocrystalline lead selenide thin films. Journal of Applied Physics, 2011, 109, 104312.	2.5	6
1580	Inorganic Nanoparticles for Multimodal Molecular Imaging. Molecular Imaging, 2011, 10, 7290.2011.00001.	1.4	73
1581	Fluorescent CdS nanoparticles for biology and medicine. Doklady Chemistry, 2011, 440, 241-243.	0.9	4
1582	Hydrophilic semiconductor quantum dots. High Energy Chemistry, 2011, 45, 1-12.	0.9	19
1583	Fluorescent CdS nanoparticles for cell imaging. Inorganic Materials, 2011, 47, 223-226.	0.8	16
1584	Detecting RNA viruses in living mammalian cells by fluorescence microscopy. Trends in Biotechnology, 2011, 29, 307-313.	9.3	36
1585	In vivo study of dendronlike nanoparticles for stem cells "tune-up― from nano to tissues. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 914-924.	3.3	34
1586	Electroluminescence of colloidal ZnSe quantum dots. Journal of Luminescence, 2011, 131, 2707-2710.	3.1	27
1587	$F\tilde{A}\P$ rster resonance energy transfer $\hat{a}\in {}^{\omega}$ A spectroscopic nanoruler: Principle and applications. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2011, 12, 20-30.	11.6	273
1588	Study of the interaction between bovine serum albumin and ZnS quantum dots with spectroscopic techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 84, 178-183.	3.9	26
1589	CdSe quantum dots stabilized by carboxylic-functionalized PVA: Synthesis and UV–vis spectroscopy characterization. Materials Chemistry and Physics, 2011, 125, 709-717.	4.0	78
1590	Phase transfer of hydrophobic QDs for water-soluble and biocompatible nature through silanization. Materials Research Bulletin, 2011, 46, 2367-2372.	5.2	10

#	Article	IF	CITATIONS
1591	Comparison of quantum-dots- and fluorescein-isothiocyanate-based technology for detecting prostate-specific antigen expression in human prostate cancer. IET Nanobiotechnology, 2011, 5, 47-51.	3.8	14
1592	Electrical and Optical Characteristics of UV Photodetector With Interlaced ZnO Nanowires. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 990-995.	2.9	45
1593	A quantum dots and superparamagnetic nanoparticle-based method for the detection of HPV DNA. Nanoscale Research Letters, 2011, 6, 461.	5.7	17
1594	Nanocomposite microfiber spinning using a UV-curable polymer in an aqueous environment. Composites Science and Technology, 2011, 71, 1495-1500.	7.8	3
1595	Fabrication of Pd–DNA and Pd–CNT hybrid nanostructures for hydrogen sensors. Advanced Powder Technology, 2011, 22, 559-565.	4.1	15
1596	Polyamidoamine dendrimer-conjugated quantum dots for efficient labeling of primary cultured mesenchymal stem cells. Biomaterials, 2011, 32, 6676-6682.	11.4	53
1597	Multifunctional quantum-dot-based siRNA delivery for HPV18 E6 gene silence and intracellular imaging. Biomaterials, 2011, 32, 7978-7987.	11.4	93
1598	Fluorophore-labeled nanocapsules displaying IgG Fc-binding domains for the simultaneous detection of multiple antigens. Biomaterials, 2011, 32, 9011-9020.	11.4	23
1599	Assessment of nanomaterial cytotoxicity with SOLiD sequencing-based microRNA expression profiling. Biomaterials, 2011, 32, 9021-9030.	11.4	64
1600	Multienzyme-nanoparticles amplification for sensitive virus genotyping in microfluidic microbeads array using Au nanoparticle probes and quantum dots as labels. Biosensors and Bioelectronics, 2011, 29, 89-96.	10.1	35
1601	Synthesis of Glyconanomaterials via Photo-Initiated Coupling Chemistry. ACS Symposium Series, 2011, , 49-67.	0.5	1
1602	Use of stains to detect fingermarks. Biotechnic and Histochemistry, 2011, 86, 140-160.	1.3	63
1603	Light-Controlled Bioelectrochemical Sensor Based on CdSe/ZnS Quantum Dots. Analytical Chemistry, 2011, 83, 7778-7785.	6.5	115
1604	Ultrasensitive protein detection in terms of multiphonon resonance Raman scattering in ZnS nanocrystals. Applied Physics Letters, 2011, 98, .	3.3	13
1605	Recent Advances in Dynamic Monitoring of Drug Release of Nanoparticle Using Förster Resonance Energy Transfer and Fluorescence Lifetime Imaging. Journal of the Chinese Chemical Society, 2011, 58, 798-804.	1.4	7
1606	The synthesis and bio-applications of magnetic and fluorescent bifunctional composite nanoparticles. Analyst, The, 2011, 136, 1783.	3.5	64
1607	Targeted Delivery of Nanoparticles to Ischemic Muscle for Imaging and Therapeutic Angiogenesis. Nano Letters, 2011, 11, 694-700.	9.1	135
1608	Synthesis of functionalized amphiphilic polymers for coating quantum dots. Nature Protocols, 2011, 6, 1546-1553.	12.0	92

#	Article	IF	CITATIONS
1609	Multiple functionalization of fluorescent nanoparticles for specific biolabeling and drug delivery of dopamine. Nanoscale, 2011, 3, 5110.	5.6	39
1610	Silica nanodisks as platforms for fluorescence lifetime-based sensing of pH. Journal of Chemical Sciences, 2011, 123, 901-907.	1.5	7
1611	Characterization of CdSe quantum dots with bidentate ligands by capillary electrophoresis. Open Chemistry, 2011, 9, 572-584.	1.9	9
1612	Fluorescence spectroscopy of semiconductor CdTe nanocrystals: preparation effect on photostability. Open Physics, 2011, 9, 287-292.	1.7	1
1613	Cu2ZnSnS4 nanocrystals and graphene quantum dots for photovoltaics. Nanoscale, 2011, 3, 3040.	5.6	95
1614	Functionalization of Inorganic Nanoparticles for Bioimaging Applications. Accounts of Chemical Research, 2011, 44, 925-935.	15.6	551
1615	Analyzing Nanomaterial Bioconjugates: A Review of Current and Emerging Purification and Characterization Techniques. Analytical Chemistry, 2011, 83, 4453-4488.	6.5	430
1616	En Route to White-Light Generation Utilizing Nanocomposites Composed of Ultrasmall CdSe Nanodots and Excited-State Intramolecular Proton Transfer Dyes. ACS Applied Materials & Emp; Interfaces, 2011, 3, 1713-1720.	8.0	38
1617	Biogenic materialization using pear extract intended for the synthesis and design of ordered gold nanostructures. Journal of Materials Science, 2011, 46, 4741-4747.	3.7	15
1618	Influence of Surfactants and Charges on CdSe Quantum Dots. Journal of Cluster Science, 2011, 22, 405-431.	3.3	35
1619	Determination of L-tyrosine Based on Luminescence Quenching of Mn-Doped ZnSe Quantum Dots in Enzyme Catalysis System. Journal of Fluorescence, 2011, 21, 125-131.	2.5	16
1620	Functionalized quantum dots to quantify NADPH and their use for NADP+-dependent biocatalyzed transformations. Biotechnology Letters, 2011, 33, 623-628.	2.2	5
1621	How Stealthy are PEG-PLA Nanoparticles? An NIR In Vivo Study Combined with Detailed Size Measurements. Pharmaceutical Research, 2011, 28, 1995-2007.	3.5	48
1622	Induction of cytotoxicity by photoexcitation of TiO2 can prolong survival in glioma-bearing mice. Molecular Biology Reports, 2011, 38, 523-530.	2.3	69
1623	Investigation of electronic and optical properties of (CdSe/ZnS/CdSe/ZnS) quantum dot–quantum well heteronanocrystal. Journal of Nanoparticle Research, 2011, 13, 1197-1205.	1.9	33
1624	Detection of biotin–avidin affinity binding by exploiting a self-referenced system composed of upconverting luminescent nanoparticles and gold nanoparticles. Journal of Nanoparticle Research, 2011, 13, 4603-4611.	1.9	47
1625	Intensity-tunable micelles and films containing bimetal ionsâ€"europium(III) and terbium(III). Colloid and Polymer Science, 2011, 289, 1429-1435.	2.1	7
1626	Hyperbranched polymers meet colloid nanocrystals: a promising avenue to multifunctional, robust nanohybrids. Colloid and Polymer Science, 2011, 289, 1299-1320.	2.1	51

#	Article	IF	CITATIONS
1627	Electrochemistry and electrogenerated chemiluminescence of organic nanoparticles. Journal of Solid State Electrochemistry, 2011, 15, 2279-2291.	2.5	35
1628	Spectrally broadened excitonic absorption and enhanced optical nonlinearities in Dy3+-doped ZnO nanoparticles. Applied Physics A: Materials Science and Processing, 2011, 102, 115-120.	2.3	20
1629	Parameter-dependent optical nutation in PbSe/CdSe/ZnS quantum-dot. Applied Physics B: Lasers and Optics, 2011, 103, 189-194.	2.2	3
1630	Quantum dots as contrast agents for in vivo tumor imaging: progress and issues. Analytical and Bioanalytical Chemistry, 2011, 399, 2331-2342.	3.7	54
1631	Nanoscopic optical sensors based on functional supramolecular hybrid materials. Analytical and Bioanalytical Chemistry, 2011, 399, 55-74.	3.7	39
1632	Core-shell silica nanoparticles synthesized for quantitative study of DNA cleavage by laser-induced fluorescence microscopy. Analytical and Bioanalytical Chemistry, 2011, 399, 1683-1688.	3.7	8
1633	Nanoparticles for the development of improved (bio)sensing systems. Analytical and Bioanalytical Chemistry, 2011, 399, 1577-1590.	3.7	86
1634	Capillary electrophoretic separation of nanoparticles. Analytical and Bioanalytical Chemistry, 2011, 399, 2831-2842.	3.7	32
1635	Conjugation reactions in the preparations of quantum dot-based immunoluminescent probes for analysis of proteins by capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2011, 400, 369-379.	3.7	22
1636	Protein structural changes induced by glutathione-coated CdS quantum dots as revealed by Trp phosphorescence. European Biophysics Journal, 2011, 40, 1237-1245.	2.2	15
1637	Biofabrication of discrete spherical gold nanoparticles using the metal-reducing bacterium Shewanella oneidensis. Acta Biomaterialia, 2011, 7, 2148-2152.	8.3	247
1638	Fluorescence-enhanced gadolinium-doped zinc oxide quantum dots for magnetic resonance and fluorescence imaging. Biomaterials, 2011, 32, 1185-1192.	11.4	198
1639	Quantum dot labeling using positive charged peptides in human hematopoetic and mesenchymal stem cells. Biomaterials, 2011, 32, 5195-5205.	11.4	43
1640	ZnO quantum dot labeled immunosensor for carbohydrate antigen 19-9. Biosensors and Bioelectronics, 2011, 26, 2720-2723.	10.1	104
1641	Nanobio applications of quantum dots in cancer: imaging, sensing, and targeting. Cancer Nanotechnology, 2011, 2, 1-19.	3.7	40
1642	Rapid assessment of DNA damage induced by polystyrene nanosphere suspension using a photoelectrochemical DNA sensor. Science China Chemistry, 2011, 54, 1260-1265.	8.2	5
1643	Investigating Fluorescence Quenching of ZnS Quantum Dots by Silver Nanoparticles. Plasmonics, 2011, 6, 125-132.	3.4	56
1644	Quantum dots: a new tool for anti-malarial drug assays. Malaria Journal, 2011, 10, 118.	2.3	21

#	Article	IF	CITATIONS
1645	BRCAA1 monoclonal antibody conjugated fluorescent magnetic nanoparticles for in vivo targeted magnetofluorescent imaging of gastric cancer. Journal of Nanobiotechnology, 2011, 9, 23.	9.1	59
1646	Biocompatibility of hydrophilic silica-coated CdTe quantum dots and magnetic nanoparticles. Nanoscale Research Letters, 2011, 6, 299.	5.7	40
1647	Building nanostructures using RAFT polymerization. Journal of Polymer Science Part A, 2011, 49, 551-595.	2.3	294
1648	Engineering Nanocarriers for siRNA Delivery. Small, 2011, 7, 841-856.	10.0	97
1649	Oneâ€Pot Encapsulation of Luminescent Quantum Dots Synthesized in Aqueous Solution by Amphiphilic Polymers. Small, 2011, 7, 1456-1463.	10.0	24
1650	CdTe Quantum Dots as Nanothermometers: Towards Highly Sensitive Thermal Imaging. Small, 2011, 7, 1774-1778.	10.0	127
1651	Dualâ€Responsive Interaction to Detect DNA on Templateâ€Based Fluorescent Nanotubes. Small, 2011, 7, 1629-1634.	10.0	35
1652	Realâ€Time Templateâ€Assisted Manipulation of Nanoparticles in a Multilayer Nanofluidic Chip. Small, 2011, 7, 2750-2757.	10.0	11
1653	Wrapping Graphene Sheets Around Organic Wires for Making Memory Devices. Small, 2011, 7, 2372-2378.	10.0	16
1654	Inâ€Situ Observation of Nucleation and Growth of PbSe Magicâ€Sized Nanoclusters and Regular Nanocrystals. Small, 2011, 7, 2250-2262.	10.0	50
1655	Acrylateâ€Facilitated Cellular Uptake of Gold Nanoparticles. Small, 2011, 7, 1982-1986.	10.0	17
1656	Polymerâ€Coated Nanoparticles: A Universal Tool for Biolabelling Experiments. Small, 2011, 7, 3113-3127.	10.0	261
1657	Colloidally Stable Silicon Nanocrystals with Nearâ€Infrared Photoluminescence for Biological Fluorescence Imaging. Small, 2011, 7, 2507-2516.	10.0	85
1658	CulnSe/ZnS Core/Shell NIR Quantum Dots for Biomedical Imaging. Small, 2011, 7, 3148-3152.	10.0	97
1659	Assessing toxicity of nanoparticles using <i>Brachionus manjavacas</i> (Rotifera). Environmental Toxicology, 2011, 26, 146-152.	4.0	72
1660	Fluorescent nanoparticle probes for imaging of cancer. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 501-510.	6.1	34
1661	Nanodevices in diagnostics. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 11-32.	6.1	64
1662	Bimodal magnetic–fluorescent probes for bioimaging. Microscopy Research and Technique, 2011, 74, 563-576.	2.2	83

#	Article	IF	Citations
1663	Gold nanoparticles and quantum dots for bioimaging. Microscopy Research and Technique, 2011, 74, 592-604.	2.2	116
1664	Introduction: Bio and nano imaging and analysis. Microscopy Research and Technique, 2011, 74, 559-562.	2.2	1
1665	Ultrabright Fluorescent Silica Mesoporous Silica Nanoparticles: Control of Particle Size and Dye Loading. Advanced Functional Materials, 2011, 21, 3129-3135.	14.9	73
1666	Fluorescent Conjugated Polyelectrolytes for Bioimaging. Advanced Functional Materials, 2011, 21, 3408-3423.	14.9	245
1667	Nanoscale Materials for Tackling Brain Cancer: Recent Progress and Outlook. Advanced Materials, 2011, 23, H136-50.	21.0	52
1668	Cytophilic Fluorescent Bioprobes for Longâ€∓erm Cell Tracking. Advanced Materials, 2011, 23, 3298-3302.	21.0	238
1677	Semiconductor Quantum Dots for Electrochemical Biosensors. , 2011, , 199-219.		1
1679	Capillary electrophoresis immunoassays with conjugated quantum dots. Electrophoresis, 2011, 32, 1217-1223.	2.4	16
1680	Optimizing quantitative <i>in vivo</i> fluorescence imaging with nearâ€infrared quantum dots. Contrast Media and Molecular Imaging, 2011, 6, 148-152.	0.8	11
1681	CdSe Spherical Quantum Dots Stabilised by Thiomalic Acid: Biphasic Wet Synthesis and Characterisation. ChemPhysChem, 2011, 12, 863-870.	2.1	9
1682	Effect of Surface Modification on Semiconductor Nanocrystal Fluorescence Lifetime. ChemPhysChem, 2011, 12, 919-929.	2.1	26
1683	Luminescence of Polyethylene Glycol Coated CdSeTe/ZnS and InP/ZnS Nanoparticles in the Presence of Copper Cations. ChemPhysChem, 2011, 12, 2247-2254.	2.1	24
1694	Nanoparticles in Biological Systems. Angewandte Chemie - International Edition, 2011, 50, 1242-1258.	13.8	457
1695	PEGylated Inorganic Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 1980-1994.	13.8	455
1696	Luminescent Silica Nanoparticles: Extending the Frontiers of Brightness. Angewandte Chemie - International Edition, 2011, 50, 4056-4066.	13.8	241
1697	The Precise Synthesis and Growth of Core–Shell Nanoparticles within a Selfâ€Assembled Spherical Template. Angewandte Chemie - International Edition, 2011, 50, 4858-4861.	13.8	34
1698	Design of Highly Emissive Polymer Dot Bioconjugates for Inâ€Vivo Tumor Targeting. Angewandte Chemie - International Edition, 2011, 50, 3430-3434.	13.8	330
1699	Multifunctional Capsuleâ€inâ€Capsules for Immunoprotection and Trimodal Imaging. Angewandte Chemie - International Edition, 2011, 50, 2317-2321.	13.8	77

#	Article	IF	CITATIONS
1700	Chirality of Glutathione Surface Coating Affects the Cytotoxicity of Quantum Dots. Angewandte Chemie - International Edition, 2011, 50, 5860-5864.	13.8	210
1701	Semiconductor Anisotropic Nanocomposites Obtained by Directly Coupling Conjugated Polymers with Quantum Rods. Angewandte Chemie - International Edition, 2011, 50, 3958-3962.	13.8	78
1702	Multipleâ€Interaction Ligands Inspired by Mussel Adhesive Protein: Synthesis of Highly Stable and Biocompatible Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 11360-11365.	13.8	117
1703	Xâ€Ray Computed Tomography Imaging of Breast Cancer by using Targeted Peptideâ€Labeled Bismuth Sulfide Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 12308-12311.	13.8	190
1704	Dendritic Ruthenium(II)â€Based Dyes Tuneable for Diagnostic or Therapeutic Applications. Chemistry - A European Journal, 2011, 17, 464-467.	3.3	32
1705	Optical Imaging with Dynamic Contrast Agents. Chemistry - A European Journal, 2011, 17, 1080-1091.	3.3	30
1706	<i>N</i> à€2â€Arylâ€1,2,3â€triazoles: A Novel Class of UV/Blueâ€Lightâ€Emitting Fluorophores with Tunable Opti Properties. Chemistry - A European Journal, 2011, 17, 5011-5018.	ical 3.3	75
1707	Coenzymeâ€Q Functionalized CdTe/ZnS Quantum Dots for Reactive Oxygen Species (ROS) Imaging. Chemistry - A European Journal, 2011, 17, 5262-5271.	3.3	37
1708	Towards Libraries of Luminescent Lanthanide Complexes and Labels from Generic Synthons. Chemistry - A European Journal, 2011, 17, 9164-9179.	3.3	54
1709	Specifically and Reversibly Immobilizing Proteins/Enzymes to Nitriolotriaceticâ€Acidâ€Modified Mesoporous Silicas through Histidine Tags for Purification or Catalysis. Chemistry - A European Journal, 2011, 17, 13059-13067.	3.3	29
1710	Biologically synthesized fluorescent CdS NPs encapsulated by PHB. Enzyme and Microbial Technology, 2011, 48, 319-325.	3.2	60
1711	Biocompatible Quantum Dots for Biological Applications. Chemistry and Biology, 2011, 18, 10-24.	6.0	476
1712	Kinetics study of invertase covalently linked to a new functional nanogel. Bioresource Technology, 2011, 102, 2177-2184.	9.6	26
1713	Signal enhancement in DNA microarray using dye doped silica nanoparticles: Application to Human Papilloma Virus (HPV) detection. Biosensors and Bioelectronics, 2011, 26, 2761-2765.	10.1	27
1714	Composite of CdTe quantum dots and molecularly imprinted polymer as a sensing material for cytochrome c. Biosensors and Bioelectronics, 2011, 26, 2553-2558.	10.1	202
1715	Optical analysis of lactate dehydrogenase and glucose by CdTe quantum dots and their dual simultaneous detection. Biosensors and Bioelectronics, 2011, 26, 3488-3493.	10.1	35
1716	A nanoprobe for nonprotein thiols based on assembling of QDs and 4-amino-2,2,6,6-tetramethylpiperidine oxide. Biosensors and Bioelectronics, 2011, 26, 4632-4636.	10.1	11
1717	Mannosylated chitosan-zinc sulphide nanocrystals as fluorescent bioprobes for targeted cancer imaging. Carbohydrate Polymers, 2011, 85, 37-43.	10.2	54

#	Article	IF	CITATIONS
1718	Synthesis of amphiphilic triblock copolymers as multidentate ligands for biocompatible coating of quantum dots. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 375, 147-155.	4.7	18
1719	Aqueous dispersions of core/shell CdSe/CdS quantum dots as nanofluids for electrowetting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 269-277.	4.7	28
1720	Facile capping CdS and ZnS shells by thermolysis of ethylxanthate precursors for CdSe/CdS/ZnS nanocrystals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 574-579.	4.7	9
1721	Biomolecule-quantum dot systems for bioconjugation applications. Colloids and Surfaces B: Biointerfaces, 2011, 84, 360-368.	5.0	46
1722	Water soluble carbon nanoparticles: Hydrothermal synthesis and excellent photoluminescence properties. Colloids and Surfaces B: Biointerfaces, 2011, 87, 326-332.	5.0	105
1723	Efficient assembly of multi-walled carbon nanotube-CdSe/ZnS quantum dot hybrids with high biocompatibility and fluorescence property. Colloids and Surfaces B: Biointerfaces, 2011, 87, 346-352.	5.0	21
1724	Aptamer/quantum dot-based simultaneous electrochemical detection of multiple small molecules. Analytica Chimica Acta, 2011, 688, 99-103.	5.4	64
1725	Rapid fluorescence determination of diquat herbicide in food grains using quantum dots as new reducing agent. Analytica Chimica Acta, 2011, 692, 103-108.	5.4	24
1726	Folic acid-conjugated core/shell ZnS:Mn/ZnS quantum dots as targeted probes for two photon fluorescence imaging of cancer cells. Acta Biomaterialia, 2011, 7, 1327-1338.	8.3	172
1727	Ultra-photostable, non-cytotoxic, and highly fluorescent quantum nanospheres for long-term, high-specificity cell imaging. Biomaterials, 2011, 32, 2133-2140.	11.4	30
1728	One-to-one quantum dot-labeled single long DNA probes. Biomaterials, 2011, 32, 5471-5477.	11.4	32
1729	Surface-engineered quantum dots for the labeling of hydrophobic microdomains in bacterial biofilms. Biomaterials, 2011, 32, 5459-5470.	11.4	56
1730	Quantum dot-antisense oligonucleotide conjugates for multifunctional gene transfection, mRNA regulation, and tracking of biological processes. Biomaterials, 2011, 32, 1923-1931.	11.4	40
1731	Click chemistry on self-assembled monolayer of zeolite L crystals by microcontact printing – Applications in nanobiotechnology. Microporous and Mesoporous Materials, 2011, 144, 9-14.	4.4	20
1732	Doxorubicin-conjugated quantum dots to target alveolar macrophages and inflammation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 88-96.	3.3	91
1733	Fluorescence energy transfer in hybrid structures of semiconductor nanocrystals. Nano Today, 2011, 6, 355-365.	11.9	46
1734	Seed-mediated synthesis, properties and application of γ-Fe2O3–CdSe magnetic quantum dots. Journal of Solid State Chemistry, 2011, 184, 2150-2158.	2.9	12
1735	Photostability comparison of CdTe and CdSe/CdS/ZnS quantum dots in living cells under single and two-photon excitations. Journal of Luminescence, 2011, 131, 2267-2272.	3.1	17

#	Article	IF	CITATIONS
1736	Synthesis and surface photochemistry of graphitized carbon quantum dots. Journal of Colloid and Interface Science, 2011, 356, 416-421.	9.4	77
1737	Cellular uptake and subcellular localization of highly luminescent silica-coated CdSe quantum dots – In vitro and in vivo. Journal of Colloid and Interface Science, 2011, 357, 366-371.	9.4	13
1738	Preparation of quantum dots encoded microspheres by electrospray for the detection of biomolecules. Journal of Colloid and Interface Science, 2011, 358, 73-80.	9.4	27
1739	Characterization of the adsorption of oligonucleotides on mercaptopropionic acid-coated CdSe/ZnS quantum dots using fluorescence resonance energy transfer. Journal of Colloid and Interface Science, 2011, 359, 148-154.	9.4	32
1740	Cooperative antimicrobial activity of CdTe quantum dots with rocephin and fluorescence monitoring for Escherichia coli. Journal of Colloid and Interface Science, 2011, 362, 100-106.	9.4	45
1741	Synthesis and characterization of CdS quantum dots with carboxylic-functionalized poly (vinyl) Tj ETQq1 1 0.784	314 rgBT	/Oygrlock 10
1742	New methodology for obtaining CdTe quantum dots by using ultrasound. Ultrasonics Sonochemistry, 2011, 18, 1008-1011.	8.2	23
1743	Effects of K+ and Na+ ions on the fluorescence of colloidal CdSe/CdS and CdSe/ZnS quantum dots. Sensors and Actuators B: Chemical, 2011, 155, 823-830.	7.8	15
1744	Layer-by-layer self-assembly CdTe quantum dots and molecularly imprinted polymers modified chemiluminescence sensor for deltamethrin detection. Sensors and Actuators B: Chemical, 2011, 156, 222-227.	7.8	55
1745	An in vitro study of vascular endothelial toxicity of CdTe quantum dots. Toxicology, 2011, 282, 94-103.	4.2	114
1746	Biosensors for pharmaceuticals based on novel technology. TrAC - Trends in Analytical Chemistry, 2011, 30, 541-553.	11.4	66
1747	Nanomaterials-based Polymerase Chain Reactions for DNA Detection. Current Organic Chemistry, 2011, 15, 486-497.	1.6	19
1748	A simple and general route for monofunctionalization of fluorescent and magnetic nanoparticles using peptides. Nanotechnology, 2011, 22, 175103.	2.6	10
1749	Boron Nitride Nanotubes: Production, Properties, Biological Interactions and Potential Applications as Therapeutic Agents in Brain Diseases. Current Nanoscience, 2011, 7, 94-109.	1.2	32
1750	Quantum Dot-Based Nanocomposites for Biomedical Applications. Current Medicinal Chemistry, 2011, 18, 3516-3528.	2.4	35
1752	Angular emission properties of a layer of rare-earth based nanophosphors embedded in one-dimensional photonic crystal coatings. Applied Physics Letters, 2011, 99, 051111.	3.3	3
1753	Perylene diimide-based organic fluorescent nanorods for live cell imaging. , 2011, , .		1
1754	Biomimetic Polymer Nanoparticles Embedding Quantum Dots. Materials Research Society Symposia Proceedings, 2011, 1357, 1.	0.1	2

#	Article	IF	CITATIONS
1755	Micelle nanoparticles for FRET-based ratiometric sensing of mercury ions in water, biological fluids and living cells. Nanotechnology, 2011, 22, 065501.	2.6	28
1756	Nanocarriers for Nitric Oxide Delivery. Journal of Drug Delivery, 2011, 2011, 1-16.	2.5	53
1757	Synthesis, characterization and luminescent properties of Tb(III) doped Eu(III) complex nanoparticles. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2011, 2, 025015.	1.5	4
1758	Single Particle Tracking Confirms That Multivalent Tat Protein Transduction Domain-induced Heparan Sulfate Proteoglycan Cross-linkage Activates Rac1 for Internalization. Journal of Biological Chemistry, 2011, 286, 10581-10592.	3.4	32
1759	Applications of Nanotechnology for Regenerative Medicine. , 2011, , 529-540.		4
1760	Fluorescence Quenching of Quantum Dots by DNA Nucleotides and Amino Acids. Australian Journal of Chemistry, 2011, 64, 512.	0.9	21
1761	Application of Nanomedicine in Cardiovascular Diseases and Stroke. Current Pharmaceutical Design, 2011, 17, 1825-1833.	1.9	22
1762	Gold Nanostructure: Fabrication, Surface Modification, Targeting Imaging, and Enhanced Radiotherapy. Current Nanoscience, 2011, 7, 110-118.	1.2	25
1763	Homogenized tissue phantoms for quantitative evaluation of subsurface fluorescence contrast. Journal of Biomedical Optics, 2011, 16, 016013.	2.6	16
1764	Wurtzite-type ZnS nanoparticles by pulsed electric discharge. Nanotechnology, 2011, 22, 365602.	2.6	24
1765	Magnetosome-like ferrimagnetic iron oxide nanocubes for highly sensitive MRI of single cells and transplanted pancreatic islets. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2662-2667.	7.1	183
1766	Harnessing the Power of Radionuclides for Optical Imaging: Cerenkov Luminescence Imaging. Journal of Nuclear Medicine, 2011, 52, 2009-2018.	5.0	128
1767	BIOCONJUGATED QUANTUM DOTS BASED RAPID DETECTION OF PATHOGENIC BACTERIA FROM WATER SAMPLES. International Journal of Nanoscience, 2011, 10, 199-203.	0.7	3
1769	Optical limiting behavior of ring substituted zinc, indium and gallium phthalocyanines in the presence of quantum dots. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1239-1249.	0.8	26
1770	Photoluminescence dynamics of ensemble and individual CdSe/ZnS quantum dots with an alloyed core/shell interface. Journal of Applied Physics, 2011, 109, 103509.	2.5	28
1771	Nanotechnology-Based Detection and Targeted Therapy in Cancer: Nano-Bio Paradigms and Applications. Cancers, 2011, 3, 2888-2903.	3.7	100
1772	Optimizing Two-Color Semiconductor Nanocrystal Immunoassays in Single Well Microtiter Plate Formats. Sensors, 2011, 11, 7879-7891.	3.8	23
1773	Recognition-Mediated Assembly of Quantum Dot Polymer Conjugates with Controlled Morphology. International Journal of Molecular Sciences, 2011, 12, 6357-6366.	4.1	6

#	Article	IF	CITATIONS
1774	Interfacial Chemistry and the Design of Solid-Phase Nucleic Acid Hybridization Assays Using Immobilized Quantum Dots as Donors in Fluorescence Resonance Energy Transfer. Sensors, 2011, 11, 6214-6236.	3.8	39
1775	Biosensing with Quantum Dots: A Microfluidic Approach. Sensors, 2011, 11, 9732-9763.	3.8	52
1776	The Growth Mechanism of Silicon Nanodots Synthesized by Sputtering Method., 2011,,.		1
1777	Energy transfer versus charge separation in hybrid systems of semiconductor quantum dots and Ru-dyes as potential co-sensitizers of TiO2-based solar cells. Journal of Applied Physics, 2011, 110, .	2.5	42
1778	Following Glucose Oxidase Activity by Chemiluminescence and Chemiluminescence Resonance Energy Transfer (CRET) Processes Involving Enzyme-DNAzyme Conjugates. Sensors, 2011, 11, 10388-10397.	3.8	27
1779	A Large-Scale Synthesis and Characterization of Quaternary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mrow>Culr mathvariant="bold">1a^*<mml:mi>x</mml:mi></mml:mrow></mml:mrow></mml:msub><mm mathvariant="bold">22<td>ıาไ:ฮารีนb><</td><td>ext>m#nl:mtext></td></mm></mml:mrow></mml:math>	ıาไ: ฮาร ีนb><	ext>m#nl:mtext>
1780	Phase-Transfer Assisted Self-Assembly of Noble Metal Nanoparticles. Integrated Ferroelectrics, 2012, 136, 52-58.	0.7	0
1781	Semiconductor Quantum Dots Surface Modification for Potential Cancer Diagnostic and Therapeutic Applications. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	25
1782	Solid-Phase Immunoassay of Polystyrene-Encapsulated Semiconductor Coreshells for Cardiac Marker Detection. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	1
1783	Room-Temperature ZnO Nanoparticle Ethanol Gas Sensors under UV Illumination. Advanced Materials Research, 0, 486, 39-43.	0.3	2
1784	Aqueous Synthesis of CdTe Quantum Dot Using Dithiol-Functionalized Ionic Liquid. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	7
1785	Exploring Transduction Mechanisms of Protein Transduction Domains (PTDs) in Living Cells Utilizing Single-Quantum Dot Tracking (SQT) Technology. Sensors, 2012, 12, 549-572.	3.8	17
1786	Detection of Prostate Stem Cell Antigen Expression in Human Prostate Cancer Using Quantum-Dot-Based Technology. Sensors, 2012, 12, 5461-5470.	3.8	14
1787	Fabrication of CdSeS Alloyed Quantum Dots and Study on Fluorescence Lifetime. Molecular Crystals and Liquid Crystals, 2012, 566, 120-125.	0.9	5
1788	Time-Domain Fluorescence Lifetime Imaging Techniques Suitable for Solid-State Imaging Sensor Arrays. Sensors, 2012, 12, 5650-5669.	3.8	51
1789	Zinc Oxide Nanoparticle Photodetector. Journal of Nanomaterials, 2012, 2012, 1-5.	2.7	17
1790	CdSe Quantum Dots for Solar Cell Devices. International Journal of Photoenergy, 2012, 2012, 1-7.	2.5	19
1791	Quantum Dots in Biomedical Research. , 2012, , .		10

#	ARTICLE	IF	CITATIONS
1792	CdTe@SiO ₂ Particles Prepared via Reverse Microemulsion Method: A Linear Connection between Shell Thickness and Tetraethylorthosilicate. Advanced Materials Research, 2012, 463-464, 271-275.	0.3	0
1793	Amphiphilic Bio-molecules/ZnO Interface: Enhancement of Bio-affinity and Dispersibility. Chinese Physics Letters, 2012, 29, 016801.	3.3	3
1794	Fluorescent Carbon Dots and Nanodiamonds for Biological Imaging: Preparation, Application, Pharmacokinetics and Toxicity. Current Drug Metabolism, 2012, 13, 1046-1056.	1.2	75
1795	Gene Delivery by Functional Inorganic Nanocarriers. Recent Patents on DNA & Gene Sequences, 2012, 6, 108-114.	0.7	16
1796	G-Quadruplex Based Probes for Visual Detection and Sensing. Current Pharmaceutical Design, 2012, 18, 2048-2057.	1.9	65
1797	The potential clinical impact of quantum dots. Nanomedicine, 2012, 7, 623-626.	3.3	23
1798	Radioluminescent nanophosphors enable multiplexed small-animal imaging. Optics Express, 2012, 20, 11598.	3.4	50
1799	Photonic crystal slabs for surface contrast enhancement in microscopy of transparent objects. Optics Express, 2012, 20, 14451.	3.4	6
1800	Optical propagation properties in a quantum dot–DNA coupling system. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3371.	2.1	1
1801	Quantum Dot Conjugates for Optical Imaging of Cancer. , 2012, , 483-517.		0
1802	Microwave-assisted synthesis of highly luminescent CdSeTe@ZnS–SiO2 quantum dots and their application in the detection of Cu(ii). Chemical Communications, 2012, 48, 2222.	4.1	57
1803	Quantum dot electrophoretic mobility shift assay and its application to the measurement of exonuclease activity., 2012,,.		0
1804	The combined influence of surface modification, size distribution, and interaction time on the cytotoxicity of CdTe quantum dots in PANC-1 cells. Acta Biochimica Et Biophysica Sinica, 2012, 44, 241-248.	2.0	14
1805	SELF-ASSEMBLY OF HIGHLY ORDERED STRUCTURES ENABLED BY CONTROLLED EVAPORATION OF CONFINED MICROFLUIDS., 2012, , 295-349.		1
1806	Synthesis and interfacing of biocompatible iron oxide nanoparticles through the ferroxidase activity of <i>Helicobacter Pylori</i>	7.1	1
1807	Intra/Inter-Particle Energy Transfer of Luminescence Nanocrystals for Biomedical Applications. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	7
1808	Cytotoxicity of cadmium-containing quantum dots based on a study using a microfluidic chip. Nanotechnology, 2012, 23, 055102.	2.6	25
1809	Biocompatible Hybrid Plasmonic-Magnetic Nanoparticles for Bioimaging. Materials Research Society Symposia Proceedings, 2012, 1416, 54.	0.1	0

#	Article	IF	CITATIONS
1810	Preparation of Small Silicon Carbide Quantum Dots by Wet Chemical Etching. Materials Research Society Symposia Proceedings, 2012, 1468, 25.	0.1	0
1811	Sustainable Synthesis of Semiconductor Nanoparticles in a Continuous Flow Reactor. Materials Research Society Symposia Proceedings, 2012, 1386, 1.	0.1	6
1812	(Invited) Synthesis of New Fluorescent Semiconductor Nanoparticles and Their Optical Uses. ECS Transactions, 2012, 45, 131-137.	0.5	1
1813	Fabrication of Highly Fluorescent Cadmium Based Aqueous Phase Colloidal Quantum Dots for Solar Cell Applications. Advanced Materials Research, 0, 584, 313-318.	0.3	2
1814	Persistent Luminescence Nanoparticles for Bioimaging. Advances in Intelligent and Soft Computing, 2012, , 37-53.	0.2	4
1815	Investigation of ultrafast dynamics of CdTe quantum dots by femtosecond fluorescence up-conversion spectroscopy. Chinese Physics B, 2012, 21, 107801.	1.4	7
1816	Exploring cytoplasmic dynamics in zebrafish yolk cells by single particle tracking of fluorescent nanodiamonds. Proceedings of SPIE, 2012, , .	0.8	14
1817	Nanoparticles in the Pharmaceutical Industry and the Use of Supercritical Fluid Technologies for Nanoparticle Production. Current Drug Delivery, 2012, 9, 269-284.	1.6	90
1818	Trap depth optimization to improve optical properties of diopside-based nanophosphors for medical imaging. Proceedings of SPIE, 2012, , .	0.8	11
1819	In vivo and in situ imaging of head and neck squamous cell carcinoma using near-infrared fluorescent quantum dot probes conjugated with epidermal growth factor receptor monoclonal antibodies in mice. Oncology Reports, 2012, 27, 1925-31.	2.6	10
1820	Effect of tissue optics on wavelength optimization for quantum dot-based surface and subsurface fluorescence imaging. Journal of Biomedical Optics, 2012, 17, 026002.	2.6	6
1821	Mapping Molecular Diffusion in the Plasma Membrane by Multiple-Target Tracing (MTT). Journal of Visualized Experiments, 2012, , e3599.	0.3	4
1822	Imaging Depths of Near-Infrared Quantum Dots in First and Second Optical Windows. Molecular Imaging, 2012, 11, 7290.2011.00057.	1.4	63
1823	Nucleic Acid Fluorescent Probes for Biological Sensing. Applied Spectroscopy, 2012, 66, 1249-1261.	2.2	67
1824	Nanotechnology Based Diagnostic and Therapeutic Strategies for Neuroscience with Special Emphasis on Ischemic Stroke. Current Medicinal Chemistry, 2012, 19, 744-756.	2.4	29
1825	Dendrimers in Cancer Therapeutics and Diagnosis. Current Drug Metabolism, 2012, 13, 1097-1109.	1.2	37
1826	Proteomic Classification of Breast Cancer. Current Drug Targets, 2012, 13, 1495-1509.	2.1	16
1827	Fluorescent Dye Conjugates for Optical Imaging of Cancer. , 2012, , 451-482.		0

#	ARTICLE	IF	CITATIONS
1828	Multifunctional Probes for Multimodality Imaging of Cancer., 2012, , 863-903.		0
1829	Lithography of Self-assembled Semiconductor Quantum Dots on Templates Fabricated from Mixed Langmuir-Blodgett Films. Journal of Oleo Science, 2012, 61, 277-283.	1.4	3
1831	Single-Molecule Tracking in Living Cells Using Single Quantum Dot Applications. Theranostics, 2012, 2, 655-667.	10.0	36
1832	Upconversion Nanomaterials: Synthesis, Mechanism, and Applications in Sensing. Sensors, 2012, 12, 2414-2435.	3.8	249
1833	Nanocarrier Systems for Transdermal Drug Delivery. , 0, , .		11
1834	Biomedical Engineering - Technical Applications in Medicine. , 2012, , .		10
1835	Specific Labeling of Neurogenic, Endothelial, and Myogenic Differentiated Cells Derived from Human Amniotic Fluid Stem Cells with Silica-Coated Magnetic Nanoparticles. Journal of Veterinary Medical Science, 2012, 74, 969-975.	0.9	6
1836	Excitation Energy Transfer from Quantum Dots to Porphyrin J-aggregates in Hybrid Langmuir–Blodgett Multilayers. Chemistry Letters, 2012, 41, 122-124.	1.3	1
1837	- Label-Free Resonant Waveguide Grating (RWG) Biosensor Technology for Noninvasive Detection of Oncogenic Signaling Pathways in Cancer Cells., 2012,, 196-211.		0
1838	Functional Optical Imaging-based Biosensors. , 2012, , 3-19.		0
1840	Gold nanoparticle–enzyme conjugates based FRET for highly sensitive determination of hydrogen peroxide, glucose and uric acid using tyramide reaction. Analyst, The, 2012, 137, 3659.	3.5	34
1841	An effective modified method to prepare highly luminescent, highly stable water-soluble quantum dots and its preliminary application in immunoassay. Journal of Materials Chemistry, 2012, 22, 462-469.	6.7	28
1842	Aqueous Synthesis of Glutathione-Capped CdTe/CdS/ZnS and CdTe/CdSe/ZnS Core/Shell/Shell Nanocrystal Heterostructures. Langmuir, 2012, 28, 8205-8215.	3.5	98
1843	Tailoring Quantum Dot Interfaces for Improved Biofunctionality and Energy Transfer. ACS Symposium Series, 2012, , 59-79.	0.5	1
1844	DNA Functional Gold and Silver Nanomaterials for Bioanalysis. ACS Symposium Series, 2012, , 287-322.	0.5	2
1845	Tuning the Postfocused Size of Colloidal Nanocrystals by the Reaction Rate: From Theory to Application. ACS Nano, 2012, 6, 42-53.	14.6	133
1846	Neurotrophin Signaling via Long-Distance Axonal Transport. Annual Review of Physical Chemistry, 2012, 63, 571-594.	10.8	75
1847	Precursor and Oxygen Dependence of the Unidirectional, Seeded Growth of CdSe Nanorods. Chemistry of Materials, 2012, 24, 4043-4050.	6.7	3

#	ARTICLE	IF	CITATIONS
1848	Development of a Novel Fluorophore for Real-Time Biomonitoring System. PLoS ONE, 2012, 7, e48459.	2.5	13
1849	Stable water-soluble quantum dots capped by poly(ethylene glycol) modified dithiocarbamate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 410, 144-152.	4.7	14
1850	Biomolecule/Nanomaterial Hybrid Systems for Nanobiotechnology. Advances in Experimental Medicine and Biology, 2012, 733, 1-16.	1.6	16
1851	Effectively and Efficiently Dissecting the Infection of Influenza Virus by Quantum-Dot-Based Single-Particle Tracking. ACS Nano, 2012, 6, 141-150.	14.6	127
1852	Synthesis and Structural, Optical, and Dynamic Properties of Core/Shell/Shell CdSe/ZnSe/ZnS Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 25065-25073.	3.1	80
1853	Highly lipophilic fluorescent dyes in nano-emulsions: towards bright non-leaking nano-droplets. RSC Advances, 2012, 2, 11876.	3.6	133
1854	Quantum dots induce charge-specific amyloid-like fibrillation of insulin at physiological conditions. Proceedings of SPIE, 2012, , .	0.8	6
1855	Polymer coated inorganic nanoparticles: tailoring the nanocrystal surface for designing nanoprobes with biological implications. Nanoscale, 2012, 4, 3319.	5.6	81
1856	Introduction to Nanocrystallites, Properties, Synthesis, Characterizations, and Potential Applications. Springer Briefs in Molecular Science, 2012, , 1-23.	0.1	1
1858	Polymeric Nanoparticles, Magnetic Nanoparticles and Quantum Dots: Current and Future Perspectives., 2012,, 99-149.		0
1859	Detection of biomarkers using recombinant antibodies coupled to nanostructured platforms. Nano Reviews, 2012, 3, 17240.	3.7	50
1860	Controlled Microwave-Assisted Growth of Silica Nanoparticles under Acid Catalysis. ACS Applied Materials & Samp; Interfaces, 2012, 4, 6875-6883.	8.0	25
1861	Nanoparticles act as protein carriers during cellular internalization. Chemical Communications, 2012, 48, 2961.	4.1	41
1862	Biomolecule/Nanoparticle Hybrid Systems for Bioanalysis and Nanomedicine. ACS Symposium Series, 2012, , 1-31.	0.5	4
1863	Modern Micro and Nanoparticle-Based Imaging Techniques. Sensors, 2012, 12, 14792-14820.	3.8	66
1864	Review of Long-Wavelength Optical and NIR Imaging Materials: Contrast Agents, Fluorophores, and Multifunctional Nano Carriers. Chemistry of Materials, 2012, 24, 812-827.	6.7	605
1865	High-efficiency dual labeling of influenza virus for single-virus imaging. Biomaterials, 2012, 33, 7828-7833.	11.4	61
1866	Designed Short RGD Peptides for One-Pot Aqueous Synthesis of Integrin-Binding CdTe and CdZnTe Quantum Dots. ACS Applied Materials & Dots. ACS	8.0	34

#	Article	IF	Citations
1867	Recent advances in the rational design of silica-based nanoparticles for gene therapy. Therapeutic Delivery, 2012, 3, 1217-1237.	2.2	36
1868	Development of mesoporous silica nanomaterials as a vehicle for anticancer drug delivery. Therapeutic Delivery, 2012, 3, 389-404.	2.2	62
1869	Biocompatibility of Mesoporous Silica Nanoparticles. Chemical Research in Toxicology, 2012, 25, 2265-2284.	3.3	341
1870	Carbon nanomaterials field-effect-transistor-based biosensors. NPG Asia Materials, 2012, 4, e23-e23.	7.9	212
1872	In Vivo Imaging of Hematopoietic Stem Cells in the Bone Marrow Niche. Methods in Molecular Biology, 2012, 916, 231-242.	0.9	4
1873	Conjugation site modulates the in vivo stability and therapeutic activity of antibody-drug conjugates. Nature Biotechnology, 2012, 30, 184-189.	17.5	849
1874	Manipulating Energy Transfer in Copolymer-Based Nanocomposites by Their Controlled Nanocaging and Release of an Ionic Styryl Dye: A Case of an Ultrasensitive pH Sensor. Journal of Physical Chemistry B, 2012, 116, 2464-2471.	2.6	7
1875	Improving Colorimetric Assays through Protein Enzyme-Assisted Gold Nanoparticle Amplification. Accounts of Chemical Research, 2012, 45, 1511-1520.	15.6	154
1876	Sensing and Biosensing with Semiconductor Quantum Dots. Israel Journal of Chemistry, 2012, 52, 1125-1136.	2.3	9
1877	Plasmonics with Doped Quantum Dots. Israel Journal of Chemistry, 2012, 52, 983-991.	2.3	52
1878	Biodistribution of intact fluorescent CdSe/CdS/ZnS quantum dots coated by mercaptopropionic acid after intravenous injection into mice. Journal of Biophotonics, 2012, 5, 848-859.	2.3	13
1879	Quantum dot applications endowing novelty to analytical proteomics. Proteomics, 2012, 12, 2949-2961.	2.2	81
1880	Lead Selenide Nanostructured Aerogels and Xerogels. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2598-2603.	1.2	12
1881	Environmental applications and potential health implications of quantum dots. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	28
1883	Progenitor Cells. Methods in Molecular Biology, 2012, , .	0.9	2
1884	Hierarchically branched silver nanostructures (HBAgNSs) as surface plasmon regulating platforms for multiplexed colorimetric DNA detection. Journal of Materials Chemistry, 2012, 22, 20223.	6.7	25
1885	Large-Scale Synthesis of InPZnS Alloy Quantum Dots with Dodecanethiol as a Composition Controller. Journal of Physical Chemistry Letters, 2012, 3, 214-218.	4.6	72
1886	Silicon Nanopillars for Field-Enhanced Surface Spectroscopy. ACS Nano, 2012, 6, 2948-2959.	14.6	75

#	Article	IF	CITATIONS
1887	Energy transfer of CdSe/ZnS nanocrystals encapsulated with rhodamine-dye functionalized poly(acrylic acid). Journal of Photochemistry and Photobiology A: Chemistry, 2012, 248, 24-29.	3.9	15
1888	Novel mesoporous NiO/HTiNbO ₅ nanohybrids with high visible-light photocatalytic activity and good biocompatibility. Nanoscale, 2012, 4, 547-556.	5.6	47
1889	Solvent-free nanoparticle fluids with highly collective functionalities for layer-by-layer assembly. Journal of Materials Chemistry, 2012, 22, 11488.	6.7	15
1890	Synthesis of water-soluble \hat{l}^3 -aminopropyl triethoxysilane-capped ZnO:MgO nanocrystals with biocompatibility. CrystEngComm, 2012, 14, 613-619.	2.6	26
1891	Fluorescent nanohybrids: quantum dots coupled to polymer recombinant protein conjugates for the recognition of biological hazards. Journal of Materials Chemistry, 2012, 22, 9006.	6.7	31
1892	Facile single step preparation of high-performance quantum dot barcodes. Journal of Materials Chemistry, 2012, 22, 7043.	6.7	12
1893	Reversible electrochemical modulation of fluorescence and selective sensing of ascorbic acid using a DCIP-CA-CdTe QD system. Analyst, The, 2012, 137, 1094.	3.5	23
1894	How Crucial Are Finite Temperature and Solvent Effects on Structure and Absorption Spectra of Si ₁₀ ?. Journal of Physical Chemistry C, 2012, 116, 26618-26624.	3.1	4
1895	Glucose/galactose/dextran-functionalized quantum dots, iron oxide and doped semiconductor nanoparticles with <100 nm hydrodynamic diameter. RSC Advances, 2012, 2, 11915.	3.6	26
1896	Direct determination of absorption anisotropy in colloidal quantum rods. Physical Review B, 2012, 85,	3.2	73
1897	Rapid and facile synthesis of a (ZnxAgylnz)S2 nanocrystal library via sono-combichem method and its characterization including single nanocrystal analysis. Journal of Materials Chemistry, 2012, 22, 11957.	6.7	10
1898	In situ time-resolved DXAFS study of Rh nanoparticle formation mechanism in ethylene glycol at elevated temperature. Physical Chemistry Chemical Physics, 2012, 14, 2983.	2.8	20
1899	Stepwise fluorescence changes of quantum dots: Single-molecule spectroscopic studies on the properties of turn-on quantum dots. Chemical Communications, 2012, 48, 723-725.	4.1	8
1900	Quantum dot enabled thermal imaging of optofluidic devices. Lab on A Chip, 2012, 12, 2414.	6.0	27
1901	Synthesis of surface-modified monoclinic ZrO2 nanoparticles using supercritical water. CrystEngComm, 2012, 14, 2132.	2.6	44
1902	Ag2Se micropatterns via viscoelastic flow-driven phase separation. RSC Advances, 2012, 2, 4343.	3.6	3
1903	State filling dependent luminescence in hybrid tunnel coupled dot–well structures. Nanoscale, 2012, 4, 7509.	5.6	8
1904	A flow cytometry-based dopamine transporter binding assay using antagonist-conjugated quantum dots. Chemical Communications, 2012, 48, 5428.	4.1	13

#	Article	IF	CITATIONS
1905	A chloride ion nanosensor for time-resolved fluorimetry and fluorescence lifetime imaging. Analyst, The, 2012, 137, 1500.	3.5	53
1906	Optimizing conditions for encapsulation of QDs by varying PEG chain density of amphiphilic centipede-like copolymer coating and exploration of QDs probes for tumor cell targeting and tracking. New Journal of Chemistry, 2012, 36, 2383.	2.8	16
1907	Aqueous phase synthesis of widely tunable photoluminescence emission CdTe/CdS core/shell quantum dots under a totally ambient atmosphere. Journal of Materials Chemistry, 2012, 22, 16336.	6.7	31
1908	Site-selective assembly of quantum dots on patterned self-assembled monolayers fabricated by laser direct-writing. Nanotechnology, 2012, 23, 235302.	2.6	4
1909	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. Nanoscale, 2012, 4, 298-302.	5.6	84
1910	Molecular conformation dependent emission behaviour (blue, red and white light emissions) of all-trans-Î ² -carotene-ZnS quantum dot hybrid nanostructures. Journal of Materials Chemistry, 2012, 22, 18454.	6.7	16
1911	Effective Reduction of Nonspecific Binding by Surface Engineering of Quantum Dots with Bovine Serum Albumin for Cell-Targeted Imaging. Langmuir, 2012, 28, 16605-16613.	3.5	81
1912	Nanoparticle Surface Charge Mediates the Cellular Receptors Used by Protein–Nanoparticle Complexes. Journal of Physical Chemistry B, 2012, 116, 8901-8907.	2.6	127
1913	Signal Enhancement in Antibody Microarrays Using Quantum Dots Nanocrystals: Application to Potential Alzheimer's Disease Biomarker Screening. Analytical Chemistry, 2012, 84, 6821-6827.	6.5	64
1914	Visual Detection of DNA Mutation Using Multicolor Fluorescent Coding. ACS Applied Materials & Samp; Interfaces, 2012, 4, 2885-2890.	8.0	34
1915	Penetration of Amphiphilic Quantum Dots through Model and Cellular Plasma Membranes. ACS Nano, 2012, 6, 2150-2156.	14.6	59
1916	Linker-Induced Anomalous Emission of Organic-Molecule Conjugated Metal-Oxide Nanoparticles. ACS Nano, 2012, 6, 4854-4863.	14.6	10
1917	Single Quantum Dot Based Nanosensor for Renin Assay. Analytical Chemistry, 2012, 84, 8846-8852.	6.5	38
1918	Surface Charge Dependent Nanoparticle Disruption and Deposition of Lipid Bilayer Assemblies. Langmuir, 2012, 28, 17396-17403.	3.5	37
1919	On-Chip Transduction of Nucleic Acid Hybridization Using Spatial Profiles of Immobilized Quantum Dots and Fluorescence Resonance Energy Transfer. Analytical Chemistry, 2012, 84, 312-319.	6.5	51
1920	In Situ Studies of Photoluminescence Quenching and Photocurrent Yield in Quantum Dot Sensitized Single Crystal TiO2 and ZnO Electrodes. Journal of Physical Chemistry C, 2012, 116, 21069-21076.	3.1	9
1921	Highly fluorescent core–shell hybrid nanoparticles templated by a unimolecular star conjugated polymer for a biological tool. Chemical Communications, 2012, 48, 11954.	4.1	22
1922	Surface Chemistry of Quantum Dots Determines Their Behavior in Postischemic Tissue. ACS Nano, 2012, 6, 1370-1379.	14.6	21

#	Article	IF	CITATIONS
1923	Mapping DNA Quantity into Electrophoretic Mobility through Quantum Dot Nanotethers for High-Resolution Genetic and Epigenetic Analysis. ACS Nano, 2012, 6, 858-864.	14.6	17
1924	Detection of melanoma using antibody-conjugated quantum dots in a coculture model for high-throughput screening system. Analyst, The, 2012, 137, 1440.	3.5	18
1925	Norbornene-Derived Poly- <scp>d</scp> -lysine Copolymers as Quantum Dot Carriers for Neuron Growth. Biomacromolecules, 2012, 13, 2933-2944.	5.4	14
1926	Poly(ethylene glycol)-Based Multidentate Oligomers for Biocompatible Semiconductor and Gold Nanocrystals. Langmuir, 2012, 28, 2761-2772.	3.5	62
1927	Luminescence switching of CdTe quantum dots in presence of water-soluble spironaphthoxazine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 699-702.	3.9	7
1928	Electrical and interface characteristics of nanocrystalline n-Zn0.5Cd0.5S/p-Cu2S heterojunction structure prepared by dip coating. Superlattices and Microstructures, 2012, 52, 288-298.	3.1	2
1929	Ultrasonic assisted synthesis of adenosine triphosphate capped manganese-doped ZnS quantum dots for selective room temperature phosphorescence detection of arginine and methylated arginine in urine based on supramolecular Mg2+–adenosine triphosphate–arginine ternary system. Talanta, 2012, 97, 16-22.	5.5	58
1930	Highly sensitive synchronous fluorescence determination of mercury (II) based on the denatured ovalbumin coated CdTe QDs. Talanta, 2012, 99, 69-74.	5.5	51
1931	Micrococcal nuclease detection based on peptide-bridged energy transfer between quantum dots and dye-labeled DNA. Talanta, 2012, 97, 533-538.	5.5	18
1932	Evaluate the potential environmental toxicity of quantum dots on ciliated protozoa by microcalorimetry. Thermochimica Acta, 2012, 547, 62-69.	2.7	10
1933	Synthesis of multivalent N-acetyl lactosamine modified quantum dots for the study of carbohydrate and galectin-3 interactions. Tetrahedron, 2012, 68, 7148-7154.	1.9	20
1934	Single-molecule charge transfer dynamics in dye-sensitized p-type NiO solar cells: influences of insulating Al ₂ O ₃ layers. Chemical Science, 2012, 3, 370-379.	7.4	41
1935	X-ray microscopy and tomography detect the accumulation of bare and PEG-coated gold nanoparticles in normal and tumor mouse tissues. Analytical and Bioanalytical Chemistry, 2012, 404, 1287-1296.	3.7	11
1936	Enabling Biomedical Research with Designer Quantum Dots. Methods in Molecular Biology, 2012, 811, 245-265.	0.9	7
1937	Thermometry at the nanoscale. Nanoscale, 2012, 4, 4799.	5.6	1,258
1938	Photoswitchable quantum dots by controlling the photoinduced electron transfers. Chemical Communications, 2012, 48, 9174.	4.1	20
1939	PAMAM-functionalized water soluble quantum dots for cancer cell targeting. Journal of Materials Chemistry, 2012, 22, 11529.	6.7	52
1940	Nanoparticles as scaffolds for FRET-based ratiometric detection of mercury ions in water with QDs as donors. Analyst, The, 2012, 137, 3717.	3.5	70

#	Article	IF	CITATIONS
1941	Synthesis and characterization of luminescent cadmium selenide/zinc selenide/zinc sulfide cholinomimetic quantum dots. Nanoscale, 2012, 4, 4719.	5.6	2
1942	Quantum dots as liquid crystal dopants. Journal of Materials Chemistry, 2012, 22, 22350.	6.7	166
1943	One-Step Access to Luminescent Pentaaryldiazaboroles via C–C Double Bond Formation from Imidoylstannanes. Journal of the American Chemical Society, 2012, 134, 14666-14669.	13.7	14
1944	Modeling Surface Passivation of ZnS Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 2740-2750.	3.1	27
1945	High photostability and enhanced fluorescence of gold nanoclusters by silver doping. Nanoscale, 2012, 4, 7624.	5.6	102
1946	Facile Phase Transfer of Large, Water-Soluble Metal Nanoparticles to Nonpolar Solvents. Langmuir, 2012, 28, 2909-2913.	3.5	44
1947	Near-Infrared Fluorescent Nanoprobes for in Vivo Optical Imaging. Nanomaterials, 2012, 2, 92-112.	4.1	95
1948	Optical molecular sensing with semiconductor quantum dots (QDs). Chemical Society Reviews, 2012, 41, 4067.	38.1	432
1949	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.	13.7	74
1950	Photoinduced Phase Transfer of Luminescent Quantum Dots to Polar and Aqueous Media. Journal of the American Chemical Society, 2012, 134, 16370-16378.	13.7	102
1951	Electrochemical immunoassay of cotinine in serum based on nanoparticle probe and immunochromatographic strip. Analytica Chimica Acta, 2012, 713, 50-55.	5.4	39
1952	Multiplex competitive microbead-based flow cytometric immunoassay using quantum dot fluorescent labels. Analytica Chimica Acta, 2012, 750, 191-198.	5.4	35
1953	A nanoparticle-supported fluorescence resonance energy transfer system formed via layer-by-layer approach as a ratiometric sensor for mercury ions in water. Analytica Chimica Acta, 2012, 734, 69-78.	5.4	34
1954	An overview of the analytical characterization of nanostructured drug delivery systems: Towards green and sustainable pharmaceuticals: A review. Analytica Chimica Acta, 2012, 744, 8-22.	5.4	56
1955	Direct monophasic replacement of fatty acid by DMSA on SPION surface. Applied Surface Science, 2012, 258, 9685-9691.	6.1	18
1956	Chemical stability of CdSe quantum dots in seawater and their effects on a marine microalga. Aquatic Toxicology, 2012, 122-123, 153-162.	4.0	68
1957	Synthesis and characterization of carbon nanotubes covalently functionalized with amphiphilic polymer coated superparamagnetic nanocrystals. Journal of Colloid and Interface Science, 2012, 383, 110-117.	9.4	13
1958	Fabrication of quantum dots-encoded microbeads with a simple capillary fluidic device and their application for biomolecule detection. Journal of Colloid and Interface Science, 2012, 385, 8-14.	9.4	7

#	Article	IF	CITATIONS
1959	Biodistribution and stability of CdSe core quantum dots in mouse digestive tract following per os administration: Advantages of double polymer/silica coated nanocrystals. Biochemical and Biophysical Research Communications, 2012, 419, 54-59.	2.1	39
1960	Bacteria-mediated in vivo delivery of quantum dots into solid tumor. Biochemical and Biophysical Research Communications, 2012, 425, 769-774.	2.1	46
1961	Visible light-emitting and temperature-sensitive copolymer gel/ZnO nanocomposites loaded with surface-modified ZnO nanoparticles having polyethylene glycol chains. European Polymer Journal, 2012, 48, 1177-1185.	5.4	4
1962	HER2 monoclonal antibody conjugated RNase-A-associated CdTe quantum dots for targeted imaging and therapy of gastric cancer. Biomaterials, 2012, 33, 7093-7102.	11.4	80
1963	Covalent conjugation of avidin with dye-doped silica nanopaticles and preparation of high density avidin nanoparticles as photostable bioprobes. Biosensors and Bioelectronics, 2012, 37, 75-81.	10.1	18
1964	Bioconjugation of quantum-dots with chitosan and N,N,N-trimethyl chitosan. Carbohydrate Polymers, 2012, 90, 189-196.	10.2	51
1965	Highly sensitive fluorescence resonance energy transfer (FRET)-based nanosensor for rapid detection of clenbuterol. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 035011.	1.5	8
1966	On the pH-Dependent Quenching of Quantum Dot Photoluminescence by Redox Active Dopamine. Journal of the American Chemical Society, 2012, 134, 6006-6017.	13.7	213
1967	Chromium-oxide enhancement of photo-oxidation of CdSe/ZnS quantum dot solids. Journal of Applied Physics, 2012, 111, .	2.5	16
1968	Surface Doping Quantum Dots with Chemically Active Native Ligands: Controlling Valence without Ligand Exchange. Chemistry of Materials, 2012, 24, 4231-4241.	6.7	33
1969	Intracellular nucleic acid interactions facilitated by quantum dots: conceptualizing theranostics. Therapeutic Delivery, 2012, 3, 479-499.	2.2	4
1970	A Waferâ€Level Integrated Whiteâ€Lightâ€Emitting Diode Incorporating Colloidal Quantum Dots as a Nanocomposite Luminescent Material. Advanced Materials, 2012, 24, 5915-5918.	21.0	34
1971	Functionalized CdSe/ZnS QDs for the Detection of Nitroaromatic or RDX Explosives. Advanced Materials, 2012, 24, 6416-6421.	21.0	167
1974	Conjugation of Transferrin to Azideâ€Modified CdSe/ZnS Core–Shell Quantum Dots using Cyclooctyne Click Chemistry. Angewandte Chemie - International Edition, 2012, 51, 10523-10527.	13.8	87
1975	Development of Proteinâ€Cageâ€Based Delivery Nanoplatforms by Polyvalently Displaying <i>ìî²</i> àâ€Cyclodextrins on the Surface of Ferritins Through Copper(I)â€Catalyzed Azide/Alkyne Cycloaddition. Macromolecular Bioscience, 2012, 12, 1452-1458.	4.1	19
1976	Labeling of neuronal receptors and transporters with quantum dots. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 605-619.	6.1	18
1977	Crystal Structures of Photovoltaic Chalcogenides, an Intricate Puzzle to Solve: the Cases of CIGSe and CZTS Materials. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2571-2577.	1,2	111
1978	Application of quantum dot nanoparticles for potential non-invasive bio-imaging of mammalian spermatozoa. Journal of Nanobiotechnology, 2012, 10, 45.	9.1	55

#	ARTICLE	IF	CITATIONS
1979	Fluorogenic Quantum Dot-Gold Nanoparticle Assembly for Beta Secretase Inhibitor Screening in Live Cell. Analytical Chemistry, 2012, 84, 8595-8601.	6.5	56
1980	CTAB-capped Mn-doped ZnS quantum dots and label-free aptamer for room-temperature phosphorescence detection of mercury ions. Analyst, The, 2012, 137, 4651.	3.5	59
1981	Current status of gene delivery: spotlight on nanomaterial-polymer hybrids. Journal of Drug Targeting, 2012, 20, 648-666.	4.4	14
1983	In vivo assessment of CdSe–ZnS quantum dots: coating dependent bioaccumulation and genotoxicity. Nanoscale, 2012, 4, 6401.	5. 6	79
1984	Magnetic nanoparticles modified with DTPA-AMC-rare earth for fluorescent and magnetic resonance dual mode imaging. Dalton Transactions, 2012, 41, 8723.	3.3	24
1985	Functionalized Nanoparticles and Chitosan-Based Functional Nanomaterials. Advances in Polymer Science, 2012, , 1-50.	0.8	4
1987	Cytotoxicity of quantum dots assay on a microfluidic 3D-culture device based on modeling diffusion process between blood vessels and tissues. Lab on A Chip, 2012, 12, 3474.	6.0	54
1988	Plasmonic Manipulation of Color and Morphology of Single Silver Nanospheres. Nano Letters, 2012, 12, 5418-5421.	9.1	95
1989	Quantum Dots and Fluorescent Protein FRET-Based Biosensors. Advances in Experimental Medicine and Biology, 2012, 733, 63-74.	1.6	25
1990	CdTe and CdSe quantum dots: synthesis, characterizations and applications in agriculture. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 043001.	1.5	20
1991	Synthesis of Inorganic Nanocrystals for Biological Fluorescence Imaging. Frontiers of Nanoscience, 2012, , 81-114.	0.6	3
1992	Defect-related luminescent materials: synthesis, emission properties and applications. Chemical Society Reviews, 2012, 41, 7938.	38.1	244
1993	Determination of the Intracellular Stability of Gold Nanoparticle Monolayers Using Mass Spectrometry. Analytical Chemistry, 2012, 84, 4321-4326.	6. 5	40
1995	<i>In Vivo</i> Cancer Targeting and Imaging-Guided Surgery with Near Infrared-Emitting Quantum Dot Bioconjugates. Theranostics, 2012, 2, 769-776.	10.0	61
1996	Switching Off FRET in the Hybrid Assemblies of Diblock Copolymer Micelles, Quantum Dots, and Dyes by Plasmonic Nanoparticles. ACS Nano, 2012, 6, 5051-5059.	14.6	62
1997	Design and study of activatable ("OFF/ON") quantum dots (Qdots): Ligand selection for Qdot surface modification for controlling Qdot fluorescence quenching and restoration. Proceedings of SPIE, 2012, , .	0.8	0
1998	Dual-emission of a fluorescent graphene oxide–quantum dot nanohybrid for sensitive and selective visual sensor applications based on ratiometric fluorescence. Nanotechnology, 2012, 23, 315502.	2.6	41
1999	One-pot synthesis of N-doped carbon dots with tunable luminescence properties. Journal of Materials Chemistry, 2012, 22, 16714.	6.7	358

#	ARTICLE	IF	CITATIONS
2000	Utilizing the folate receptor for active targeting of cancer nanotherapeutics. Nano Reviews, 2012, 3, 18496.	3.7	392
2001	High-sensitivity nanosensors for biomarker detection. Chemical Society Reviews, 2012, 41, 2641-2655.	38.1	278
2002	Synthesis and application of luminescent single CdS quantum dot encapsulated silica nanoparticles directed for precision optical bioimaging. International Journal of Nanomedicine, 2012, 7, 3769.	6.7	27
2003	Spectroscopic studies on the interaction between ZnSe nanoparticles with bovine serum albumin. Journal of Luminescence, 2012, 132, 2968-2974.	3.1	26
2004	Sensitive Detection of microRNA with Isothermal Amplification and a Single-Quantum-Dot-Based Nanosensor. Analytical Chemistry, 2012, 84, 224-231.	6.5	218
2005	Bifunctional catechol based linkers for modification of TiO ₂ surfaces. Journal of Materials Chemistry, 2012, 22, 735-741.	6.7	34
2006	Detection of Femtomolar Proteins by Nonfluorescent ZnS Nanocrystal Clusters. Analytical Chemistry, 2012, 84, 1645-1652.	6.5	25
2007	Developing luminescent silver nanodots for biological applications. Chemical Society Reviews, 2012, 41, 1867-1891.	38.1	535
2008	Multicolor light emitters based on energy exchange between Tb and Eu ions co-doped into ultrasmall \hat{l}^2 -NaYF4 nanocrystals. Journal of Materials Chemistry, 2012, 22, 5356.	6.7	37
2009	Highly Enhanced Affinity of Multidentate versus Bidentate Zwitterionic Ligands for Long-Term Quantum Dot Bioimaging. Langmuir, 2012, 28, 15177-15184.	3.5	105
2010	Preparation, Characterization, and Surface Modification of Trifluoroethyl Ester-Terminated Silicon Nanoparticles. Chemistry of Materials, 2012, 24, 4311-4318.	6.7	34
2011	Robust and Highly Sensitive Fluorescence Approach for Point-of-Care Virus Detection Based on Immunomagnetic Separation. Analytical Chemistry, 2012, 84, 2358-2365.	6.5	73
2012	Myosin-Driven Intercellular Transportation of Wheat Germ Agglutinin Mediated by Membrane Nanotubes between Human Lung Cancer Cells. ACS Nano, 2012, 6, 10033-10041.	14.6	52
2013	Bovine serum albumin-coated quantum dots as a cytoplasmic viscosity probe in a single living cell. Analytical Methods, 2012, 4, 1903.	2.7	25
2014	Enzyme-responsive nanoparticles for drug release and diagnostics. Advanced Drug Delivery Reviews, 2012, 64, 967-978.	13.7	607
2015	Multilayered, core/shell nanoprobes based on magnetic ferric oxide particles andÂquantum dots for multimodality imaging of breast cancer tumors. Biomaterials, 2012, 33, 8486-8494.	11.4	105
2016	Recent advances in synthesis and surface modification of lanthanide-doped upconversion nanoparticles for biomedical applications. Biotechnology Advances, 2012, 30, 1551-1561.	11.7	285
2017	Synthesis and photoluminescence characterization of dendrimer-encapsulated CdS quantum dots. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 411, 12-17.	4.7	15

#	Article	IF	Citations
2018	Colloidal ZnSe quantum dot as pH probes for study of enzyme reaction kinetics by fluorescence spectroscopic technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 414, 174-179.	4.7	18
2019	A simplistic one-pot method to produce magnetic graphene-CdS nanocomposites. Comptes Rendus Chimie, 2012, 15, 714-718.	0.5	6
2020	Fluorescence resonance energy transfer quenching at the surface of graphene quantum dots for ultrasensitive detection of TNT. Talanta, 2012, 101, 192-197.	5.5	198
2021	Lanthanide ion-based luminescent nanomaterials for bioimaging. TrAC - Trends in Analytical Chemistry, 2012, 39, 60-71.	11.4	36
2022	Advances in functional fluorescent and luminescent probes for imaging intracellular small-molecule reactive species. TrAC - Trends in Analytical Chemistry, 2012, 39, 3-37.	11.4	83
2023	Spectroscopic investigations of Fe3+ doped poly vinyl alcohol (PVA) capped ZnSe nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 100-104.	3.9	15
2024	Surface modification of SiO2 beads with multiple hydrophobic quantum dots for bioapplications. Journal of Non-Crystalline Solids, 2012, 358, 3069-3073.	3.1	9
2025	Synthesis and controlled assembly of α-FeOOH and α-Fe2O3 nanobelt arrays on hollow glass spheres. Materials Research Bulletin, 2012, 47, 3976-3982.	5.2	8
2026	Quantitative characterization of the lipid encapsulation of quantum dots for biomedical applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1190-1199.	3.3	24
2027	Quantitative molecular profiling of biomarkers for pancreatic cancer with functionalized quantum dots. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1043-1051.	3.3	37
2028	Time-Resolved, Confocal Single-Molecule Tracking of Individual Organic Dyes and Fluorescent Proteins in Three Dimensions. ACS Nano, 2012, 6, 8922-8932.	14.6	41
2029	Quantum dots: heralding a brighter future for clinical diagnostics. Nanomedicine, 2012, 7, 1755-1769.	3.3	40
2030	Characterization methods for nanostructure of materials. , 2012, , 267-315.		0
2031	Superlocalization Spectral Imaging Microscopy of a Multicolor Quantum Dot Complex. Analytical Chemistry, 2012, 84, 1504-1509.	6.5	27
2032	Room temperature synthesis of hydrophilic Ln3+-doped KGdF4 (Ln = Ce, Eu, Tb, Dy) nanoparticles with controllable size: energy transfer, size-dependent and color-tunable luminescence properties. Nanoscale, 2012, 4, 3450.	5.6	92
2033	Recent Advances in Nanoparticle-Based Förster Resonance Energy Transfer for Biosensing, Molecular Imaging and Drug Release Profiling. International Journal of Molecular Sciences, 2012, 13, 16598-16623.	4.1	119
2034	Systematically investigation of interactions between BSA and different charge-capped CdSe/ZnS quantum dots. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 249, 53-60.	3.9	41
2035	Nanoclusters of Iron Oxide: Effect of Core Composition on Structure, Biocompatibility, and Cell Labeling Efficacy. Bioconjugate Chemistry, 2012, 23, 941-950.	3.6	13

#	Article	IF	CITATIONS
2036	Ratiometric optical oxygen sensing: a review in respect of material design. Analyst, The, 2012, 137, 4885.	3.5	198
2037	CHAPTER 2. Fluorophore Conjugates for Single Molecule Work. RSC Biomolecular Sciences, 2012, , 34-74.	0.4	0
2038	A Novel Clinically Translatable Fluorescent Nanoparticle for Targeted Molecular Imaging of Tumors in Living Subjects. Nano Letters, 2012, 12, 281-286.	9.1	120
2039	Nitrogen-doped mesoporous nanohybrids of TiO2 nanoparticles and HTiNbO5 nanosheets with a high visible-light photocatalytic activity and a good biocompatibility. Journal of Materials Chemistry, 2012, 22, 19122.	6.7	52
2040	Silanization of Low-Temperature-Plasma Synthesized Silicon Quantum Dots for Production of a Tunable, Stable, Colloidal Solution. Journal of Physical Chemistry C, 2012, 116, 3979-3987.	3.1	22
2041	Nanotechnology-based approaches in anticancer research. International Journal of Nanomedicine, 2012, 7, 4391.	6.7	217
2042	The Effect of Surface Coating on Energy Migration-Mediated Upconversion. Journal of the American Chemical Society, 2012, 134, 20849-20857.	13.7	405
2043	Quantum Dot Enabled Molecular Sensing and Diagnostics. Theranostics, 2012, 2, 631-654.	10.0	134
2044	Solution synthesis of copper selenide nanocrystals and their electrical transport properties. CrystEngComm, 2012, 14, 2139.	2.6	54
2045	Photoluminescence Properties of Self-Assembled Monolayers of CdSe and CdSe/ZnS Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 5456-5459.	3.1	11
2046	Nanotheranostics & Damp; ndash; a review of recent publications. International Journal of Nanomedicine, 2012, 7, 4679.	6.7	105
2047	Quantum-dot-based biosensor for simultaneous detection of biomarker and therapeutic drug: first steps toward an assay for quantitative pharmacology. Analyst, The, 2012, 137, 1205.	3.5	29
2048	A novel quantum dot–laccase hybrid nanobiosensor for low level determination of dopamine. Analyst, The, 2012, 137, 5553.	3.5	61
2049	Engineered Nanoparticles in Textiles and Textile Wastewaters. Comprehensive Analytical Chemistry, 2012, 59, 235-264.	1.3	7
2050	A first-principles study of II–VI (II = Zn; VI = O, S, Se, Te) semiconductor nanostructures. Journal of Materials Chemistry, 2012, 22, 21453.	6.7	45
2051	Evidence for the Role of Holes in Blinking: Negative and Oxidized CdSe/CdS Dots. ACS Nano, 2012, 6, 9125-9132.	14.6	92
2052	Microwave synthesis of Cu-doped ternary ZnCdS quantum dots with composition-controllable photoluminescence. Wuhan University Journal of Natural Sciences, 2012, 17, 217-222.	0.4	6
2053	Phosphorylcholine Self-Assembled Monolayer-Coated Quantum Dots: Real-Time Imaging of Live Animals by Cell Surface Mimetic Glyco-Nanoparticles. Clinics in Laboratory Medicine, 2012, 32, 73-87.	1.4	3

#	Article	IF	CITATIONS
2054	Nano-Biotechnology for Biomedical and Diagnostic Research. Advances in Experimental Medicine and Biology, 2012, , .	1.6	5
2055	Optically Stable Biocompatible Flame-Made SiO ₂ -Coated Y ₂ O ₃ :Tb ³⁺ Nanophosphors for Cell Imaging. ACS Nano, 2012, 6, 3888-3897.	14.6	71
2056	Design and Development of Light-Sensitive Chitosan-Based Nanocarriers for Gene Delivery. Advances in Science and Technology, $0, \dots$	0.2	1
2057	Protein Electrophoresis. Methods in Molecular Biology, 2012, , .	0.9	30
2058	Growth kinetics of CdSe quantum dots generated in polar polymers. Dalton Transactions, 2012, 41, 14354.	3.3	4
2059	Multifunctional Nanoparticles for Drug Delivery Applications. Nanostructure Science and Technology, 2012, , .	0.1	31
2060	Understanding Oligonucleotide-Templated Nanocrystals: Growth Mechanisms and Surface Properties. ACS Nano, 2012, 6, 8136-8143.	14.6	14
2061	Photoelectrochemical immunoassay for microcystin-LR based on a fluorine-doped tin oxide glass electrode modified with a CdS-graphene composite. Mikrochimica Acta, 2012, 179, 163-170.	5.0	39
2062	A fluorescent sandwich assay for thrombin using aptamer modified magnetic beads and quantum dots. Mikrochimica Acta, 2012, 178, 349-355.	5.0	18
2063	Nonendocytic Delivery of Functional Engineered Nanoparticles into the Cytoplasm of Live Cells Using a Novel, High-Throughput Microfluidic Device. Nano Letters, 2012, 12, 6322-6327.	9.1	80
2066	Methods for Analysis of Amyloid-β Aggregates. Journal of Alzheimer's Disease, 2012, 28, 735-758.	2.6	62
2067	Semiconductor Quantum Dots as FRET Acceptors for Multiplexed Diagnostics and Molecular Ruler Application. Advances in Experimental Medicine and Biology, 2012, 733, 75-86.	1.6	15
2068	Synthesis of Tunable and Multifunctional Ni-Doped Near-Infrared QDs for Cancer Cell Targeting and Cellular Sorting. Bioconjugate Chemistry, 2012, 23, 421-430.	3.6	48
2069	Supersensitive, Ultrafast, and Broad-Band Light-Harvesting Scheme Employing Carbon Nanotube/TiO ₂ Core–Shell Nanowire Geometry. ACS Nano, 2012, 6, 6687-6692.	14.6	80
2070	Differential Förster Resonance Energy Transfer from the Excimers of Poly(N-vinylcarbazole) to Coumarin 153. Journal of Physical Chemistry B, 2012, 116, 4693-4701.	2.6	12
2071	Dynamics of Lesion Processing by Bacterial Nucleotide Excision Repair Proteins. Progress in Molecular Biology and Translational Science, 2012, 110, 1-24.	1.7	31
2072	Novel colorimetric assay of LSD1 activity using gold nanoparticles. Analyst, The, 2012, 137, 2669.	3.5	11
2073	A facile approach for the delivery of inorganic nanoparticles into the brain by passing through the blood–brain barrier (BBB). Chemical Communications, 2012, 48, 61-63.	4.1	44

#	ARTICLE	IF	CITATIONS
2074	Physicochemical properties and cellular toxicity of (poly)aminoalkoxysilanes-functionalized ZnO quantum dots. Nanotechnology, 2012, 23, 335101.	2.6	81
2075	The photophysical and energy transfer behaviour of low symmetry phthalocyanine complexes conjugated to coreshell quantum dots: an energy transfer study. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 247, 82-92.	3.9	16
2076	The Textbook of Angiogenesis and Lymphangiogenesis: Methods and Applications. , 2012, , .		4
2077	Synthesis of blue emitting InP/ZnS quantum dots through control of competition between etching and growth. Nanotechnology, 2012, 23, 485609.	2.6	39
2078	On the Use of pH Titration to Quantitatively Characterize Colloidal Nanoparticles. Langmuir, 2012, 28, 15141-15149.	3.5	38
2079	Magnetic-room temperature phosphorescent multifunctional nanocomposites as chemosensor for detection and photo-driven enzyme mimetics for degradation of 2,4,6-trinitrotoluene. Journal of Materials Chemistry, 2012, 22, 4720.	6.7	29
2080	Synthesis of polypeptide conjugated with near infrared fluorescence probe and doxorubicin for pH-responsive and image-guided drug delivery. Journal of Materials Chemistry, 2012, 22, 22290.	6.7	29
2081	Novel Fluorescence Method for Detection of \hat{l}_{\pm} - <scp> < scp>-Fucosidase Based on CdTe Quantum Dots. Analytical Chemistry, 2012, 84, 4077-4082.</scp>	6.5	39
2082	Adsorption–Desorption Study of BSA Conjugated Silver Nanoparticles (Ag/BSA NPs) on Collagen Immobilized Substrates. Langmuir, 2012, 28, 17043-17052.	3. 5	24
2083	Quantum dot based turn-on fluorescent probes for anion sensing. Nanoscale, 2012, 4, 5954.	5.6	33
2084	Preparation and Analytical Applications of Quantum Dots. , 2012, , 169-187.		5
2085	Quantum dot–nucleic acid/aptamer bioconjugate-based fluorimetric biosensors. Biochemical Society Transactions, 2012, 40, 635-639.	3.4	35
2086	Persistent Luminescence Nanoparticles for Diagnostics and Imaging. ACS Symposium Series, 2012, , 1-25.	0.5	16
2087	Detection of DNA Hybridization via Fluorescence Intensity Variations of ZnSe-DNA Quantum Dot Biosensors. Analytical Letters, 2012, 45, 227-241.	1.8	3
2088	Ultra-Bright and -Stable Red and Near-Infrared Squaraine Fluorophores for In Vivo Two-Photon Imaging. PLoS ONE, 2012, 7, e51980.	2.5	42
2089	Mesoporous silica nanoparticles as a compound delivery system in zebrafish embryos. International Journal of Nanomedicine, 2012, 7, 1875.	6.7	51
2090	Hydrothermal Routes for the Synthesis of CdSe Core Quantum Dots. , 0, , .		1
2091	Bioconjugated nanomaterials on devices for infectious disease diagnostics. Frontiers in Bioscience - Elite, 2012, E4, 101.	1.8	O

#	ARTICLE	IF	Citations
2092	Microtribological Behavior of Polymer-Nanoparticle Thin Film with AFM., 0,,.		O
2094	Nanobiotechnology and Nanostructured Therapeutic Delivery Systems. Recent Patents on Biomedical Engineering, 2012, 5, 29-40.	0.5	5
2095	PEGylated Phospholipid Micelle-Encapsulated Near-Infrared PbS Quantum Dots for in vitro and in vivo Bioimaging. Theranostics, 2012, 2, 723-733.	10.0	66
2096	Cellâ€surface sensors: lighting the cellular environment. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 547-561.	6.1	25
2097	Physiological behavior of quantum dots. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 620-637.	6.1	6
2098	A Redoxâ€Switchable Au ₈ â€Cluster Sensor. Small, 2012, 8, 2099-2105.	10.0	10
2099	Highly Luminescent–Paramagnetic Nanophosphor Probes for In Vitro Highâ€Contrast Imaging of Human Breast Cancer Cells. Small, 2012, 8, 3028-3034.	10.0	46
2100	Light absorption by colloidal semiconductor quantum dots. Journal of Materials Chemistry, 2012, 22, 10406.	6.7	153
2101	Alternating layer addition approach to CdSe/CdS core/shell quantum dots with near-unity quantum yield and high on-time fractions. Chemical Science, 2012, 3, 2028.	7.4	207
2102	Microwave-assisted synthesis of highly luminescent glutathione-capped Zn1â^xCdxTe alloyed quantum dots with excellent biocompatibility. Journal of Materials Chemistry, 2012, 22, 11390.	6.7	29
2103	Highly Luminescent InP/GaP/ZnS Nanocrystals and Their Application to White Light-Emitting Diodes. Journal of the American Chemical Society, 2012, 134, 3804-3809.	13.7	306
2104	Room temperature synthesis of PbSe quantum dots in aqueous solution: stabilization by interactions with ligands. Nanoscale, 2012, 4, 1312.	5 . 6	39
2105	Control the size and surface chemistry of graphene for the rising fluorescent materials. Chemical Communications, 2012, 48, 4527.	4.1	384
2106	Molecular Interaction of Proteins and Peptides with Nanoparticles. ACS Nano, 2012, 6, 4585-4602.	14.6	378
2108	TEMED-Enhanced Photoluminescent Imaging of Human Serum Proteins by Quantum Dots After PAGE. Methods in Molecular Biology, 2012, 869, 511-520.	0.9	0
2109	Biological applications of magnetic nanoparticles. Chemical Society Reviews, 2012, 41, 4306.	38.1	1,079
2110	Chemical Techniques., 2012,, 35-204.		2
2111	Biotinylation of quantum dots for application in fluoroimmunoassays with biotin-avidin amplification. Mikrochimica Acta, 2012, 176, 287-293.	5.0	15

#	Article	IF	CITATIONS
2112	Red, green and blue lasing enabled by single-exciton gain in colloidal quantum dot films. Nature Nanotechnology, 2012, 7, 335-339.	31.5	498
2113	Polystyrene nanoparticles doped with a luminescent europium complex. Journal of Colloid and Interface Science, 2012, 376, 12-19.	9.4	26
2114	Quantum dots in cancer therapy. Expert Opinion on Drug Delivery, 2012, 9, 47-58.	5.0	45
2115	Multicolor core/shell silicananoparticles for in vivo and ex vivo imaging. Nanoscale, 2012, 4, 824-830.	5.6	55
2116	Molecular Engineering of Hybrid Dye–Silica Fluorescent Nanoparticles: Influence of the Dye Structure on the Distribution of Fluorophores and Consequent Photoemission Brightness. Chemistry of Materials, 2012, 24, 2792-2801.	6.7	35
2117	Egg white-mediated green synthesis of silver nanoparticles with excellent biocompatibility and enhanced radiation effects on cancer cells. International Journal of Nanomedicine, 2012, 7, 2101.	6.7	102
2119	Nanoparticle-based artificial RNA silencing machinery for antiviral therapy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12387-12392.	7.1	63
2120	Ensemble Brightening and Enhanced Quantum Yield in Size-Purified Silicon Nanocrystals. ACS Nano, 2012, 6, 7389-7396.	14.6	92
2121	Bioimaging of Hyaluronic Acid Derivatives Using Nanosized Carbon Dots. Biomacromolecules, 2012, 13, 2554-2561.	5.4	162
2122	The Influence of the Thermal Effect on CdSe/ZnS Quantum Dots in Light-Emitting Diodes. Journal of Lightwave Technology, 2012, 30, 2256-2261.	4.6	61
2123	Synthesis of Luminescent Covalent–Organic Polymers for Detecting Nitroaromatic Explosives and Small Organic Molecules. Macromolecular Rapid Communications, 2012, 33, 1184-1190.	3.9	213
2124	Sizeâ€Ţunable Polymeric Nanoreactors for Oneâ€Pot Synthesis and Encapsulation of Quantum Dots. Macromolecular Rapid Communications, 2012, 33, 1393-1398.	3.9	27
2125	Determination of nicotinyl pesticide residues in vegetables by micellar electrokinetic capillary chromatography with quantum dot indirect laserâ€induced fluorescence. Electrophoresis, 2012, 33, 2192-2196.	2.4	38
2126	Quantum dots hold promise for early cancer imaging and detection. International Journal of Cancer, 2012, 131, 519-528.	5.1	82
2127	Rapid protein concentration, efficient fluorescence labeling and purification on a micro/nanofluidics chip. Lab on A Chip, 2012, 12, 2664.	6.0	34
2128	Rapid Transformation of Protein-Caged Nanomaterials into Microbubbles As Bimodal Imaging Agents. ACS Nano, 2012, 6, 5111-5121.	14.6	23
2129	Probing the interaction of bovine haemoglobin with gold nanoparticles. IET Nanobiotechnology, 2012, 6, 26.	3.8	17
2130	Immobilisation of quantum dots by bio-orthogonal PCR amplification and labelling for direct gene detection and quantitation. Chemical Communications, 2012, 48, 5467.	4.1	8

#	Article	IF	CITATIONS
2131	Tailor-Made Quantum Dot and Iron Oxide Based Contrast Agents for <i>in Vitro</i> and <i>in Vivo</i> Tumor Imaging. ACS Nano, 2012, 6, 3346-3355.	14.6	100
2132	Theranostic liposomes loaded with quantum dots and apomorphine for brain targeting and bioimaging. International Journal of Nanomedicine, 2012, 7, 1599.	6.7	82
2133	Hybrid Semiconducting Polymer Dot–Quantum Dot with Narrow-Band Emission, Near-Infrared Fluorescence, and High Brightness. Journal of the American Chemical Society, 2012, 134, 7309-7312.	13.7	113
2134	A pilot study in non-human primates shows no adverse response to intravenous injection of quantum dots. Nature Nanotechnology, 2012, 7, 453-458.	31.5	397
2135	3-Mercaptobutyric Acid as an Effective Capping Agent for Highly Luminescent CdTe Quantum Dots: New Insight into the Selection of Mercapto Acids. Journal of Physical Chemistry C, 2012, 116, 12346-12352.	3.1	45
2136	Photofabrication of Fullerene-Shelled Quantum Dots Supramolecular Nanoparticles for Solar Energy Harvesting. ACS Nano, 2012, 6, 1601-1608.	14.6	51
2137	Easy Synthesis and Imaging Applications of Cross-Linked Green Fluorescent Hollow Carbon Nanoparticles. ACS Nano, 2012, 6, 400-409.	14.6	467
2138	CdSeS/ZnS Alloyed Nanocrystal Lifetime and Blinking Studies under Electrochemical Control. ACS Nano, 2012, 6, 912-918.	14.6	69
2139	Functionalization of (CdSe)ZnS nanoparticles in reverse micelles of Aerosol OT. Colloid Journal, 2012, 74, 445-455.	1.3	2
2140	Short-Lived, Intense and Narrow Bluish-Green Emitting Gold Zinc Sulfide Semiconducting Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 16680-16686.	3.1	11
2141	The effects of doping and shell thickness on the optical and magnetic properties of Mn/Cu/Fe-doped and Co-doped ZnS nanowires/ZnO quantum dots/SiO2 heterostructures. Journal of Applied Physics, 2012, 112, .	2.5	21
2142	Fabrication and Fibroblast Attachment Property of Regenerated Silk Fibroin/Tetramethoxysilane Nanofibrous Biocomposites. Advanced Engineering Materials, 2012, 14, B258.	3.5	5
2143	From Bioconjugation to Selfâ€Assembly in Nanobiotechnology: Quantum Dots Trapped and Stabilized by Toroid Protein Yoctowells. Advanced Engineering Materials, 2012, 14, B344.	3.5	9
2144	Encapsulation of Nanoparticles Using Nitrilotriacetic Acid Endâ€Functionalized Polystyrenes and Their Application for the Separation of Proteins. Advanced Functional Materials, 2012, 22, 4032-4037.	14.9	17
2145	Quantum Dot Nanoarrays: Selfâ€Assembly With Singleâ€Particle Control and Resolution. Advanced Materials, 2012, 24, 2207-2211.	21.0	32
2146	Hybrid Nanoparticles for Detection and Treatment of Cancer. Advanced Materials, 2012, 24, 3779-3802.	21.0	406
2147	Crafting Semiconductor Organicâ^Inorganic Nanocomposites via Placing Conjugated Polymers in Intimate Contact with Nanocrystals for Hybrid Solar Cells. Advanced Materials, 2012, 24, 4353-4368.	21.0	127
2151	Nonblinking Plasmonic Quantum Dot Assemblies for Multiplex Biological Detection. Angewandte Chemie - International Edition, 2012, 51, 8773-8777.	13.8	41

#	Article	IF	CITATIONS
2152	Crystalâ€Planeâ€Dependent Photoluminescence of Pentacene 1Dâ€Wire and 2Dâ€Disk Crystals. Angewandte Chemie - International Edition, 2012, 51, 6383-6388.	13.8	51
2153	Microwaveâ€Assisted Synthesis of Biofunctional and Fluorescent Silicon Nanoparticles Using Proteins as Hydrophilic Ligands. Angewandte Chemie - International Edition, 2012, 51, 8485-8489.	13.8	123
2154	Quantum Dotâ€Based Screening System for Discovery of G Proteinâ€Coupled Receptor Agonists. ChemBioChem, 2012, 13, 1503-1508.	2.6	11
2155	A Uniform Subâ€50â€nmâ€Sized Magnetic/Upconversion Fluorescent Bimodal Imaging Agent Capable of Generating Singlet Oxygen by Using a 980â€nm Laser. Chemistry - A European Journal, 2012, 18, 7082-7090.	3.3	143
2156	A Strategy for Dramatically Enhancing the Selectivity of Molecules Showing Aggregationâ€Induced Emission towards Biomacromolecules with the Aid of Graphene Oxide. Chemistry - A European Journal, 2012, 18, 7278-7286.	3.3	49
2157	ZnO@silica core–shell nanoparticles with remarkable luminescence and stability in cell imaging. Journal of Materials Chemistry, 2012, 22, 13159.	6.7	91
2158	Optical Properties of Quantum Dot Nano-composite Materials Studied by Solid-State Theory Calculations., 2012,, 869-899.		0
2159	Magnetic Fe3O4 nanoparticles coupled with a fluorescent Eu complex for dual imaging applications. Chemical Communications, 2012, 48, 2952.	4.1	43
2160	Scope and Limitations of Surface Functional Group Quantification Methods: Exploratory Study with Poly(acrylic acid)-Grafted Micro- and Nanoparticles. Journal of the American Chemical Society, 2012, 134, 8268-8276.	13.7	87
2161	New hybrid photochromic materials with switchable fluorescence. Nanotechnologies in Russia, 2012, 7, 308-317.	0.7	7
2162	Polymeric assemblies and nanoparticles with stimuli-responsive fluorescence emission characteristics. Chemical Communications, 2012, 48, 3262.	4.1	138
2163	Single Dye Molecule Behavior in Fluorescent Core–Shell Silica Nanoparticles. Chemistry of Materials, 2012, 24, 361-372.	6.7	29
2164	Design and Engineering of Multifunctional Quantum Dot-Based Nanoparticles for Simultaneous Therapeutic-Diagnostic Applications. Nanostructure Science and Technology, 2012, , 345-365.	0.1	6
2165	Toxicity and genotoxicity of organic and inorganic nanoparticles to the bacteria Vibrio fischeri and Salmonella typhimurium. Ecotoxicology, 2012, 21, 637-648.	2.4	64
2166	Investigation and Development of Quantum Dot-Encoded Microsphere Bioconjugates for DNA Detection by Flow Cytometry. Journal of Fluorescence, 2012, 22, 685-697.	2.5	11
2167	Cisplatin and quantum dots encapsulated in liposomes as multifunctional nanocarriers for theranostic use in brain and skin. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	18
2168	The Interactions of Glutathione-Capped CdTe Quantum Dots with Trypsin. Biological Trace Element Research, 2012, 146, 396-401.	3.5	20
2169	Recent trends in molecular beacon design and applications. Analytical and Bioanalytical Chemistry, 2012, 402, 3091-3102.	3.7	65

#	Article	IF	CITATIONS
2170	Synthesis of CdS/SiO2/polymer tri-layer fluorescent nanospheres with functional polymer shells. Chinese Journal of Polymer Science (English Edition), 2012, 30, 359-369.	3.8	6
2171	Luminescent quantum dots as platforms for probing in vitro and in vivo biological processes. Advanced Drug Delivery Reviews, 2012, 64, 138-166.	13.7	386
2172	Toxicological effect of MPA–CdSe QDs exposure on zebrafish embryo and larvae. Chemosphere, 2012, 89, 52-59.	8.2	48
2173	Multiple hydrophobic QDs assembled in SiO2 particles using silane coupling agent. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 397, 92-98.	4.7	7
2174	Preparation of quasi-monodispersed CdxZn1â^'xS nanocrystals and their optical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 398, 48-53.	4.7	14
2175	Compact PEGylated polymer-caged quantum dots with improved stability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 402, 72-79.	4.7	26
2176	Polyelectrolyte multilayer capsules with quantum dots for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2012, 90, 211-216.	5.0	32
2177	Enhanced tissue penetration-induced high bonding strength of a novel tissue adhesive composed of cholesteryl group-modified gelatin and disuccinimidyl tartarate. Colloids and Surfaces B: Biointerfaces, 2012, 91, 48-56.	5.0	39
2178	Bright luminescent, colloidal stable silica coated CdSe/ZnS nanocomposite by an in situ, one-pot surface functionalization. Journal of Colloid and Interface Science, 2012, 365, 41-45.	9.4	22
2179	Submicron Y2O3 particles codoped with Eu and Tb ions: Size controlled synthesis and tuning the luminescence emission. Journal of Colloid and Interface Science, 2012, 373, 14-19.	9.4	30
2180	Facile synthesis and multicolor luminescent properties of uniform Lu2O3:Ln (Ln=Eu3+, Tb3+, Yb3+/Er3+,) Tj ETQc	10,0,0 rgB1	Overlock
2181	Superparamagnetic and fluorescent thermo-responsive core–shell–corona hybrid nanogels with a protective silica shell. Journal of Colloid and Interface Science, 2012, 374, 45-53.	9.4	47
2182	Facile method for synthesis of hollow porous magnetic microspheres with controllable structure. Journal of Colloid and Interface Science, 2012, 375, 70-77.	9.4	17
2183	A displacement assay for the sensing of carbohydrate using zinc oxide biotracers. Electrochimica Acta, 2012, 60, 50-54.	5.2	6
2184	Improved performance of CdSe quantum dot-sensitized TiO2 thin film by surface treatment with TiCl4. Electrochimica Acta, 2012, 62, 396-401.	5.2	41
2185	ZnS quantum dots as pH probes for study of enzyme reaction kinetics. Enzyme and Microbial Technology, 2012, 51, 47-52.	3.2	15
2186	Nanoprobes for inÂvitro diagnostics of cancer and infectious diseases. Biomaterials, 2012, 33, 189-206.	11.4	128
2187	Silica-shell cross-linked micelles encapsulating fluorescent conjugated polymers for targeted cellular imaging. Biomaterials, 2012, 33, 237-246.	11.4	54

#	Article	IF	CITATIONS
2188	An activatable multimodal/multifunctional nanoprobe for direct imaging of intracellular drug delivery. Biomaterials, 2012, 33, 1500-1508.	11.4	55
2189	Mechanisms underlying toxicity induced by CdTe quantum dots determined in an invertebrate model organism. Biomaterials, 2012, 33, 1991-2000.	11.4	105
2190	Long-term theranostic hydrogel system for solid tumors. Biomaterials, 2012, 33, 2251-2259.	11.4	72
2191	The cytotoxic effects of polymer-coated quantum dots and restrictions for live cell applications. Biomaterials, 2012, 33, 4882-4888.	11.4	83
2192	Bright blue emitting CuSe/ZnS/silica core/shell/shell quantum dots and their biocompatibility. Biomaterials, 2012, 33, 6420-6429.	11.4	43
2193	Passivation-promoted photoluminescence efficiency of CdSe/PVP nanocrystals by photoactivation. Materials Chemistry and Physics, 2012, 133, 655-660.	4.0	6
2194	Spectroscopically characterized cadmium sulfide quantum dots lengthening the lag phase of Escherichia coli growth. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 92, 29-32.	3.9	17
2195	Photon antibunching in enhanced photoluminescence of a single CdSe/ZnS nanocrystal by silver nanostructures. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 237, 24-30.	3.9	14
2196	Functionalized ME-capped CdSe quantum dots based luminescence probe for detection of Ba2+ ions. Sensors and Actuators B: Chemical, 2012, 164, 76-81.	7.8	128
2197	Synthesis and luminescence characteristics of DHLA-capped PbSe quantum dots with biocompatibility. Optical Materials, 2012, 34, 793-798.	3.6	13
2198	Self-assembly behavior of polymer-assisted clays. Progress in Polymer Science, 2012, 37, 406-444.	24.7	104
2199	Synthesis, biocompatibility and luminescence properties of quantum dots conjugated with amino acid-functionalized \hat{l}^2 -cyclodextrin. Journal of Luminescence, 2012, 132, 16-22.	3.1	22
2200	Copper- or manganese-doped ZnS quantum dots as fluorescent probes for detecting folic acid in aqueous media. Journal of Luminescence, 2012, 132, 987-991.	3.1	99
2201	Interaction of different thiol-capped CdTe quantum dots with bovine serum albumin. Journal of Luminescence, 2012, 132, 1695-1700.	3.1	36
2202	Coherent optical spectroscopy in a biological semiconductor quantum dot-DNA hybrid system. Nanoscale Research Letters, 2012, 7, 133.	5.7	7
2203	Synthesis of Thermo―and pHâ€ S ensitive Polyion Complex Micelles for Fluorescent Imaging. Chemistry - A European Journal, 2012, 18, 2297-2304.	3.3	36
2204	βâ€Cyclodextrin/Glycyrrhizic Acid Functionalised Quantum Dots Selectively Enter Hepatic Cells and Induce Apoptosis. Chemistry - A European Journal, 2012, 18, 1650-1658.	3.3	27
2205	Synthesis and Fluorescent Properties of Carbazoleâ€6ubstituted Hydroxyethylcelluloses. Macromolecular Chemistry and Physics, 2012, 213, 57-63.	2.2	17

#	Article	IF	CITATIONS
2206	Efficient Light Emitters in the Solid State: Synthesis, Aggregationâ€Induced Emission, Electroluminescence, and Sensory Properties of Luminogens with Benzene Cores and Multiple Triarylvinyl Peripherals. Advanced Functional Materials, 2012, 22, 378-389.	14.9	198
2207	A Convenient Preparation of Multiâ€Spectral Microparticles by Bacteriaâ€Mediated Assemblies of Conjugated Polymer Nanoparticles for Cell Imaging and Barcoding. Advanced Materials, 2012, 24, 637-641.	21.0	93
2208	Quantumâ€Dotâ€Tagged Reduced Graphene Oxide Nanocomposites for Bright Fluorescence Bioimaging and Photothermal Therapy Monitored In Situ. Advanced Materials, 2012, 24, 1748-1754.	21.0	320
2209	Mn ²⁺ Dopantâ€Controlled Synthesis of NaYF ₄ :Yb/Er Upconversion Nanoparticles for in vivo Imaging and Drug Delivery. Advanced Materials, 2012, 24, 1226-1231.	21.0	758
2210	Learning from "Coffee Rings― Ordered Structures Enabled by Controlled Evaporative Selfâ€Assembly. Angewandte Chemie - International Edition, 2012, 51, 1534-1546.	13.8	404
2211	Flow injection analysis of volatile phenols in environmental water samples using CdTe/ZnSe nanocrystals as a fluorescent probe. Analytical and Bioanalytical Chemistry, 2012, 402, 895-901.	3.7	13
2212	Impact of cell division on intracellular uptake and nuclear targeting with fluorescent SiCâ€based nanoparticles. Journal of Biophotonics, 2013, 6, 291-297.	2.3	28
2213	A novel fluorescent assay for oxytetracycline hydrochloride based on fluorescence quenching of waterâ€soluble CdTe nanocrystals. Luminescence, 2013, 28, 378-383.	2.9	24
2214	Fluorescent labeling of chitosan for use in non-invasive monitoring of degradation in tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 39-50.	2.7	41
2215	Investigating bioconjugation by atomic force microscopy. Journal of Nanobiotechnology, 2013, 11, 25.	9.1	19
2216	Nitric oxide and cancer: a review. World Journal of Surgical Oncology, 2013, 11, 118.	1.9	449
2217	White-light photoluminescence and photoactivation in cadmium sulfide embedded in mesoporous silicon dioxide templates studied by confocal laser scanning microscopy. Journal of Colloid and Interface Science, 2013, 407, 47-59.	9.4	8
2218	A Simple QD–FRET Bioprobe for Sensitive and Specific Detection of Hepatitis B Virus DNA. Journal of Fluorescence, 2013, 23, 1089-1098.	2.5	24
2219	Quantum Dots (QDs) Based Fluorescent Sensor for the Selective Determination of Nimesulide. Journal of Fluorescence, 2013, 23, 473-478.	2.5	18
2220	Determination of Epinephrine in Pharmaceutical Formulation by an Optimized Novel Luminescence Method Using CdS Quantum Dots as Sensitizer. Journal of Fluorescence, 2013, 23, 227-235.	2.5	29
2221	NanoBiotechnology Protocols. Methods in Molecular Biology, 2013, , .	0.9	1
2222	Interactions of core–shell quantum dots with metal resistant bacterium Cupriavidus metallidurans: Consequences for Cu and Pb removal. Journal of Hazardous Materials, 2013, 261, 123-129.	12.4	12
2223	A competitive displacement assay with quantum dots as fluorescence resonance energy transfer donors. Analytica Chimica Acta, 2013, 759, 92-99.	5.4	21

#	Article	IF	CITATIONS
2224	Luminescence Enhancement of Carboxyl-Coated CdTe Quantum Dots by Silver Nanoparticles. Plasmonics, 2013, 8, 1147-1153.	3.4	6
2225	Targeting human c-Myc promoter duplex DNA with actinomycin D by use of multi-way analysis of quantum-dot-mediated fluorescence resonance energy transfer. Analytical and Bioanalytical Chemistry, 2013, 405, 6271-6280.	3.7	13
2226	Singletâ€Oxygenâ€Sensitizing Nearâ€Infraredâ€Fluorescent Multimodal Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 10559-10563.	13.8	60
2227	Relative and absolute determination of fluorescence quantum yields of transparent samples. Nature Protocols, 2013, 8, 1535-1550.	12.0	863
2228	Synthesis of Mn-modified CdTe nanoparticles and their application as fluorescence probe. Journal of Luminescence, 2013, 143, 436-441.	3.1	5
2229	Photoinduced Electron Transfer of ZnS–AgInS2 Solid-Solution Semiconductor Nanoparticles: Emission Quenching and Photocatalytic Reactions Controlled by Electrostatic Forces. Journal of Physical Chemistry C, 2013, 117, 15667-15676.	3.1	18
2230	Nanocomposite liposomes containing quantum dots and anticancer drugs for bioimaging and therapeutic delivery: a comparison of cationic, PEGylated and deformable liposomes. Nanotechnology, 2013, 24, 325101.	2.6	52
2231	Multifunctional PEGylated nanoclusters for biomedical applications. Nanoscale, 2013, 5, 5994.	5.6	41
2232	Polystyrene nanoparticle exposure induces ion-selective pores in lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2215-2222.	2.6	19
2233	Regulating properties of quantum dots: effect of methyl side groups of mercapto acids. RSC Advances, 2013, 3, 4935.	3.6	6
2234	Study of Interaction between Metallothionein and CdTe Quantum Dots. Chromatographia, 2013, 76, 345-353.	1.3	31
2235	Quantum Dots as Biomarker. , 2013, , 75-97.		2
2236	Carbon nanotubes as optical biomedical sensors. Advanced Drug Delivery Reviews, 2013, 65, 1933-1950.	13.7	324
2237	Imaging Intracellular Quantum Dots: Fluorescence Microscopy and Transmission Electron Microscopy. Methods in Molecular Biology, 2013, 1026, 21-33.	0.9	7
2238	Facile, sensitive, and ratiometric detection of mercuric ions using GSH-capped semiconductor quantum dots. Analyst, The, 2013, 138, 3230.	3.5	36
2239	Photoluminescence Stability of Colloidal CdTe Quantum Dots in Various Buffer Solutions. Journal of Cluster Science, 2013, 24, 427-437.	3.3	7
2240	DNA Nanotechnology. , 2013, , .		5
2241	Anisotropy of electron-phonon interaction in nanoscale CdSe platelets as seen via off-resonant and resonant Raman spectroscopy. Physical Review B, 2013, 88, .	3.2	43

#	Article	IF	CITATIONS
2242	Semiconducting quantum confined silicon–tin alloyed nanocrystals prepared by ns pulsed laser ablation in water. Nanoscale, 2013, 5, 6725.	5.6	19
2243	Direct and Indirect Toxic Effects of Engineered Nanoparticles on Algae: Role of Natural Organic Matter. ACS Sustainable Chemistry and Engineering, 2013, 1, 686-702.	6.7	154
2244	Proper design of silica nanoparticles combines high brightness, lack of cytotoxicity and efficient cell endocytosis. Nanoscale, 2013, 5, 7897.	5.6	47
2245	Rare earth fluorides upconversion nanophosphors: from synthesis to applications in bioimaging. CrystEngComm, 2013, 15, 7142.	2.6	54
2246	Nanoparticles for improving cancer diagnosis. Materials Science and Engineering Reports, 2013, 74, 35-69.	31.8	94
2247	Cysteine-Mediated Aggregation of Au Nanoparticles: The Development of a H ₂ O ₂ Sensor and Oxidase-Based Biosensors. ACS Nano, 2013, 7, 7278-7286.	14.6	153
2248	Exciton polarizability and absorption spectra in CdSe/ZnS nanocrystal quantum dots in electric fields. Journal of Applied Physics, 2013, 114, .	2.5	12
2249	Hybrid effect of doped and de-doped poly(3-methylthiophene) nanowires with CdSe/ZnS quantum dots: Nanoscale luminescence variation. Synthetic Metals, 2013, 164, 22-26.	3.9	5
2250	DNA Conjugation to Nanoparticles. Methods in Molecular Biology, 2013, 1025, 9-18.	0.9	1
2251	Effect of CdTe Quantum Dots Size on the Conformational Changes of Human Serum Albumin: Results of Spectroscopy and Isothermal Titration Calorimetry. Biological Trace Element Research, 2013, 155, 150-158.	3.5	34
2252	In Vivo Whole Animal Fluorescence Imaging of a Microparticle-Based Oral Vaccine Containing (CulnSexS2–x)/ZnS Core/Shell Quantum Dots. Nano Letters, 2013, 13, 4294-4298.	9.1	98
2253	Amplified electrochemiluminescence detection of cancer cells using a new bifunctional quantum dot as signal probe. Biosensors and Bioelectronics, 2013, 50, 368-372.	10.1	33
2254	Coreâ€"shell nanocarriers with ZnO quantum dots-conjugated Au nanoparticle for tumor-targeted drug delivery. Carbohydrate Polymers, 2013, 92, 1124-1132.	10.2	66
2255	Avian Antibodies for Staphylococcal Enterotoxin B as an Efficient Tool for FRET-Based Fluoroimmunosensor. BioNanoScience, 2013, 3, 232-240.	3.5	6
2256	Labeling Acetyl- and Butyrylcholinesterase Using Semiconductor Nanocrystals for Biological Applications. BioNanoScience, 2013, 3, 1-11.	3.5	9
2257	N-Acetylglucosamine biofunctionalized CdSeTe quantum dots as fluorescence probe for specific protein recognition. Analyst, The, 2013, 138, 666-670.	3.5	12
2258	Self-assembly of quantum dots/denatured BSA-oligonucleotides bioconjugate and its application on aptameric gold nanoparticles-based biosensor for the determination of rHuEPO- $\hat{l}\pm$. Biosensors and Bioelectronics, 2013, 43, 446-452.	10.1	18
2259	Probing Biocatalytic Transformations with Luminescent DNA/Silver Nanoclusters. Nano Letters, 2013, 13, 309-314.	9.1	132

#	Article	IF	CITATIONS
2260	Convection-enhanced delivery of targeted quantum dot–immunoliposome hybrid nanoparticles to intracranial brain tumor models. Nanomedicine, 2013, 8, 1913-1925.	3.3	22
2261	Direct synthesis of Zn1â°'x Cd x S (0â $@\frac{1}{2}$ xâ $@\frac{1}{2}$ 1) quantum dots in aqueous solution and application in biology. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 265-268.	1.0	O
2262	An IMPLICATION logic gate based on citrate-capped gold nanoparticles with thiocyanate and iodide as inputs. Analyst, The, 2013, 138, 6677.	3.5	22
2264	Enhanced detection of myeloperoxidase activity in deep tissues through luminescent excitation of near-infrared nanoparticles. Nature Medicine, 2013, 19, 500-505.	30.7	112
2265	Aqueous Manganese-Doped Core/Shell CdTe/ZnS Quantum Dots with Strong Fluorescence and High Relaxivity. Journal of Physical Chemistry C, 2013, 117, 18752-18761.	3.1	58
2266	Facile synthesis of QD-anchored composite particles with magnetite cluster cores (nFe3O4@SiO2@QDs). Materials Research Bulletin, 2013, 48, 2191-2195.	5.2	11
2267	Multifunctional PNIPAM/Fe3O4â€"ZnS hybrid hollow spheres: Synthesis, characterization, and properties. Journal of Colloid and Interface Science, 2013, 397, 73-79.	9.4	19
2268	Simulation of a broadband nano-biosensor based on an onion-like quantum dot–quantum well structure. Quantum Electronics, 2013, 43, 674-678.	1.0	3
2269	Robust and specific ratiometric biosensing using a copper-free clicked quantum dot–DNA aptamer sensor. Nanoscale, 2013, 5, 10307.	5.6	43
2270	Tailoring ZnSe–CdSe Colloidal Quantum Dots <i>via</i> Cation Exchange: From Core/Shell to Alloy Nanocrystals. ACS Nano, 2013, 7, 7913-7930.	14.6	161
2271	Quantum-Dot-Based Förster Resonance Energy Transfer Immunoassay for Sensitive Clinical Diagnostics of Low-Volume Serum Samples. ACS Nano, 2013, 7, 7411-7419.	14.6	140
2272	Recent development of dihydrolipoic acid appended ligands for robust and biocompatible quantum dots. Proceedings of SPIE, 2013, , .	0.8	1
2273	Two-photon excited quantum dots as energy donors for photosensitizer chlorin e6. Journal of Biomedical Optics, 2013, 18, 078002.	2.6	31
2274	Quantum dot approaches for target-based drug screening and multiplexed active biosensing. Nanoscale, 2013, 5, 12072.	5.6	27
2275	Quantum Dot Conjugates of GABA and Muscimol: Binding to $\hat{l}\pm1\hat{l}^22\hat{l}^32$ and \ddot{l} GABAA Receptors. ACS Chemical Neuroscience, 2013, 4, 435-443.	3.5	11
2276	Pharmacokinetic Issues of Imaging with Nanoparticles: Focusing on Carbon Nanotubes and Quantum Dots. Molecular Imaging and Biology, 2013, 15, 507-520.	2.6	28
2277	Carbon Nanoparticle-based Fluorescent Bioimaging Probes. Scientific Reports, 2013, 3, 1473.	3.3	642
2278	Nano-bio interfaces probed by advanced optical spectroscopy: From model system studies to optical biosensors. Science Bulletin, 2013, 58, 2537-2556.	1.7	11

#	Article	IF	CITATIONS
2279	Nitroxide-mediated polymerization. Progress in Polymer Science, 2013, 38, 63-235.	24.7	1,167
2280	Defining and Using Very Small Crystals. , 2013, , 343-369.		6
2281	Colloidal Stability of Gold Nanoparticles Coated with Multithiol-Poly(ethylene glycol) Ligands: Importance of Structural Constraints of the Sulfur Anchoring Groups. Journal of Physical Chemistry C, 2013, 117, 18947-18956.	3.1	59
2282	Recent advances in micro/nano-particles for clinical detection of cancer biomarkers. Analytical Methods, 2013, 5, 5862.	2.7	8
2283	A "wrap-and-wrest―mechanism of fluorescence quenching of CdSe/ZnS quantum dots by surfactant molecules. Nanoscale, 2013, 5, 9908.	5.6	14
2284	A general approach to prepare conjugated polymer dot embedded silica nanoparticles with a SiO2@CP@SiO2 structure for targeted HER2-positive cellular imaging. Nanoscale, 2013, 5, 8593.	5.6	33
2285	Comparative study on coating CdSe nanocrystals with surfactants. Mikrochimica Acta, 2013, 180, 1341-1350.	5.0	5
2286	Rapid screening and identification of dominant B cell epitopes of HBV surface antigen by quantum dot-based fluorescence polarization assay. Nanoscale Research Letters, 2013, 8, 118.	5.7	14
2287	The development of APE-PCR for the cloning of genomic insertion sites of DNA elements. Biologia (Poland), 2013, 68, 766-772.	1.5	4
2288	Selenium nanoparticles induced membrane bio-mechanical property changes in MCF-7 cells by disturbing membrane molecules and F-actin. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6296-6303.	2.2	72
2289	A robust ligand exchange approach for preparing hydrophilic, biocompatible photoluminescent quantum dots. Materials Research Bulletin, 2013, 48, 2836-2842.	5.2	10
2290	Multifuctional Fe 3 O 4 @C/YVO 4:Dy 3+ nanopowers: Preparation, luminescence and magnetic properties. Ceramics International, 2013, 39, 6391-6397.	4.8	12
2291	Effects of x-ray and gamma-ray irradiation on the optical properties of quantum dots immobilized in porous silicon. , 2013 , , .		5
2292	Synthesis and photoluminescence of semiconductor quantum dots/cetyltrimethylammonium bromide vesicle core/shell nanostructures. Applied Surface Science, 2013, 276, 359-362.	6.1	5
2293	Differentiation of cancer cell type and phenotype using quantum dot-gold nanoparticle sensor arrays. Cancer Letters, 2013, 334, 196-201.	7.2	35
2294	An optical humidity sensor based on CdTe nanocrystals modified porous silicon. Microchemical Journal, 2013, 108, 100-105.	4.5	20
2295	Quantum Dots as Multifunctional Materials for Tumor Imaging and Therapy. Materials, 2013, 6, 483-499.	2.9	29
2296	Conjugated Polyelectrolytes with Aggregationâ€Enhanced Emission Characteristics: Synthesis and their Biological Applications. Chemistry - an Asian Journal, 2013, 8, 2436-2445.	3.3	41

#	ARTICLE	IF	CITATIONS
2297	Microfluidic immunodetection of cancer cells via site-specific microcontact printing of antibodies on nanoporous surface. Methods, 2013, 63, 266-275.	3.8	10
2298	Signal Amplification <i>via</i> Biological Self-Assembly of Surface-Engineered Quantum Dots for Multiplexed Subattomolar Immunoassays and Apoptosis Imaging. ACS Nano, 2013, 7, 9416-9427.	14.6	45
2299	Detection of melamine based on the fluorescence resonance energy transfer between CdTe QDs and Rhodamine B. Food Chemistry, 2013, 141, 4060-4065.	8.2	61
2300	Ru(phen)32+ doped silica nanoparticle based immunochromatographic strip for rapid quantitative detection of \hat{l}^2 -agonist residues in swine urine. Talanta, 2013, 114, 160-166.	5.5	51
2301	MoS ₂ Nanocrystals Confined in a DNA Matrix Exhibiting Energy Transfer. Langmuir, 2013, 29, 11471-11478.	3.5	31
2302	Caspase-1 Activity in Microglia Stimulated by Pro-Inflammagen Nanocrystals. ACS Nano, 2013, 7, 9585-9598.	14.6	30
2303	Photoinduced Energy Transfer in Artificial Photosynthetic Systems., 2013,, 729-765.		0
2304	Volume labeling with Alexa Fluor dyes and surface functionalization of highly sensitive fluorescent silica (SiO2) nanoparticles. Nanoscale, 2013, 5, 10369.	5 . 6	20
2305	Field Effect Biosensing Platform Based on 2D α-MoO ₃ . ACS Nano, 2013, 7, 9753-9760.	14.6	161
2306	In vitro cytotoxicity of CdSe/ZnS quantum dots with different surface coatings to human keratinocytes HaCaT cells. Journal of Environmental Sciences, 2013, 25, 163-171.	6.1	41
2307	Luminescent gold nanoparticles: A new class of nanoprobes for biomedical imaging. Experimental Biology and Medicine, 2013, 238, 1199-1209.	2.4	41
2308	Quenching of coumarin emission by CdSe and CdSe/ZnS quantum dots: Implications for fluorescence reporting. Journal of Luminescence, 2013, 141, 99-105.	3.1	18
2309	Intrinsic Focusing of the Particle Size Distribution in Colloids Containing Nanocrystals of Two Different Crystal Phases. ACS Nano, 2013, 7, 11242-11254.	14.6	53
2310	Precise control of photoluminescence enhancement and quenching of semiconductor quantum dots using localized surface plasmons in metal nanoparticles. Journal of Applied Physics, 2013, 114, .	2.5	22
2311	An ultrasensitive quantum dots fluorescent polarization immunoassay based on the antibody modified Au nanoparticles amplifying for the detection of adenosine triphosphate. Analytica Chimica Acta, 2013, 802, 67-73.	5.4	19
2312	Understanding the Occurrence of the Maximum Band-Edge Photoluminescence of TGA-Capped CdS QDs via Growth Kinetic Study. Crystal Growth and Design, 2013, 13, 5220-5228.	3.0	12
2313	One-Step Instant Synthesis of Protein-Conjugated Quantum Dots at Room Temperature. Scientific Reports, 2013, 3, 2825.	3.3	84
2315	Ammonia vapor sensor based on CdSe/SiO2 core–shell nanoparticles embedded in sol–gel matrix. Sensors and Actuators B: Chemical, 2013, 188, 702-708.	7.8	40

#	Article	IF	CITATIONS
2316	Quantum dot–NBD–liposome luminescent probes for monitoring phospholipase A2 activity. Analytical and Bioanalytical Chemistry, 2013, 405, 9729-9737.	3.7	16
2317	Polymer-coated quantum dots. Nanoscale, 2013, 5, 12018.	5.6	106
2318	Spray-assisted silar deposition of cadmium sulphide quantum dots on metal oxide films for excitonic solar cells. Journal of Power Sources, 2013, 240, 736-744.	7.8	19
2319	Understanding the Self-Assembly of Proteins onto Gold Nanoparticles and Quantum Dots Driven by Metal-Histidine Coordination. ACS Nano, 2013, 7, 10197-10210.	14.6	102
2320	On the Characterization of the Surface Chemistry of Quantum Dots. Nano Letters, 2013, 13, 5075-5078.	9.1	37
2321	Mimicking cellular transport mechanism in stem cells through endosomal escape of new peptide-coated quantum dots. Scientific Reports, 2013, 3, 2184.	3.3	37
2322	Quantum Dot Light-Emitting Diodes in the Visible Region: Energy Level of Ligands and Their Role in Controlling Interdot Spacing and Device Performance. Journal of Physical Chemistry C, 2013, 117, 25390-25396.	3.1	6
2323	Effect of Protons on CdSe and CdSe–ZnS Nanocrystals in Organic Solution. Langmuir, 2013, 29, 13352-13358.	3.5	5
2325	New Frontiers of Nanoparticles and Nanocomposite Materials. Advanced Structured Materials, 2013, , .	0.5	8
2326	Alumina/polymer-coated nanocrystals with extremely high stability used as a color conversion material in LEDs. Nanotechnology, 2013, 24, 505714.	2.6	12
2327	Structural and functional aspects of the interaction of proteins and peptides with nanoparticles. Nanotechnologies in Russia, 2013, 8, 700-720.	0.7	8
2328	Fluorescent quantum dots: Synthesis, modification, and application in immunoassays. Nanotechnologies in Russia, 2013, 8, 685-699.	0.7	7
2329	Electrophoretic study of peptideâ€mediated quantum dotâ€human immunoglobulin bioconjugation. Electrophoresis, 2013, 34, 2725-2732.	2.4	22
2333	Hyperbranched Conjugated Polyelectrolytes for Biological Sensing and Imaging. Macromolecular Rapid Communications, 2013, 34, 705-715.	3.9	28
2334	Sensitive fluorescence response of ZnSe(S) quantum dots: an efficient fluorescence probe. Physica Scripta, 2013, 87, 065802.	2.5	14
2335	Mixed Aerogels from Au and CdTe Nanoparticles. Advanced Functional Materials, 2013, 23, 1903-1911.	14.9	60
2336	Synthesis of Y3Al5O12:Ce3+ colloidal nanocrystals by pulsed laser ablation and their luminescent properties. Journal of Alloys and Compounds, 2013, 576, 195-200.	5.5	30
2337	Multiparameter-dependent spontaneous emission in PbSe quantum dot-doped liquid-core multi-mode fiber. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	10

#	Article	IF	CITATIONS
2338	Systematic investigation of interactions between papain and MPA-capped CdTe quantum dots. Molecular Biology Reports, 2013, 40, 5781-5789.	2.3	12
2339	Organic-sulfur-zinc hybrid nanoparticle for optical applications synthesized via polycondensation of trithiol and Zn(OAc)2. Nanoscale Research Letters, 2013, 8, 373.	5.7	6
2340	Color-tunable up-conversion emission in Y2O3:Yb3+, Er3+ nanoparticles prepared by polymer complex solution method. Nanoscale Research Letters, 2013, 8, 131.	5.7	36
2341	Laser-induced growth of nanocrystals embedded in porous materials. Nanoscale Research Letters, 2013, 8, 266.	5.7	10
2342	Effect of organic materials used in the synthesis on the emission from CdSe quantum dots. Journal of the Korean Physical Society, 2013, 63, 2301-2304.	0.7	1
2343	Comprehensive annotation of microRNA expression profiles. BMC Genetics, 2013, 14, 120.	2.7	14
2344	Photoluminescence decay rate engineering of CdSe quantum dots in ensemble arrays embedded with gold nano-antennae. Journal of Applied Physics, 2013, 114, 064305.	2.5	21
2345	Controlling the Physical and Biological Properties of Highly Fluorescent Aqueous Quantum Dots Using Block Copolymers of Different Size and Shape. ACS Nano, 2013, 7, 9156-9167.	14.6	48
2346	PEGylated Luminescent Gold Nanoclusters: Synthesis, Characterization, Bioconjugation, and Application to One―and Twoâ€Photon Cellular Imaging. Particle and Particle Systems Characterization, 2013, 30, 453-466.	2.3	108
2347	Multifunctional effects of Cys–CdTe QDs conjugated with gambogic acid for cancer cell tracing and inhibition. RSC Advances, 2013, 3, 6518.	3.6	14
2348	Surfactant sculpting of biologically inspired hierarchical surfaces. Soft Matter, 2013, 9, 9857.	2.7	4
2349	High-Resolution Scanning Tunneling Microscopy Characterization of Mixed Monolayer Protected Gold Nanoparticles. ACS Nano, 2013, 7, 8529-8539.	14.6	76
2350	Multidentate Zwitterionic Ligands Provide Compact and Highly Biocompatible Quantum Dots. Journal of the American Chemical Society, 2013, 135, 13786-13795.	13.7	144
2351	Semiconductor Nanostructures for Energy and Biomedical Applications. Journal of Physical Chemistry Letters, 2013, 4, 2975-2976.	4.6	4
2352	Enzyme responsive materials: design strategies and future developments. Biomaterials Science, 2013, 1, 11-39.	5.4	257
2353	Ferredoxin:NADP ⁺ oxidoreductase in junction with CdSe/ZnS quantum dots: characteristics of an enzymatically active nanohybrid. Journal of Physics Condensed Matter, 2013, 25, 194102.	1.8	11
2354	Probing intra-cellular drug release event using activatable (OFF/ON) CdS:Mn/ZnS quantum dots (Qdots): spectroscopic studies to investigate interaction of Qdots with quencher., 2013,,.		1
2356	Functional Near Infrared-Emitting Cr ³⁺ /Pr ³⁺ Co-Doped Zinc Gallogermanate Persistent Luminescent Nanoparticles with Superlong Afterglow for <i>in Vivo</i> Targeted Bioimaging. Journal of the American Chemical Society, 2013, 135, 14125-14133.	13.7	578

#	Article	IF	CITATIONS
2357	Evaluation of nanoparticles as endocytic tracers in cellular microbiology. Nanoscale, 2013, 5, 9296.	5.6	32
2358	Materialsâ€Based Receptors: Design Principle and Applications. Chemistry - A European Journal, 2013, 19, 6914-6936.	3.3	19
2359	Quantification of cardiovascular disease biomarkers via functionalized magnetic beads and on-demand detachable quantum dots. Nanoscale, 2013, 5, 8609.	5.6	13
2360	Development of nanoimprinted InP QDs decorated polyaniline solar cell with conversion efficiency 3%. Organic Electronics, 2013, 14, 2762-2769.	2.6	42
2361	The Use of Silver Nanorod Array-Based Surface-Enhanced Raman Scattering Sensor for Food Safety Applications. ACS Symposium Series, 2013, , 85-108.	0.5	9
2362	Evaluation of Anti-Inflammatory Drug-Conjugated Silicon Quantum Dots: Their Cytotoxicity and Biological Effect. International Journal of Molecular Sciences, 2013, 14, 1323-1334.	4.1	24
2363	Determination of IO4â^ and Ni2+ ions using l-cysteine-CdTe/ZnS quantum dots as pH-dependent fluorescent probes. Analytical Methods, 2013, 5, 1695.	2.7	27
2364	Thioglycerol-capped Mn-doped ZnS quantum dotbioconjugates as efficient two-photon fluorescent nano-probes for bioimaging. Journal of Materials Chemistry B, 2013, 1, 698-706.	5.8	86
2365	Ultrasensitive Imaging in Live Cells Using Fluorescent Quantum Dots. Cold Spring Harbor Protocols, 2013, 2013, pdb.top078220.	0.3	3
2366	Functionalization of quantum dots with multidentate zwitterionic ligands: impact on cellular interactions and cytotoxicity. Journal of Materials Chemistry B, 2013, 1, 6137.	5.8	29
2367	Chemically differentiating ascorbate-mediated dissolution of quantum dots in cell culture media. Nanoscale, 2013, 5, 2073.	5.6	4
2368	CHAPTER 11.5. Nanoparticles and Quantum Dots. , 2013, , 232-269.		0
2369	Semiconductor quantum dots for photoluminescence-based gas sensing., 2013,, 316-355.		1
2370	Semiconductor nanocrystals in sol–gel derived matrices. Physical Chemistry Chemical Physics, 2013, 15, 13694.	2.8	12
2371	Ultrabright benzoselenadiazole-based semiconducting polymer dots for specific cellular imaging. RSC Advances, 2013, 3, 17507.	3.6	27
2372	Photophysical properties of CdSe quantum dot self-assemblies with zinc phthalocyanines and azaphthalocyanines. Photochemical and Photobiological Sciences, 2013, 12, 743.	2.9	10
2373	QD-filled micelles which combine SPECT and optical imaging with light-induced activation of a platinum(iv) prodrug for anticancer applications. Chemical Communications, 2013, 49, 3985.	4.1	30
2374	Temperature dependence of photoluminescence dynamics of self-assembled monolayers of CdSe quantum dots: the influence of the bound-exciton state. Physical Chemistry Chemical Physics, 2013, 15, 21051.	2.8	10

#	Article	IF	CITATIONS
2375	Amphiphilic silane modified NaYF4:Yb,Er loaded with Eu(TTA)3(TPPO)2 nanoparticles and their multi-functions: dual mode temperature sensing and cell imaging. Nanoscale, 2013, 5, 8541.	5.6	59
2376	Optoelectronic properties of dual emitting RNA-mediated colloidal PbSe nanostructures. Dalton Transactions, 2013, 42, 11455.	3.3	7
2377	Enhancement of PbS quantum dot-sensitized photocurrents using plasmonic gold nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 20247-20251.	2.8	31
2378	In vitro detection of calcium in bone by modified carbon dots. Analyst, The, 2013, 138, 7107.	3.5	27
2379	Islands of CdSe nanoparticles within Se nanofibers: a room temperature ionic liquid templated synthesis. Dalton Transactions, 2013, 42, 15159.	3.3	16
2380	Optimizing the aqueous phase synthesis of CdTe quantum dots using mixed-ligands system and their applications for imaging of live cancer cells and tumors in vivo. RSC Advances, 2013, 3, 8899.	3.6	13
2381	One-step synthesis of peptide-programmed QDs as ready-to-use nanoprobes. Chemical Communications, 2013, 49, 4492.	4.1	18
2382	Electronic energy transfer between long-range resonance states of 3-mercaptopropionic acid capped CdTe quantum dots in aqueous media. Journal of Experimental Nanoscience, 2013, 8, 493-499.	2.4	3
2383	Patterning of Protein/Quantum Dot Hybrid Bionanostructures. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 227-232.	3.7	9
2384	Synthesis of stable carboxy-terminated NaYF ₄ : Yb ³⁺ , Er ³⁺ @SiO ₂ nanoparticles with ultrathin shell for biolabeling applications. Nanoscale, 2013, 5, 1047-1053.	5.6	70
2385	Applications of quantum dots as probes in immunosensing of small-sized analytes. Biosensors and Bioelectronics, 2013, 41, 12-29.	10.1	188
2386	Hydrothermal Technology for Nanotechnology—A Technology for Processing of Advanced Materials. , 2013, , 615-762.		9
2387	Synthesis of nearâ€infraredâ€emitting CdTeSe and CdZnTeSe quantum dots. Luminescence, 2013, 28, 836-841.	2.9	11
2388	Cadmium-free quantum dots in aqueous solution: Potential for fingermark detection, synthesis and an application to the detection of fingermarks in blood on non-porous surfaces. Forensic Science International, 2013, 224, 101-110.	2.2	28
2389	Integration of the 1,2,3â€Triazole "Click―Motif as a Potent Signalling Element in Metal Ion Responsive Fluorescent Probes. Chemistry - A European Journal, 2013, 19, 2990-3005.	3.3	37
2390	Forming double layer-encapsulated quantum dots for bio-imaging and cell targeting. Nanoscale, 2013, 5, 1517.	5.6	42
2391	Surface engineering of inorganic nanoparticles for imaging and therapy. Advanced Drug Delivery Reviews, 2013, 65, 622-648.	13.7	305
2392	Emergence of colloidal quantum-dot light-emitting technologies. Nature Photonics, 2013, 7, 13-23.	31.4	2,155

#	Article	IF	CITATIONS
2393	Novel biospectroscopy sensor technologies towards environmental health monitoring in urban environments. Environmental Pollution, 2013, 183, 46-53.	7.5	14
2394	Dynamic Hole Blockade Yields Two-Color Quantum and Classical Light from Dot-in-Bulk Nanocrystals. Nano Letters, 2013, 13, 321-328.	9.1	60
2395	Capped CulnS2 quantum dots for H2 evolution from water under visible light illumination. Journal of Alloys and Compounds, 2013, 550, 326-330.	5 . 5	37
2396	Fluorescent nanothermometers provide controlled plasmonic-mediated intracellular hyperthermia. Nanomedicine, 2013, 8, 379-388.	3.3	49
2397	Nanotoxicity assessment of quantum dots: from cellular to primate studies. Chemical Society Reviews, 2013, 42, 1236-1250.	38.1	406
2398	Lanthanide-doped luminescent nano-bioprobes: from fundamentals to biodetection. Nanoscale, 2013, 5, 1369-1384.	5.6	165
2399	Self-assembling peptide assemblies bound to ZnS nanoparticles and their interactions with mammalian cells. Colloids and Surfaces B: Biointerfaces, 2013, 103, 405-415.	5.0	12
2400	Cystine-capped CdSe@ZnS nanocomposites: mechanochemical synthesis, properties, and the role of capping agent. Journal of Materials Science, 2013, 48, 2424-2432.	3.7	20
2401	Synthesis of non-spherical CdSe nanocrystals. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	0
2402	Quantum dots as versatile probes in medical sciences: Synthesis, modification and properties. Materials Science and Engineering C, 2013, 33, 1008-1021.	7.3	107
2403	Subtissue Thermal Sensing Based on Neodymium-Doped LaF ₃ Nanoparticles. ACS Nano, 2013, 7, 1188-1199.	14.6	338
2404	Conducting the Temperature-Dependent Conformational Change of Macrocyclic Compounds to the Lattice Dilation of Quantum Dots for Achieving an Ultrasensitive Nanothermometer. ACS Nano, 2013, 7, 2273-2283.	14.6	67
2405	Exploring the Interior of Hollow Fluorescent Carbon Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 4260-4267.	3.1	12
2406	Fabrication of an optimized fluorescer encapsulated polymer coated gelatin nanoparticle and study of its retarded release properties. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 252, 194-202.	3.9	13
2407	High-resolution three-photon biomedical imaging using doped ZnS nanocrystals. Nature Materials, 2013, 12, 359-366.	27.5	240
2410	Conformational Control of Energy Transfer: A Mechanism for Biocompatible Nanocrystalâ∈Based Sensors. Angewandte Chemie - International Edition, 2013, 52, 1165-1169.	13.8	33
2411	Spatial Charge Configuration Regulates Nanoparticle Transport and Binding Behavior Inâ€Vivo. Angewandte Chemie - International Edition, 2013, 52, 1414-1419.	13.8	81
2412	Quantum dot binding to DNA: Singleâ€molecule imaging with atomic force microscopy. Biotechnology Journal, 2013, 8, 110-116.	3.5	17

#	Article	IF	CITATIONS
2413	Discerning single molecule interactions of DNA and quantum dots. Biotechnology Journal, 2013, 8, 15-16.	3.5	9
2414	Thiolâ€Directed Synthesis of Highly Fluorescent Gold Clusters and Their Conversion into Stable Imaging Nanoprobes. Chemistry - A European Journal, 2013, 19, 943-949.	3.3	47
2415	A Platform for Preparation of Monodispersed Fluorescent Conjugated Polymer Microspheres with Coreâ€6hell Structures. Macromolecular Rapid Communications, 2013, 34, 102-108.	3.9	23
2416	Quantum dot-assembled nanoparticles with polydiacetylene supramolecule toward label-free, multiplexed optical detection. Journal of Colloid and Interface Science, 2013, 394, 44-48.	9.4	8
2417	Single domain antibody–quantum dot conjugates for ricin detection by both fluoroimmunoassay and surface plasmon resonance. Analytica Chimica Acta, 2013, 786, 132-138.	5.4	58
2418	Harnessing immunomagnetic separation and quantum dot-based quantification capacities for the enumeration of absolute levels of biomarker. Nanotechnology, 2013, 24, 285103.	2.6	9
2419	Nanoparticles Mimicking Viral Surface Topography for Enhanced Cellular Delivery. Advanced Materials, 2013, 25, 6233-6237.	21.0	174
2420	Recent Research Advances of Antibody-conjugated Quantum Dots. Chinese Journal of Analytical Chemistry, 2013, 41, 949-954.	1.7	10
2421	Gold nanoparticles based molecular beacons for in vitro and in vivo detection of the matriptase expression on tumor. Biosensors and Bioelectronics, 2013, 49, 216-221.	10.1	36
2422	Cadmium sulfate and CdTe-quantum dots alter DNA repair in zebrafish (Danio rerio) liver cells. Toxicology and Applied Pharmacology, 2013, 272, 443-452.	2.8	73
2423	Characterization of l-cysteine capped CdTe quantum dots and application to test Cu(II) deficiency in biological samples from critically ill patients. Analytica Chimica Acta, 2013, 785, 111-118.	5.4	9
2424	Fluorescence Switching of Quantum Dot in Quantum Dot–Porphyrin–Cucurbit [7] Uril Assemblies. Journal of Physical Chemistry C, 2013, 117, 3069-3077.	3.1	39
2425	Wavelength dependence of nonlinear optical properties of colloidal CdS quantum dots. Nanoscale, 2013, 5, 2388.	5.6	55
2426	Nanocavityâ€Based Determination of Absolute Values of Photoluminescence Quantum Yields. ChemPhysChem, 2013, 14, 505-513.	2.1	49
2427	Advances in the Colloidal Synthesis of Two-Dimensional Semiconductor Nanoribbons. Chemistry of Materials, 2013, 25, 1190-1198.	6.7	63
2428	Highly luminescent, flexible and biocompatible cadmium-based nanocomposites. Microelectronic Engineering, 2013, 111, 299-303.	2.4	2
2429	Functionalizing Nanoparticles with Biological Molecules: Developing Chemistries that Facilitate Nanotechnology. Chemical Reviews, 2013, 113, 1904-2074.	47.7	1,173
2430	Photoluminescent SiC Tetrapods. Nano Letters, 2013, 13, 1210-1215.	9.1	30

#	Article	IF	CITATIONS
2431	Blinking, Flickering, and Correlation in Fluorescence of Single Colloidal CdSe Quantum Dots with Different Shells under Different Excitations. Journal of Physical Chemistry C, 2013, 117, 4844-4851.	3.1	30
2432	Functionalized Quantum Dots for Biosensing and Bioimaging and Concerns on Toxicity. ACS Applied Materials & Samp; Interfaces, 2013, 5, 2786-2799.	8.0	280
2433	High-intensity near-IR fluorescence in semiconducting polymer dots achieved by cascade FRET strategy. Chemical Science, 2013, 4, 2143.	7.4	89
2434	Bioimaging application of highly luminescent silica-coated ZnO-nanoparticle quantum dots with biotin. Journal of Colloid and Interface Science, 2013, 399, 19-25.	9.4	48
2435	Liposome–Quantum Dot Complexes Enable Multiplexed Detection of Attomolar DNAs without Target Amplification. Journal of the American Chemical Society, 2013, 135, 2056-2059.	13.7	138
2436	Biocompatible GdIII-functionalized fluorescent gold nanoclusters for optical and magnetic resonance imaging. New Journal of Chemistry, 2013, 37, 1028.	2.8	23
2437	Nanoscale assemblies and their biomedical applications. Journal of the Royal Society Interface, 2013, 10, 20120740.	3.4	106
2438	Immobilization of Quantum Dots in Nanostructured Porous Silicon Films: Characterizations and Signal Amplification for Dualâ€Mode Optical Biosensing. Advanced Functional Materials, 2013, 23, 3604-3614.	14.9	56
2439	Optical Properties of Nanocomposites. , 2013, , 485-529.		0
2440	Ligand Conjugation of Chemically Exfoliated MoS ₂ . Journal of the American Chemical Society, 2013, 135, 4584-4587.	13.7	509
2441	Supramolecular self-assembly and photophysical properties of pillar[5]arene-stabilized CdTe quantum dots mediated by viologens. RSC Advances, 2013, 3, 5765.	3.6	66
2442	A Solution NMR Toolbox for Characterizing the Surface Chemistry of Colloidal Nanocrystals. Chemistry of Materials, 2013, 25, 1211-1221.	6.7	428
2443	Size-Dependent Extinction Coefficients and Transition Energies of Near-Infrared \hat{l}^2 -Ag ₂ Se Colloidal Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 5424-5428.	3.1	21
2444	A novel calix[4] arene thiol functionalized silver nanoprobe for selective recognition of ferric ion with nanomolar sensitivity via DLS selectivity in human biological fluid. Nanoscale, 2013, 5, 2364.	5.6	38
2445	Nanohybridization of Low-Dimensional Nanomaterials: Synthesis, Classification, and Application. Critical Reviews in Solid State and Materials Sciences, 2013, 38, 1-56.	12.3	20
2446	Surface-functionalized nanoparticles for biosensing and imaging-guided therapeutics. Nanoscale, 2013, 5, 3127.	5.6	198
2447	Quick-and-easy preparation and purification of quantum dot–loaded liposomes. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6
2448	Prospects of Nano–Material in Breast Cancer Management. Pathology and Oncology Research, 2013, 19, 155-165.	1.9	5

#	Article	IF	CITATIONS
2449	Molecular Chemistry to the Fore: New Insights into the Fascinating World of Photoactive Colloidal Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2013, 4, 653-668.	4.6	32
2450	Functionalized-chitosan/quantum dot nano-hybrids for nanomedicine applications: towards biolabeling and biosorbing phosphate metabolites. Journal of Materials Chemistry B, 2013, 1, 1696.	5.8	117
2451	UV-VIS and Photoluminescence Spectroscopy for Nanomaterials Characterization. , 2013, , .		46
2452	A one pot organic/CdSe nanoparticle hybrid material synthesis with in situ π-conjugated ligand functionalization. Chemical Communications, 2013, 49, 1321.	4.1	18
2453	Highly stable quantum dots with silica–poly(EGDMA-co-MAA) synergistic protection and the preliminary application in immunoassay. Journal of Materials Chemistry B, 2013, 1, 1156.	5.8	11
2454	Types of Nanomaterials and Corresponding Methods of Synthesis. , 2013, , 33-82.		20
2455	Biocompatibility and Functionalization. , 2013, , 83-125.		0
2457	Evaluate the potential toxicity of quantum dots on bacterial metabolism by microcalorimetry. Thermochimica Acta, 2013, 552, 98-105.	2.7	18
2458	Design of new quantum dot materials for deep tissue infrared imaging. Advanced Drug Delivery Reviews, 2013, 65, 719-731.	13.7	139
2459	A Highly Specific Gold Nanoprobe for Live-Cell Single-Molecule Imaging. Nano Letters, 2013, 13, 1489-1494.	9.1	116
2460	Doped quantum dots for chemo/biosensing and bioimaging. Chemical Society Reviews, 2013, 42, 5489.	38.1	590
2461	PEGylated denatured bovine serum albumin modified water-soluble inorganic nanocrystals as multifunctional drug delivery platforms. Journal of Materials Chemistry B, 2013, 1, 1289.	5.8	58
2462	Luminescent Rhodamine B doped core–shell silica nanoparticle labels for protein microarray detection. Dyes and Pigments, 2013, 98, 119-124.	3.7	15
2463	Multifunctional pH-sensitive superparamagnetic iron-oxide nanocomposites for targeted drug delivery and MR imaging. Journal of Controlled Release, 2013, 169, 228-238.	9.9	121
2464	A simple and versatile microfluidic cell density gradient generator for quantum dot cytotoxicity assay. Lab on A Chip, 2013, 13, 1948.	6.0	43
2465	Quantum dots for fluorescent biosensing and bio-imaging applications. Analyst, The, 2013, 138, 2506.	3.5	319
2467	Doped semiconductor nanocrystal based fluorescent cellular imaging probes. Nanoscale, 2013, 5, 5506.	5.6	41
2468	Nucleic Acid/Quantum Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing. ACS Applied Materials & Dots (QDs) Hybrid Systems for Optical and Photoelectrochemical Sensing.	8.0	196

#	Article	lF	CITATIONS
2469	Hallmarks of mechanochemistry: from nanoparticles to technology. Chemical Society Reviews, 2013, 42, 7571.	38.1	952
2470	Semiconductor Quantum Dots for Bioimaging and Biodiagnostic Applications. Annual Review of Analytical Chemistry, 2013, 6, 143-162.	5.4	559
2471	Influence of nanoparticle materials on the photophysical behavior of phthalocyanines. Coordination Chemistry Reviews, 2013, 257, 2401-2418.	18.8	52
2472	A top–down strategy towards monodisperse colloidal lead sulphide quantum dots. Nature Communications, 2013, 4, 1695.	12.8	106
2473	Synthesis and size dependent exchange bias effect in CoCr2O4/Cr2O3 nanogranular systems. Journal of Alloys and Compounds, 2013, 574, 131-135.	5.5	1
2474	Molecular imprinting of proteins in polymers attached to the surface of nanomaterials for selective recognition of biomacromolecules. Biotechnology Advances, 2013, 31, 1172-1186.	11.7	222
2475	One-pot fabrication of polymer nanoparticle-based chemosensors for Cu2+ detection in aqueous media. Polymer Chemistry, 2013, 4, 2325.	3.9	41
2476	Comparative study on CdSe QDs synthesized from water and ethanol: Hydrogen bond induced particle agglomeration and enhancement on photoluminescence. Analyst, The, 2013, 138, 1570.	3.5	5
2477	Dual-Emitting Nanoscale Temperature Sensors. Chemistry of Materials, 2013, 25, 1283-1292.	6.7	388
2478	Size and shape influence of luminescent orthovanadate nanoparticles on their accumulation in nuclear compartments of rat hepatocytes. Materials Science and Engineering C, 2013, 33, 2708-2712.	7.3	17
2479	Folic Acid Functionalized Nanoprobes for Fluorescenceâ€, Darkâ€Fieldâ€, and Dualâ€Imagingâ€Based Selective Detection of Cancer Cells and Tissue. ChemPlusChem, 2013, 78, 259-267.	2.8	23
2480	Surface characterization of GSH-CdTe quantum dots. Materials Chemistry and Physics, 2013, 140, 113-118.	4.0	12
2481	Mid-IR Colloidal Nanocrystals. Chemistry of Materials, 2013, 25, 1272-1282.	6.7	64
2482	NIR fluorescent biotinylated cyanine dye: optical properties and combination with quantum dots as a potential sensing device. Photochemical and Photobiological Sciences, 2013, 12, 236-240.	2.9	21
2483	Quantum-Dot-Based Photoelectrochemical Sensors for Chemical and Biological Detection. ACS Applied Materials & Detection. ACS Applied Materials & Detection. ACS	8.0	314
2484	Highly Fluorescent and Stable Quantum Dot-Polymer-Layered Double Hydroxide Composites. Chemistry of Materials, 2013, 25, 1071-1077.	6.7	69
2485	Single-Layer MoS ₂ -Based Nanoprobes for Homogeneous Detection of Biomolecules. Journal of the American Chemical Society, 2013, 135, 5998-6001.	13.7	995
2486	Synthesis of highly monodisperse quantum dotâ€loaded polymer beads by impregnation and precipitation techniques. Journal of Polymer Science Part A, 2013, 51, 2294-2300.	2.3	5

#	ARTICLE	IF	CITATIONS
2487	InÂvivo behavior of near infrared-emitting quantum dots. Biomaterials, 2013, 34, 4302-4308.	11.4	42
2488	Quantum dots as a platform for nanoparticle drug delivery vehicle design. Advanced Drug Delivery Reviews, 2013, 65, 703-718.	13.7	375
2489	Waterâ€Soluble Tetraphenylethene Derivatives as Fluorescent "Lightâ€Up―Probes for Nucleic Acid Detection and Their Applications in Cell Imaging. Chemistry - an Asian Journal, 2013, 8, 1806-1812.	3.3	65
2490	Structural and dynamical properties of Bridgman-grown CdSexTe1 $\hat{a}^2x(0< x\hat{a} \approx \textbf{0}.35)$ ternary alloys. Physical Review B, 2013, 87, .	3.2	16
2491	Encapsulating Quantum Dots into Enveloped Virus in Living Cells for Tracking Virus Infection. ACS Nano, 2013, 7, 3896-3904.	14.6	67
2492	Interaction study of human serum albumin and ZnS nanoparticles using fluorescence spectrometry. Journal of Molecular Structure, 2013, 1037, 317-322.	3.6	36
2493	Glycosylâ€Modified Diporphyrins for in Vitro and in Vivo Fluorescence Imaging. ChemBioChem, 2013, 14, 979-986.	2.6	15
2494	A fluorescence-switchable luminogen in the solid state: a sensitive and selective sensor for the fast "turn-on―detection of primary amine gas. Chemical Communications, 2013, 49, 4848.	4.1	85
2495	The Qdot-Labeled Actin Super-Resolution Motility Assay Measures Low-Duty Cycle Muscle Myosin Step Size. Biochemistry, 2013, 52, 1611-1621.	2.5	32
2496	SPR studies of the adsorption of silver/bovine serum albumin nanoparticles (Ag/BSA NPs) onto the model biological substrates. Journal of Colloid and Interface Science, 2013, 402, 40-49.	9.4	14
2497	Engineering multifunctional nanoparticles: allâ€inâ€one versus oneâ€forâ€all. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 250-265.	6.1	73
2498	A tri-n-octylphosphine-assisted successive ionic layer adsorption and reaction method to synthesize multilayered core–shell CdSe–ZnS quantum dots with extremely high quantum yield. Chemical Communications, 2013, 49, 6346.	4.1	66
2499	Semiconducting Conjugated Polymer–Inorganic Tetrapod Nanocomposites. Langmuir, 2013, 29, 8086-8092.	3.5	38
2500	Multiplexed immunoassay biosensor for the detection of serum biomarkers $\hat{a} \in \hat{l}^2$ -HCG and AFP of Down Syndrome based on photoluminescent water-soluble CdSe/ZnS quantum dots. Sensors and Actuators B: Chemical, 2013, 186, 235-243.	7.8	35
2501	Luminescent carbon quantum dots and their application in cell imaging. New Journal of Chemistry, 2013, 37, 2515.	2.8	149
2502	Silicon nanoparticle based fluorescent biological label via low temperature thermal degradation of chloroalkylsilane. Nanoscale, 2013, 5, 5732.	5.6	32
2503	Influence of Luminescence Quantum Yield, Surface Coating, and Functionalization of Quantum Dots on the Sensitivity of Time-Resolved FRET Bioassays. ACS Applied Materials & Samp; Interfaces, 2013, 5, 2881-2892.	8.0	60
2504	A Nearâ€Infrared Fluorescent Nanosensor (AuC@Urease) for the Selective Detection of Blood Urea. Small, 2013, 9, 2673-2677.	10.0	68

#	Article	IF	CITATIONS
2505	Nano-functionalization of metal complexes for molecular imaging and anticancer therapy. Coordination Chemistry Reviews, 2013, 257, 2668-2688.	18.8	75
2506	Tracking Quantum Dot–Tagged Calcium Channels at Vertebrate Photoreceptor Synapses: Retinal Slices and Dissociated Cells. Current Protocols in Neuroscience, 2013, 62, Unit 2.18.	2.6	1
2507	In Vivo Bioâ€Safety Evaluations and Diagnostic/Therapeutic Applications of Chemically Designed Mesoporous Silica Nanoparticles. Advanced Materials, 2013, 25, 3144-3176.	21.0	636
2508	Ratiometric sensing of mercury(II) based on a FRET process on silica core-shell nanoparticles acting as vehicles. Mikrochimica Acta, 2013, 180, 845-853.	5.0	29
2509	Charge Separation by Indirect Bandgap Transitions in CdS/ZnSe Type-II Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 10901-10908.	3.1	71
2510	Homogeneously Alloyed CdSe1–xSx Quantum Dots (0 ≤ ≤): An Efficient Synthesis for Full Optical Tunability. Chemistry of Materials, 2013, 25, 2388-2390.	6.7	58
2511	Synthesis of metal selenide colloidal nanocrystals by the hot injection of selenium powder. Dalton Transactions, 2013, 42, 12654.	3.3	16
2512	Quantum dot-based nanosensors for diagnosis via enzyme activity measurement. Expert Review of Molecular Diagnostics, 2013, 13, 367-375.	3.1	33
2513	Membrane potential mediates the cellular binding of nanoparticles. Nanoscale, 2013, 5, 5879.	5.6	52
2514	Cation Exchange-Based Facile Aqueous Synthesis of Small, Stable, and Nontoxic Near-Infrared Ag ₂ Te/ZnS Core/Shell Quantum Dots Emitting in the Second Biological Window. ACS Applied Materials & Diterfaces, 2013, 5, 1149-1155.	8.0	67
2515	Water-soluble quantum dot/carboxylic-poly (vinyl alcohol) conjugates: Insights into the roles of nanointerfaces and defects toward enhancing photoluminescence behavior. Materials Chemistry and Physics, 2013, 141, 223-233.	4.0	10
2516	Ultraviolet radiation synthesis of water dispersed CdTe/CdS/ZnS core–shell–shell quantum dots with high fluorescence strength and biocompatibility. Nanotechnology, 2013, 24, 205601.	2.6	15
2517	One-Pot Synthesized Aptamer-Functionalized CdTe:Zn ²⁺ Quantum Dots for Tumor-Targeted Fluorescence Imaging in Vitro and in Vivo. Analytical Chemistry, 2013, 85, 5843-5849.	6.5	118
2518	Nanomaterials formulations for photothermal and photodynamic therapy of cancer. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 15, 53-72.	11.6	312
2519	Nanoparticle Fundamentals. Interface Science and Technology, 2013, 19, 1-84.	3.3	9
2520	A general and robust strategy for the synthesis of nearly monodisperse colloidal nanocrystals. Nature Nanotechnology, 2013, 8, 426-431.	31.5	362
2521	Electrogenerated Chemiluminescence of Solutions, Films, and Nanoparticles of Dithienylbenzothiadiazole-Based Donor–Acceptor–Donor Red Fluorophore. Fluorescence Quenching Study of Organic Nanoparticles. Journal of the American Chemical Society, 2013, 135, 8868-8873.	13.7	41
2522	Direct probe of spectral inhomogeneity reveals synthetic tunability of single-nanocrystal spectral linewidths. Nature Chemistry, 2013, 5, 602-606.	13.6	130

#	Article	IF	CITATIONS
2523	Quantum-Dot-Conjugated Graphene as a Probe for Simultaneous Cancer-Targeted Fluorescent Imaging, Tracking, and Monitoring Drug Delivery. Bioconjugate Chemistry, 2013, 24, 387-397.	3.6	168
2524	Highly luminescent chitosan-l-cysteine functionalized CdTe quantum dots film: Synthesis and characterization. Carbohydrate Polymers, 2013, 97, 327-334.	10.2	46
2525	Versatile Electrochemiluminescent Biosensor for Protein–Nucleic Acid Interaction Based on the Unique Quenching Effect of Deoxyguanosine-5′-phosphate on Electrochemiluminescence of CdTe/ZnS Quantum Dots. Analytical Chemistry, 2013, 85, 6279-6286.	6.5	46
2526	Luminescent †On-Off†CdSe/ZnS Quantum Dot Chemodosimeter for Hydroxide Based on Photoinduced Electron Transfer from a Carboxylate Moiety. Journal of Fluorescence, 2013, 23, 793-798.	2.5	3
2527	Fluorescence "Switch on―of Conjugates of CdTe@ZnS Quantum Dots with Al, Ni and Zn Tetraamino-Phthalocyanines by Hydrogen Peroxide: Characterization and Applications as Luminescent Nanosensors. Journal of Fluorescence, 2013, 23, 963-974.	2.5	39
2528	<i>In vivo</i> monitoring of distributional transport kinetics and extravasation of quantum dots in living rat liver. Nanotechnology, 2013, 24, 165101.	2.6	9
2529	ZnO Nanoparticles Applied to Bioimaging and Drug Delivery. Advanced Materials, 2013, 25, 5329-5335.	21.0	448
2530	Charge transfer assisted nonlinear optical and photoconductive properties of CdS-AgInS2 nanocrystals grown in semiconducting polymers. Journal of Applied Physics, 2013, 113, 123107.	2.5	5
2531	Optical Properties and Exciton Dynamics of Alloyed Core/Shell/Shell Cd _{1â€"<i>x</i>} Zn _{<i>x</i>} Se/ZnSe/ZnS Quantum Dots. ACS Applied Materials & amp; Interfaces, 2013, 5, 2893-2900.	8.0	82
2532	Tetrapod Nanocrystals as Fluorescent Stress Probes of Electrospun Nanocomposites. Nano Letters, 2013, 13, 3915-3922.	9.1	58
2533	Quantum Dot Surface Chemistry: Ligand Effects and Electron Transfer Reactions. Journal of Physical Chemistry C, 2013, 117, 14418-14426.	3.1	150
2534	Processing and Characterization of Stable, pH-Sensitive Layer-by-Layer Modified Colloidal Quantum Dots. ACS Nano, 2013, 7, 6194-6202.	14.6	31
2535	Twinning and Phase Control in Template-Directed ZnS and (Cd,Zn)S Nanocrystals. Crystal Growth and Design, 2013, 13, 2149-2160.	3.0	7
2536	The effect of organics on the structure and magnetization of electro-synthesised magnetite nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	23
2537	A BODIPY-based sensor for Hg2+ in living cells. Tetrahedron, 2013, 69, 7102-7106.	1.9	25
2538	Cooperative effects in CdSe/ZnS-PEGOH quantum dot luminescence quenching by a water soluble porphyrin. Journal of Luminescence, 2013, 134, 83-87.	3.1	21
2539	Bi ₂ WO ₆ Quantum Dots Decorated Reduced Graphene Oxide: Improved Charge Separation and Enhanced Photoconversion Efficiency. Journal of Physical Chemistry C, 2013, 117, 9113-9120.	3.1	130
2540	Improving the Catalytic Activity of Semiconductor Nanocrystals through Selective Domain Etching. Nano Letters, 2013, 13, 2016-2023.	9.1	84

#	Article	IF	CITATIONS
2541	Exciton Dynamics in Semiconductor Nanocrystals. Advanced Materials, 2013, 25, 2878-2896.	21.0	178
2542	Generalized Theory of Förster-Type Nonradiative Energy Transfer in Nanostructures with Mixed Dimensionality. Journal of Physical Chemistry C, 2013, 117, 10203-10212.	3.1	54
2543	Detection of Helicobacter pylori with a nanobiosensor based on fluorescence resonance energy transfer using CdTe quantum dots. Mikrochimica Acta, 2013, 180, 195-202.	5.0	47
2544	Recent advances in IV–VI semiconductor nanocrystals: synthesis, mechanism, and applications. RSC Advances, 2013, 3, 8104.	3.6	76
2545	Multifunctional Nanoparticles for Drug Delivery and Molecular Imaging. Annual Review of Biomedical Engineering, 2013, 15, 253-282.	12.3	437
2546	Parallel Nanometric 3D Tracking of Intracellular Gold Nanorods Using Multifocal Two-Photon Microscopy. Nano Letters, 2013, 13, 980-986.	9.1	57
2547	Optical studies of quantum dots. Spectroscopic Properties of Inorganic and Organometallic Compounds, 2013, , 123-155.	0.4	0
2548	A versatile approach for coating oxidic surfaces with a range of nanoparticulate materials. Journal of Materials Chemistry C, 2013, 1, 1515.	5. 5	15
2549	DNA-Functionalized Quantum Dots: Fabrication, Structural, and Physicochemical Properties. Langmuir, 2013, 29, 7038-7046.	3.5	59
2550	A DFT/TDDFT study on the optoelectronic properties of the amine-capped magic (CdSe)13 nanocluster. Physical Chemistry Chemical Physics, 2013, 15, 10996.	2.8	57
2551	Chiral recognition of proteins having L-histidine residues on the surface with lanthanide ion complex incorporated-molecularly imprinted fluorescent nanoparticles. Materials Science and Engineering C, 2013, 33, 3432-3439.	7. 3	28
2552	Biomedical. Interface Science and Technology, 2013, 19, 385-427.	3.3	2
2554	Carbonâ€Based Dots Coâ€doped with Nitrogen and Sulfur for High Quantum Yield and Excitationâ€Independent Emission. Angewandte Chemie - International Edition, 2013, 52, 7800-7804.	13.8	1,872
2556	Plasmonic gold and luminescent silicon nanoplatforms for multimode imaging of cancer cells. Integrative Biology (United Kingdom), 2013, 5, 144-150.	1.3	17
2557	Photoinduced Dark Fraction Due to Blinking and Photodarkening Probability in Aqueous CdTe Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 13268-13275.	3.1	13
2558	Characterization of Silver/Bovine Serum Albumin (Ag/BSA) nanoparticles structure: Morphological, compositional, and interaction studies. Journal of Colloid and Interface Science, 2013, 389, 31-41.	9.4	98
2559	CT/fluorescence dual-modal nanoemulsion platform for investigating atherosclerotic plaques. Biomaterials, 2013, 34, 209-216.	11.4	74
2560	Systematically investigations of conformation and thermodynamics of HSA adsorbed to different sizes of CdTe quantum dots. Colloids and Surfaces B: Biointerfaces, 2013, 102, 76-82.	5.0	56

#	ARTICLE	IF	CITATIONS
2561	Synthesis and application of intercellular Ca2+-sensitive fluorescent probe based on quantum dots. Journal of Inorganic Biochemistry, 2013, 118, 39-47.	3. 5	17
2562	High resolution STEM of quantum dots and quantum wires. Micron, 2013, 44, 75-92.	2.2	11
2563	Determination of lapachol in the presence of other naphthoquinones using 3MPA-CdTe quantum dots fluorescent probe. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 100, 155-160.	3.9	9
2564	Purification of Quantum Dots by Gel Permeation Chromatography and the Effect of Excess Ligands on Shell Growth and Ligand Exchange. Chemistry of Materials, 2013, 25, 2838-2848.	6.7	91
2565	Multifunctional nanosystems for cancer therapy., 2013,, 387-413.		3
2566	Hyperbranched polymers for bioimaging. RSC Advances, 2013, 3, 2071-2083.	3 . 6	92
2567	Selfâ€Assembled Fluorescent Organic Nanoparticles for Liveâ€Cell Imaging. Chemistry - A European Journal, 2013, 19, 16646-16650.	3.3	38
2568	Hybrid Bulk Heterojunction Solar Cells Based on the Cooperative Interaction of Liquid Crystals within Quantum Dots and Diblock Copolymers. ACS Applied Materials & Samp; Interfaces, 2013, 5, 11692-11702.	8.0	17
2569	Probing Nanoscale Self-Assembly of Nonfluorescent Small Molecules inside Live Mammalian Cells. ACS Nano, 2013, 7, 9055-9063.	14.6	69
2570	Fluorescent Cross-Linked Polystyrene Perylenebisimide/Oligo(<i>p</i> -Phenylenevinylene) Microbeads with Controlled Particle Size, Tunable Colors, and High Solid State Emission. ACS Applied Materials & Accordance (applied Materials)	8.0	20
2571	Quantum dot-engineered M13 virus layer-by-layer composite films for highly selective and sensitive turn-on TNT sensors. Chemical Communications, 2013, 49, 6045.	4.1	27
2572	Simple and Accurate Quantification of Quantum Yield at the Single-Molecule/Particle Level. Analytical Chemistry, 2013, 85, 2000-2004.	6.5	36
2573	6-Mercaptohexanoic acid assisted synthesis of high quality InP quantum dots for optoelectronic applications. Superlattices and Microstructures, 2013, 56, 86-91.	3.1	55
2574	Multicolored cell imaging with bioconjugated fluorescent quantum dots., 2013,,.		1
2575	Multiway study of hybridization in nanoscale semiconductor labeled DNA based on fluorescence resonance energy transfer. Physical Chemistry Chemical Physics, 2013, 15, 14405.	2.8	10
2576	Functionalized polymer nanofibers: a versatile platform for manipulating light at the nanoscale. Light: Science and Applications, 2013, 2, e102-e102.	16.6	214
2577	Laser applications in nanotechnology: nanofabrication using laser ablation and laser nanolithography. Physics-Uspekhi, 2013, 56, 643-682.	2.2	74
2578	A comparative study of economical separation and aggregation properties of biologically capped and thiol functionalized gold nanoparticles: Selecting the eco-friendly trojan horses for biological applications. Colloids and Surfaces B: Biointerfaces, 2013, 109, 25-31.	5.0	12

#	Article	IF	CITATIONS
2579	Fabrication of Transferrin Functionalized Gold Nanoclusters/Graphene Oxide Nanocomposite for Turn-On Near-Infrared Fluorescent Bioimaging of Cancer Cells and Small Animals. Analytical Chemistry, 2013, 85, 2529-2535.	6.5	192
2580	Controlled Interaction of Surface Quantum-Well Electronic States. Nano Letters, 2013, 13, 6130-6135.	9.1	42
2581	Composite system based on CdSe/ZnS quantum dots and GaAs nanowires. Semiconductors, 2013, 47, 1346-1350.	0.5	10
2582	Investigation on the facile methods for the synthesis and characterization of CdSe/ZnSe core/shell nanocomposites., 2013,,.		O
2583	Leaving Förster Resonance Energy Transfer Behind: Nanometal Surface Energy Transfer Predicts the Size-Enhanced Energy Coupling between a Metal Nanoparticle and an Emitting Dipole. Journal of Physical Chemistry C, 2013, 117, 23942-23949.	3.1	103
2584	Quantum Dot Lipid Oligonucleotide Bioconjugates: Toward a New Anti-MicroRNA Nanoplatform. Bioconjugate Chemistry, 2013, 24, 1345-1355.	3.6	24
2585	New generation of magnetic and luminescent nanoparticles for <i>in vivo</i> real-time imaging. Interface Focus, 2013, 3, 20120103.	3.0	30
2586	Think Modular: A Simple Apoferritin-Based Platform for the Multifaceted Detection of Pancreatic Cancer. ACS Nano, 2013, 7, 8167-8174.	14.6	48
2587	Unique self-assembly properties of a bridge-shaped protein dimer with quantum dots. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	17
2588	Photouncaging Nanoparticles for MRI and Fluorescence Imaging <i>in Vitro</i> and <i>in Vivo</i> ACS Nano, 2013, 7, 9851-9859.	14.6	72
2589	Aqueous synthesized near-infrared-emitting quantum dots for RGD-based <i>in vivo</i> active tumour targeting. Nanotechnology, 2013, 24, 135101.	2.6	36
2590	DNAâ€based programing of quantum dot properties. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 86-95.	6.1	15
2591	Small and Stable Phosphorylcholine Zwitterionic Quantum Dots for Weak Nonspecific Phagocytosis and Effective Tat Peptide Functionalization. Advanced Healthcare Materials, 2013, 2, 352-360.	7.6	25
2592	Integration of Photoswitchable Proteins, Photosynthetic Reaction Centers and Semiconductor/Biomolecule Hybrids with Electrode Supports for Optobioelectronic Applications. Advanced Materials, 2013, 25, 349-377.	21.0	124
2593	Silicon carbide quantum dots for bioimaging. Journal of Materials Research, 2013, 28, 205-209.	2.6	40
2594	Quantum Dots in Bioanalysis: A Review of Applications across Various Platforms for Fluorescence Spectroscopy and Imaging. Applied Spectroscopy, 2013, 67, 215-252.	2.2	499
2595	Predefinable colorimetric quantum-dot barcodes with simple and express identification algorithm. Applied Optics, 2013, 52, 866.	1.8	2
2596	Bioorthogonal chemistries for nanomaterial conjugation and targeting. Nanotechnology Reviews, 2013, 2, 215-227.	5.8	21

#	Article	IF	CITATIONS
2597	Chemically conjugated sophorolipids on CdTe QDs: a biocompatible photoluminescence nanocomposite for theranostic applications. RSC Advances, 2013, 3, 22319.	3.6	10
2598	Towards Rational Design of Sensing Materials from Combinatorial Experiments. , 2013, , 271-313.		0
2599	Multiplex Immunoassays of Plant Viruses Based on Functionalized Upconversion Nanoparticles Coupled with Immunomagnetic Separation. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	19
2600	Influence of Growth Conditions on Magnetite Nanoparticles Electro-Crystallized in the Presence of Organic Molecules. International Journal of Molecular Sciences, 2013, 14, 10383-10396.	4.1	26
2601	NIR fluorescent dyes: versatile vehicles for marker and probe applications. , 2013, , .		1
2602	Probing Antigen-Antibody Interaction Using Fluorescence Coupled Capillary Electrophoresis. International Journal of Molecular Sciences, 2013, 14, 19146-19154.	4.1	10
2603	Synthesis of Bimetallic Platinum Nanoparticles for Biosensors. Sensors, 2013, 13, 10358-10369.	3.8	28
2604	Highly Sensitive and Fast Anion-Selective InN Quantum Dot Electrochemical Sensors. Applied Physics Express, 2013, 6, 115201.	2.4	18
2605	QLEDs for displays and solid-state lighting. MRS Bulletin, 2013, 38, 703-711.	3. 5	184
2606	THE SURFACE MODIFICATION OF CdSe â€"TGA QUANTUM DOTS WITH MULTIDENTATE BIOPOLYMER LIGAND BASED ON SALEP: AN EASY ROUTE FOR ENHANCING FLUORESCENCE INTENSITY. Nano, 2013, 08, 1350012.	1.0	0
2607	Preparation of small silicon carbide quantum dots by wet chemical etching. Journal of Materials Research, 2013, 28, 44-49.	2.6	41
2608	Synthesis of Highly Luminescent Glutathione-Capped CdTe-Mn/ZnS Quantum Dots. Advanced Materials Research, 2013, 668, 691-695.	0.3	0
2609	Laser-assisted synthesis of <i>Staphylococcus aureus </i> protein-capped silicon quantum dots as bio-functional nanoprobes. Laser Physics Letters, 2013, 10, 065603.	1.4	45
2610	Nanomaterials in medicine and pharmaceuticals: nanoscale materials developed with less toxicity and more efficacy. European Journal of Nanomedicine, 2013, 5, .	0.6	43
2611	Functionalized Mn2+ Doped Zinc Sulfide Quantum Dots as a Metal Ion Sensor for Industrial Wastes. Applied Mechanics and Materials, 0, 284-287, 138-142.	0.2	1
2612	Design and Application of Magnetic-Based Theranostic Nanoparticle Systems. Recent Patents on Biomedical Engineering, 2013, 6, 47-57.	0.5	71
2613	Closed Fluid Cell with Liquid-Sealing Mechanism for Stable and Flexible Operation of Liquid-Environment Atomic Force Microscopy. Japanese Journal of Applied Physics, 2013, 52, 110109.	1.5	3
2614	Non-Injection One-Pot Synthesized Lanthanide Ions Doped CdSe Nanocrystals with their Energy Transfer. Advanced Materials Research, 2013, 662, 28-34.	0.3	O

#	Article	IF	Citations
2615	Synthesis of New Luminescent Materials and Application as Sensitive Chemosensors. Advanced Materials Research, 0, 744, 353-356.	0.3	0
2616	Silica Coated Multifunctional Plasmonic Nanoparticles for Theranostics. Materials Research Society Symposia Proceedings, 2013, 1506, 1.	0.1	O
2618	Optical properties of two-dimensional (2D) CdSe nanostructures. , 2013, , .		2
2619	Nanoparticle-based Optical Detection of MicroRNA. Nano Biomedicine and Engineering, 2013, 5, .	0.9	9
2620	Single Quantum Dot Tracking Reveals that an Individual Multivalent HIV-1 Tat Protein Transduction Domain Can Activate Machinery for Lateral Transport and Endocytosis. Molecular and Cellular Biology, 2013, 33, 3036-3049.	2.3	19
2621	Multicolor Upconversion Nanoparticles for Protein Conjugation. Theranostics, 2013, 3, 239-248.	10.0	92
2622	Design and simulation of perturbed onionâ€like quantumâ€dotâ€quantumâ€well (CdSe/ZnS/CdSe/ZnS) and its influence on fluorescence resonance energy transfer mechanism. IET Nanobiotechnology, 2013, 7, 140-150.	3.8	9
2623	Studies on intracellular delivery of carboxyl-coated CdTe quantum dots mediated by fusogenic liposomes. Journal of Materials Chemistry B, 2013, 1, 4297.	5.8	26
2624	Aggregation-Induced Emission and Applications of Aryl-Substituted Pyrrole Derivatives., 0,, 131-155.		3
2626	Nanoparticle‣oaded Cylindrical Micelles from Nanopore Extrusion of Block Copolymer Spherical Micelles. Macromolecular Rapid Communications, 2013, 34, 1850-1855.	3.9	9
2627	Inorganic nanocrystals as contrast agents in MRI: synthesis, coating and introduction of multifunctionality. NMR in Biomedicine, 2013, 26, 766-780.	2.8	45
2628	Ultrafast excitation of quantum dots with a fibre laser for deep tissue imaging. , 2013, , .		0
2629	Biomimetic Synthesis of Fluorogenic Quantum Dots for Ultrasensitive Labelâ€Free Detection of Protease Activities. Small, 2013, 9, 2527-2531.	10.0	29
2630	Upconversion multicolor tuning: Red to green emission from Y2O3:Er, Yb nanoparticles by calcination. Applied Physics Letters, 2013, 102, .	3.3	33
2631	Analyzing Increased Fluorescence of Single Quantum Dots on Dehydrated Agarose by Single-Molecular Imaging. Spectroscopy Letters, 2013, 46, 195-200.	1.0	0
2632	Highly efficient, spatially coherent distributed feedback lasers from dense colloidal quantum dot films. Applied Physics Letters, 2013, 103, .	3.3	36
2633	Characterization of reactively sputtered iron oxide thin films for developing magnetic resonance imaging contrast agents. , $2013, \ldots$		0
2634	Ferritin protein encapsulated photoluminescent rare earth nanoparticle. Journal of Applied Physics, 2013, 114, 044309.	2.5	7

#	Article	IF	CITATIONS
2635	Heme oxygenase expression as a biomarker of exposure to amphiphilic polymer-coated CdSe/ZnS quantum dots. Nanotoxicology, 2013, 7, 181-191.	3.0	20
2636	Formulation design and evaluation of quantum dot-loaded nanostructured lipid carriers for integrating bioimaging and anticancer therapy. Nanomedicine, 2013, 8, 1253-1269.	3.3	29
2637	Nanoflowers: a future therapy for cardiac and ischemic disease?. Nanomedicine, 2013, 8, 1735-1738.	3.3	15
2638	Ubiquinone-quantum dot bioconjugates for in vitro and intracellular complex I sensing. Scientific Reports, 2013, 3, 1537.	3.3	55
2639	EFFECT OF THE STRUCTURE OF ISOMERS OF MERCAPTOVALERIC ACID ON OPTICAL PROPERTIES OF <font< a="">>CdTe</font<>> QUANTUM DOTS. Nano, 2013, 08, 1350049.	1.0	1
2640	Quantum Dot Synthesis Methods. , 2013, , 11-52.		O
2641	Electron Transfer Quenching for Biosensing with Quantum Dots. , 2013, , 121-144.		0
2642	Quantum Dot Probes Based on Energy Transfer Mechanisms. , 2013, , 145-172.		1
2643	- Cationic Polymers for the Delivery of Therapeutic Nucleotides. , 2013, , 41-70.		0
2644	Quantum dot imaging for HSP70 and HSF-1 kinetics in SCC-25 cells with or without leucine deprivation following heat shock. Oncology Reports, 2013, 29, 2255-2260.	2.6	7
2645	CdSe/ZnS Quantum Dots trigger DNA repair and antioxidant enzyme systems in Medicago sativacells in suspension culture. BMC Biotechnology, 2013, 13, 111.	3.3	27
2647	Applications of Quantum Dots for Fluorescence Imaging in Biomedical Research., 2013,, 451-470.		0
2648	Recent Developments and Patents on Biological Sensing using Nanoparticles in Microfluidic Systems. Recent Patents on Nanotechnology, 2013, 7, 81-90.	1.3	7
2649	Probing light-matter interactions at the nanoscale with a deterministically positioned single quantum dot. , 2013, , .		O
2650	Graphene Oxide as a Pathogenâ∈Revealing Agent: Sensing with a Digitalâ∈Like Response. Angewandte Chemie - International Edition, 2013, 52, 13779-13783.	13.8	56
2651	Approaches in the Chemoprevention of Breast Cancer. Journal of Cancer Science & Therapy, 2013, 05, .	1.7	O
2652	Single Molecule Applications of Quantum Dots. Journal of Modern Physics, 2013, 04, 27-42.	0.6	9
2653	Synergetic effect of functional cadmium–tellurium quantum dots conjugated with gambogic acid for HepG2 cell-labeling and proliferation inhibition. International Journal of Nanomedicine, 2013, 8, 3729.	6.7	30

#	ARTICLE	IF	Citations
2654	Biological Applications of ZnO Nanoparticles. Current Molecular Imaging, 2013, 2, 177-192.	0.7	18
2655	Cellular Internalization of Quantum Dots Mediated by Cell-Penetrating Peptides. Pharmaceutical Nanotechnology, 2013, 1, 151-161.	1.5	12
2656	Optical imaging of head and neck squamous cell carcinoma in vivo using arginine-glycine- aspartic acid peptide conjugated near-infrared quantum dots. OncoTargets and Therapy, 2013, 6, 1779.	2.0	14
2657	Theranostic quantum dots for crossing blood–brain barrier in vitro and providing therapy of HIV-associated encephalopathy. Frontiers in Pharmacology, 2013, 4, 140.	3.5	76
2658	A Quantum Dot-Immunofluorescent Labeling Method to Investigate the Interactions between a Crinivirus and Its Whitefly Vector. Frontiers in Microbiology, 2013, 4, 77.	3.5	19
2659	Non-Covalent Synthesis of Metal Oxide Nanoparticle–Heparin Hybrid Systems: A New Approach to Bioactive Nanoparticles. International Journal of Molecular Sciences, 2013, 14, 13463-13481.	4.1	19
2660	Luminescent Silica Nanoparticles for Cancer Diagnosis. Current Medicinal Chemistry, 2013, 20, 2195-2211.	2.4	70
2663	Simple and Sensitive Detection of HBsAg by Using a Quantum Dots Nanobeads Based Dot-Blot Immunoassay. Theranostics, 2014, 4, 307-315.	10.0	61
2664	Electric Field Effects on Photoluminescence of CdSe Nanoparticles in a PMMA Film. Crystals, 2014, 4, 152-167.	2.2	13
2665	Theranostics: A Way of Modern Medical Diagnostics and the Role of Chitosan. Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research, 2014, 09, .	0.1	3
2666	Selective inhibition of liver cancer growth realized by the intrinsic toxicity of a quantum dot–lipid complex. International Journal of Nanomedicine, 2014, 9, 5753.	6.7	28
2668	Pharmacokinetic Properties and Safety of Cadmium-Containing Quantum Dots as Drug Delivery Systems. , 2014, , .		1
2670	Modern Electrochemistry in Nanobiology and Sensorics. , 2014, , .		0
2671	Hybrid light-emitting diodes from anthracene-contained polymer and CdSe/ZnS core/shell quantum dots. Nanoscale Research Letters, 2014, 9, 611.	5.7	11
2672	Two-photon-excited fluorescence resonance energy transfer in an aqueous system of CdTe quantum dots and Rhodamine B. Journal of Applied Physics, 2014, 116, .	2.5	13
2674	Luminescent lanthanide reporters: new concepts for use in bioanalytical applications. Methods and Applications in Fluorescence, 2014, 2, 012001.	2.3	60
2675	Advances and prospects of using nanocrystalline ceria in cancer theranostics. Russian Journal of Inorganic Chemistry, 2014, 59, 1556-1575.	1.3	29
2676	Microarray analysis of the Escherichia coli response to CdTe-GSH Quantum Dots: understanding the bacterial toxicity of semiconductor nanoparticles. BMC Genomics, 2014, 15, 1099.	2.8	26

#	Article	IF	CITATIONS
2677	Remote excitation and remote detection of a single quantum dot using propagating surface plasmons on silver nanowire. Chinese Physics B, 2014, 23, 097302.	1.4	14
2678	Surface passivation assisted lasing emission in the quantum dots doped cholesteric liquid crystal resonating cavity with polymer template. RSC Advances, 2014, 4, 52804-52807.	3.6	9
2679	Fabrication and optical properties of ZnS:Mn2+ quantum dots/SiO2 nanocomposites. Journal of Materials Science: Materials in Electronics, 2014, 25, 4512-4516.	2.2	3
2680	Light Harvesting and Photoemission by Nanoparticles for Photodynamic Therapy. Particle and Particle Systems Characterization, 2014, 31, 46-75.	2.3	24
2681	The identification of high-affinity G protein-coupled receptor ligands from large combinatorial libraries using multicolor quantum dot-labeled cell-based screening. Future Medicinal Chemistry, 2014, 6, 809-823.	2.3	7
2682	Preparation and properties of highly stable quantum dot-based flexible silica films. RSC Advances, 2014, 4, 59733-59739.	3.6	2
2683	Synchrotronâ€Based Xâ€Rayâ€Sensitive Nanoprobes for Cellular Imaging. Advanced Materials, 2014, 26, 7889-7895.	21.0	13
2684	Biocompatible hyaluronic acid polymer-coated quantum dots for CD44+ cancer cell-targeted imaging. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	15
2685	Visible quantum-dot-based targeted siRNA delivery for HIF-1α gene silencing. Journal of Drug Delivery Science and Technology, 2014, 24, 445-451.	3.0	3
2686	Current status and future direction for examining engineered nanoparticles in natural systems. Environmental Chemistry, 2014, 11, 351.	1.5	103
2687	Synthesis and Optical Properties of Thiol Functionalized CdSe/ZnS (Core/Shell) Quantum Dots by Ligand Exchange. Journal of Nanomaterials, 2014, 2014, 1-14.	2.7	17
2688	Protein A Detection Based on Quantum Dots-Antibody Bioprobe Using Fluorescence Coupled Capillary Electrophoresis. International Journal of Molecular Sciences, 2014, 15, 1804-1811.	4.1	11
2689	The investigation of optical properties of water soluble quantum dots in a quantum dot-antibody conjugated compound. , 2014, , .		0
2690	Drug Delivery Nanoparticles in Skin Cancers. BioMed Research International, 2014, 2014, 1-13.	1.9	120
2691	Detection and Characterization of Cancer Cells and Pathogenic Bacteria Using Aptamer-Based Nano-Conjugates. Sensors, 2014, 14, 18302-18327.	3.8	37
2692	Coatings for Optical Fiber Sensors. , 2014, , 103-119.		3
2694	D-Glucosamine Conjugation Accelerates the Labeling Efficiency of Quantum Dots in Osteoblastic Cells. BioMed Research International, 2014, 2014, 1-5.	1.9	7
2695	Measurement complex based on the LabVIEW system for a fluorescence study of quantum dots. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 481.	0.4	O

#	Article	IF	CITATIONS
2696	Near-field analysis of CdSe quantum dot conjugated core-shell nanoparticle. Proceedings of SPIE, $2014, , .$	0.8	0
2697	Use of fluorescent NIR dyes in silica nanoparticles and as enzyme substrates in bioanalytical applications. , 2014, , .		0
2698	Three bisphosphonate ligands improve the water solubility of quantum dots. Faraday Discussions, 2014, 175, 153-169.	3.2	5
2699	Silver nanomaterials for the detection of chemical and biological targets. Nanotechnology Reviews, 2014, 3, .	5.8	3
2700	Fluorescent porous silicon biological probes with high quantum efficiency and stability. Optics Express, 2014, 22, 29996.	3.4	6
2701	The properties and performance of a pH-responsive functionalised nanoparticle. Faraday Discussions, 2014, 175, 171-187.	3.2	3
2702	Fluorescent Nanoparticles. , 2014, , 33-51.		1
2703	Toxicity of quantum dots on respiratory system. Inhalation Toxicology, 2014, 26, 128-139.	1.6	71
2704	Nonlinear optical properties of laser synthesized Pt nanoparticles: saturable and reverse saturable absorption. Laser Physics, 2014, 24, 015901.	1,2	19
2705	Enhanced Mn2+ emission in ZnS:Mn nanoparticles by surface plasmon resonance of gold nanoparticles. Journal of Applied Physics, 2014, 116, 014306.	2.5	6
2706	Hydrazine-Mediated Construction of Nanocrystal Self-Assembly Materials. ACS Nano, 2014, 8, 10569-10581.	14.6	40
2707	Experimental observation of exciton splitting and relaxation dynamics from PbS quantum dots in a glass matrix. Physical Review B, 2014, 89, .	3.2	6
2708	Exploring Sialic Acid Receptorsâ€Related Infection Behavior of Avian Influenza Virus in Human Bronchial Epithelial Cells by Singleâ€Particle Tracking. Small, 2014, 10, 2712-2720.	10.0	24
2709	Tunable near-Infrared Luminescence of PbSe Quantum Dots for Multigas Analysis. Analytical Chemistry, 2014, 86, 11312-11318.	6.5	19
2710	Quantum size effect of poly(o-phenylenediamine) quantum dots: From controllable fabrication to tunable photoluminescence properties. Synthetic Metals, 2014, 198, 142-149.	3.9	42
2711	Bright Singleâ€Chain Conjugated Polymer Dots Embedded Nanoparticles for Longâ€Term Cell Tracing and Imaging. Small, 2014, 10, 1212-1219.	10.0	49
2713	Characterization of the interaction of a monoâ€6â€ŧhioâ€Ĵ²â€ɛyclodextrinâ€ɛapped CdTe quantum dots–methylene blue/methylene green system with herring sperm DNA using a spectroscopic approach. Luminescence, 2014, 29, 884-892.	2.9	6
2714	A supramolecular nanobiological hybrid as a PET sensor for bacterial DNA isolated from Streptomyces sanglieri. Analyst, The, 2014, 139, 6502-6510.	3.5	15

#	Article	IF	Citations
2715	Synthesis of highly luminescent and biocompatible CdTe/CdS/ZnS quantum dots using microwave irradiation: a comparative study of different ligands. Luminescence, 2014, 29, 837-845.	2.9	10
2716	Addressing Key Technical Aspects of Quantum Dot Probe Preparation for Bioassays. Particle and Particle Systems Characterization, 2014, 31, 1291-1299.	2.3	2
2717	Excitation wavelength and intensity dependence of photo-spectral blue shift in singleÂCdSe/ZnS quantum dots. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	10
2718	Organicâ€inorganic nanocomposites composed of conjugated polymers and semiconductor nanocrystals for photovoltaics. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1641-1660.	2.1	28
2719	Interaction of E6 Gene from Human Papilloma Virus 16 (HPV-16) with CdS Quantum Dots. Chromatographia, 2014, 77, 1433-1439.	1.3	5
2720	Probing Lipid Coating Dynamics of Quantum Dot Core Micelles via Förster Resonance Energy Transfer. Small, 2014, 10, 1163-1170.	10.0	10
2721	Imaging of Amyloid- \hat{l}^2 Aggregation Using a Novel Quantum dot Nanoprobe and its Advanced Applications. , 2014, , 121-131.		2
2723	Carbon Nanodots: Synthesis, Characterization, and Bioanalytical Applications. Bioanalytical Reviews, 2014, , 135-175.	0.2	4
2724	System architecture and simulation methodology of a multi-scale drug delivery platform using transient microbots. , 2014, , .		3
2725	AgInS ₂ â€"ZnS nanocrystals: Evidence of bistable states using lightâ€nduced electron paramagnetic resonance and photoluminescence. Physica Status Solidi - Rapid Research Letters, 2014, 8, 349-352.	2.4	3
2726	Development and potential applications of microarrays based on fluorescent nanocrystal-encoded beads for multiplexed cancer diagnostics. Proceedings of SPIE, 2014, , .	0.8	5
2727	Multiplexed spectroscopy with holographic optical tweezers. Proceedings of SPIE, 2014, , .	0.8	0
2728	Monitoring enzyme kinetic behavior of enzyme-quantum dot bioconjugates. Proceedings of SPIE, 2014, ,	0.8	0
2729	Multidentate oligomeric ligands to enhance the biocompatibility of iron oxide and other metal nanoparticles. Proceedings of SPIE, 2014, , .	0.8	O
2730	Tailoring the interplay between electromagnetic fields and nanomaterials toward applications in life sciences: a review. Journal of Biomedical Optics, 2014, 19, 101507.	2.6	15
2731	Model of a realistic InP surface quantum dot extrapolated from atomic force microscopy results. Nanotechnology, 2014, 25, 195201.	2.6	25
2732	Supramolecular Self-Assembly Inside Living Mammalian Cells. Materials Research Society Symposia Proceedings, 2014, 1622, 85-93.	0.1	0
2733	Combining ligand design and photo-ligation to provide optimal quantum dot-bioconjugates for sensing and imaging. Proceedings of SPIE, 2014, , .	0.8	0

#	Article	IF	CITATIONS
2734	Noncytotoxic Mn-doped ZnSe/ZnS quantum dots for biomedical applications. Proceedings of SPIE, 2014, , .	0.8	2
2735	Silicon-Based Nanoprobes for Bioimaging Applications. Springer Briefs in Molecular Science, 2014, , 61-73.	0.1	O
2736	Multi-color cell imaging under identical excitation conditions with salicylideneaniline analogue-based fluorescent nanoparticles. RSC Advances, 2014, 4, 62021-62029.	3.6	21
2738	Chemical Optimization for Simultaneous Voltammetric Detection of Molybdenum and Silver Nanoparticles in Aqueous Buffer Solutions. ChemElectroChem, 2014, 1, 2110-2115.	3.4	1
2739	Nanotechnology in Cancer. Cancer Drug Discovery and Development, 2014, , 703-730.	0.4	0
2740	Re-evaluation of biotin-streptavidin conjugation in Förster resonance energy transfer applications. Journal of Biomedical Optics, 2014, 19, 085008.	2.6	5
2741	Impacts of quantum dots in molecular detection and bioimaging of cancer. BioImpacts, 2014, 4, 149-166.	1.5	95
2742	Production and biofunctionalization of elongated semiconducting nanocrystals for ex-vivo applications. Materials Research Society Symposia Proceedings, 2014, 1635, 97-102.	0.1	2
2743	Transparent CulnS ₂ PMMA Nanocomposites Luminescent in the Visible and NIR Region. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 217-223.	0.7	8
2744	Atomic Force Microscopy Study of the Interaction of DNA and Nanoparticles. Advances in Experimental Medicine and Biology, 2014, 811, 93-109.	1.6	16
2745	Multidentate polymeric ligands for long-term bioimaging using highly stable and functionalized quantum dots. Proceedings of SPIE, 2014, , .	0.8	0
2746	Strategy for high recovery of fluorescence from quencher assembled quantum-dot donor. Proceedings of SPIE, 2014, , .	0.8	O
2747	PEGylated nanoparticles: protein corona and secondary structure. Proceedings of SPIE, 2014, , .	0.8	5
2748	Assembly of Multivalent Protein Ligands and Quantum Dots: A Multifaceted Investigation. Langmuir, 2014, 30, 2161-2169.	3.5	19
2749	Gold nanoclusters with enhanced tunable fluorescence as bioimaging probes. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 102-110.	6.1	72
2750	Linear and nonlinear optical effects induced by energy transfer from semiconductor nanoparticles to photosynthetic biological systems. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 20, 17-32.	11.6	23
2751	CdSe@ZnS nanocomposites prepared by a mechanochemical route: No release of Cd2+ ions and negligible in vitro cytotoxicity. Materials Research Bulletin, 2014, 49, 302-309.	5.2	7
2752	Nanoscale optoelectronic properties of organic p–n junction P3HT/PCBM nanoparticles hybridized with CdSe/ZnS quantum dots. Synthetic Metals, 2014, 193, 17-22.	3.9	5

#	Article	IF	Citations
2753	Acridine orange and silica nanoparticles facilitated novel robust fluorescent hollow microcapsules toward DNA bio-sensor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 443, 320-325.	4.7	5
2754	Synthesis, structures, and properties of a fluoranthene-based biphenol polymer as a fluorescent nano-thermometer. Chemical Engineering Journal, 2014, 240, 319-330.	12.7	15
2755	ZnS quantum dotsâ€based fluorescence spectroscopic technique for the detection of quercetin. Luminescence, 2014, 29, 307-313.	2.9	38
2756	Highly selective detection of dopamine in the presence of ascorbic acid and uric acid using thioglycolic acid capped CdTe quantum dots modified electrode. Journal of Electroanalytical Chemistry, 2014, 712, 19-24.	3.8	74
2757	Single-walled carbon nanohorns decorated with semiconductor quantum dots to evaluate intracellular transport. Journal of Nanoparticle Research, 2014, 16, .	1.9	12
2758	Understanding enzymatic acceleration at nanoparticle interfaces: Approaches and challenges. Nano Today, 2014, 9, 102-131.	11.9	187
2759	Synthesis of near-Infrared Quantum Dots in Cultured Cancer Cells. ACS Applied Materials & Samp; Interfaces, 2014, 6, 18-23.	8.0	62
2760	Controlled influence of quantum dots on purple membranes at interfaces. Colloids and Surfaces B: Biointerfaces, 2014, 117, 248-251.	5.0	15
2761	Luminescent complexes of terbium ion for molecular recognition of ibuprofen. Luminescence, 2014, 29, 202-210.	2.9	19
2762	Luminescent biodetection based on lanthanide-doped inorganic nanoprobes. Coordination Chemistry Reviews, 2014, 273-274, 13-29.	18.8	91
2763	Quantum dots as mediators in gas sensing: A case study of CdS sensitized WO3 sensing composites. Applied Surface Science, 2014, 290, 295-300.	6.1	5
2765	Metal–organic framework composites. Chemical Society Reviews, 2014, 43, 5468-5512.	38.1	1,901
2766	New red-fluorescent calcium indicators for optogenetics, photoactivation and multi-color imaging. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2284-2306.	4.1	73
2767	Photoluminescent carbon dots directly derived from polyethylene glycol and their application for cellular imaging. Carbon, 2014, 71, 87-93.	10.3	218
2768	The in vivo activation of persistent nanophosphors for optical imaging of vascularization, tumours and grafted cells. Nature Materials, 2014, 13, 418-426.	27.5	855
2769	Synthesis of mesoporous silica oxide/C-dot complex (meso-SiO ₂ /C-dots) using pyrolysed rice husk and its application in bioimaging. RSC Advances, 2014, 4, 1174-1179.	3.6	48
2770	DNA-Triggered Dye Transfer on a Quantum Dot. Bioconjugate Chemistry, 2014, 25, 18-23.	3.6	27
2771	Recent progress in the bioconjugation of quantum dots. Coordination Chemistry Reviews, 2014, 263-264, 101-137.	18.8	190

#	Article	IF	CITATIONS
2772	Photocatalytic Carbon Disulfide Production via Charge Transfer Quenching of Quantum Dots. Journal of the American Chemical Society, 2014, 136, 2192-2195.	13.7	43
2773	Effect of Structural Dynamics on the Opto-Electronic Properties of Bare and Hydrated ZnS QDs. Journal of Physical Chemistry C, 2014, 118, 3274-3284.	3.1	12
2774	Synthesis and characterization of quantum dots designed for biomedical use. International Journal of Pharmaceutics, 2014, 466, 382-389.	5.2	34
2775	Properties of Quantum Dots: A New Nanoprobe for Bioimaging. , 2014, , 1263-1298.		2
2776	Nanomedicine: Tiny Particles and Machines Give Huge Gains. Annals of Biomedical Engineering, 2014, 42, 243-259.	2.5	26
2777	Recent advances in the use of near-infrared quantum dots as optical probes for bioanalytical, imaging and solar cell application. Mikrochimica Acta, 2014, 181, 1485-1495.	5.0	27
2778	Morphology–structure diversity of ZnS nanostructures and their optical properties. Rare Metals, 2014, 33, 1-15.	7.1	33
2779	Study of Polycation-Capped Mn:ZnSe Quantum Dots as a Novel Fluorescent Probe for Living Cells. Journal of Fluorescence, 2014, 24, 767-774.	2.5	5
2780	A novel approach for fluorescent visualization of glycyrrhetic acid on a cell with a quantum dot. Biochemistry (Moscow), 2014, 79, 25-30.	1.5	3
2781	Hydrothermal synthesis of PEG-capped ZnS:Mn2+ quantum dots nanocomposites. Chemical Research in Chinese Universities, 2014, 30, 176-180.	2.6	5
2782	Remarkable enhancement of the near-infrared upconversion emission in the $\hat{1}^2$ -NaYF4:Yb3+/Tm3+ system with controllable morphology. Materials Research Bulletin, 2014, 51, 180-184.	5.2	7
2783	Counterion-enhanced cyanine dye loading into lipid nano-droplets for single-particle tracking in zebrafish. Biomaterials, 2014, 35, 4950-4957.	11.4	60
2784	A sensitive quantum dots-based "OFF-ON―fluorescent sensor for ruthenium anticancer drugs and ctDNA. Colloids and Surfaces B: Biointerfaces, 2014, 117, 240-247.	5.0	40
2785	Reduction of nonspecific binding for cellular imaging using quantum dots conjugated with vitamin E. AICHE Journal, 2014, 60, 1591-1597.	3.6	5
2786	Nose-to-brain transport of aerosolised quantum dots following acute exposure. Nanotoxicology, 2014, 8, 885-893.	3.0	75
2787	Incidence of the core composition on the stability, the ROS production and the toxicity of CdSe quantum dots. Journal of Hazardous Materials, 2014, 268, 246-255.	12.4	55
2788	Applications of quantum dots with upconverting luminescence in bioimaging. Journal of Photochemistry and Photobiology B: Biology, 2014, 135, 23-32.	3.8	33
2789	Lanthanide upconversion nanoparticles and applications in bioassays and bioimaging: A review. Analytica Chimica Acta, 2014, 832, 1-33.	5.4	341

#	Article	IF	CITATIONS
2790	Building from the "Ground―Up: Developing interfacial chemistry for solid-phase nucleic acid hybridization assays based on quantum dots and fluorescence resonance energy transfer. Coordination Chemistry Reviews, 2014, 263-264, 25-52.	18.8	25
2791	Photoelectrochemical Investigations of Semiconductor Nanoparticles and Their Application to Solar Cells. Journal of Physical Chemistry C, 2014, 118, 17123-17141.	3.1	26
2792	A highly sensitive sensing system based on photoluminescent quantum dots for highly toxic organophosphorus compounds. RSC Advances, 2014, 4, 8321.	3.6	23
2793	Nanomaterials for Drug Delivery. , 2014, , 221-268.		19
2794	Toward Structurally Defined Carbon Dots as Ultracompact Fluorescent Probes. ACS Nano, 2014, 8, 4522-4529.	14.6	218
2795	Extracellular bio-production and characterization of small monodispersed CdSe quantum dot nanocrystallites. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 344-349.	3.9	38
2796	Biocompatible, Uniform, and Redispersible Mesoporous Silica Nanoparticles for Cancerâ€Targeted Drug Delivery In Vivo. Advanced Functional Materials, 2014, 24, 2450-2461.	14.9	238
2797	Cadmium sulfide nanoparticles with controllable morphology, photoluminescence and photocatalytic activity templated by worm-like dendronized poly(amido amine)s. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 450, 25-35.	4.7	11
2798	Synthesis and optical properties of core/shell ternary/ternary CdZnSe/ZnSeS quantum dots. Optical Materials, 2014, 36, 1534-1541.	3.6	9
2799	Photoluminescence properties of hybrid SiO ₂ â€coated CdTe/CdSe quantum dots. Luminescence, 2014, 29, 566-572.	2.9	7
2800	Characterization and cancer cell targeted imaging properties of human antivascular endothelial growth factor monoclonal antibody conjugated CdTe/ZnS quantum dots. Luminescence, 2014, 29, $1177-1182$.	2.9	12
2801	ZnSe quantum dots based fluorescence quenching method for determination of paeoniflorin. Journal of Luminescence, 2014, 145, 569-574.	3.1	12
2802	Metabolic Tumor Profiling with pH, Oxygen, and Glucose Chemosensors on a Quantum Dot Scaffold. Inorganic Chemistry, 2014, 53, 1900-1915.	4.0	59
2803	Air-Stable Near-Infrared AgInSe ₂ Nanocrystals. ACS Nano, 2014, 8, 3476-3482.	14.6	59
2804	Reversible Modification of CdSe–CdS/ZnS Quantum Dot Fluorescence by Surrounding Ca ²⁺ Ions. Journal of Physical Chemistry C, 2014, 118, 10424-10433.	3.1	24
2805	Chemistry, Biology, and Medicine of Fluorescent Nanomaterials and Related Systems: New Insights into Biosensing, Bioimaging, Genomics, Diagnostics, and Therapy. Chemical Reviews, 2014, 114, 6130-6178.	47.7	693
2806	Nanomaterial-mediated Biosensors for Monitoring Glucose. Journal of Diabetes Science and Technology, 2014, 8, 403-411.	2.2	85
2807	Time-dependent pH sensing phenomena using CdSe/ZnS quantum dots in EIS structure. Nanoscale Research Letters, 2014, 9, 179.	5.7	17

#	Article	IF	CITATIONS
2809	Optical Transducers. , 2014, , 233-320.		4
2810	Quantum dots in diagnostics and detection: principles and paradigms. Analyst, The, 2014, 139, 2968-2981.	3.5	116
2811	Mechanical properties of nanoparticles: basics and applications. Journal Physics D: Applied Physics, 2014, 47, 013001.	2.8	454
2812	Two Novel Ternary Dicopper(II) $\hat{l}^{1}\!\!/\!\!\!4$ -Guanazole Complexes with Aromatic Amines Strongly Activated by Quantum Dots for DNA Cleavage. Inorganic Chemistry, 2014, 53, 578-593.	4.0	20
2813	Semicondutor quantum dots-based metal ion probes. Nanoscale, 2014, 6, 43-64.	5.6	264
2814	Size tuning at full yield in the synthesis of colloidal semiconductor nanocrystals, reaction simulations and experimental verification. Coordination Chemistry Reviews, 2014, 263-264, 217-228.	18.8	27
2815	Upconversion emission colour modulation of Y2O2S: Yb, Er under $1.55\hat{l}\frac{1}{4}$ m and 980nm excitation. Journal of Alloys and Compounds, 2014, 587, 344-348.	5 . 5	49
2816	"Flash―Synthesis of CdSe/CdS Core–Shell Quantum Dots. Chemistry of Materials, 2014, 26, 1154-1160.	6.7	124
2817	Unique temporal and spatial biomolecular emission profile on individual zinc oxide nanorods. Nanoscale, 2014, 6, 308-315.	5.6	24
2818	Metal ions optical sensing by semiconductor quantum dots. Journal of Materials Chemistry C, 2014, 2, 595-613.	5.5	163
2819	Recovering hidden quanta of Cu2+-doped ZnS quantum dots in reductive environment. Nanoscale, 2014, 6, 953-961.	5.6	8
2820	Photophysical processes in single molecule organic fluorescent probes. Chemical Society Reviews, 2014, 43, 1057-1075.	38.1	253
2821	Strong emission via up-conversion of Gd2O3:Yb3+, Ho3+ nanopowders co-doped with alkali metals ions. Journal of Luminescence, 2014, 145, 466-472.	3.1	36
2822	Recent advances in heterogeneous catalysts for bio-oil upgrading via "ex situ catalytic fast pyrolysis― catalyst development through the study of model compounds. Green Chemistry, 2014, 16, 454-490.	9.0	418
2823	Label-free fluorescence assay for thrombin based on unmodified quantum dots. Biosensors and Bioelectronics, 2014, 54, 42-47.	10.1	34
2824	Adenosine capped QDs based fluorescent sensor for detection of dopamine with high selectivity and sensitivity. Analyst, The, 2014, 139, 93-98.	3. 5	108
2825	Lanthanides and Quantum Dots as Förster Resonance Energy Transfer Agents for Diagnostics and Cellular Imaging. Inorganic Chemistry, 2014, 53, 1824-1838.	4.0	121
2826	Polymer-coated fluorescent CdSe-based quantum dots for application in immunoassay. Biosensors and Bioelectronics, 2014, 53, 225-231.	10.1	95

#	Article	IF	CITATIONS
2827	Telegraphic Noise in Transport through Colloidal Quantum Dots. Nano Letters, 2014, 14, 882-887.	9.1	13
2828	In Situ Photochemical Surface Passivation of CdSe/ZnS Quantum Dots for Quantitative Light Emission and Enhanced Photocurrent Response in Solar Cells. Journal of Physical Chemistry C, 2014, 118, 2178-2186.	3.1	25
2829	A primer on the synthesis, water-solubilization, and functionalization of quantum dots, their use as biological sensing agents, and present status. Physical Chemistry Chemical Physics, 2014, 16, 837-855.	2.8	80
2830	Biocompatible and Highly Luminescent Near-Infrared CulnS ₂ /ZnS Quantum Dots Embedded Silica Beads for Cancer Cell Imaging. ACS Applied Materials & Interfaces, 2014, 6, 2011-2017.	8.0	109
2831	Benchmark Assessment of Density Functional Methods on Group II–VI MX (M = Zn, Cd; X = S, Se, Te) Quantum Dots. Journal of Chemical Theory and Computation, 2014, 10, 76-89.	5.3	69
2832	A novel approach to synthesize ultrasmall Cu doped Zn–In–Se nanocrystal emitters in a colloidal system. Nanoscale, 2014, 6, 3403-3409.	5.6	19
2833	Colloidal silicon quantum dots: from preparation to the modification of self-assembled monolayers (SAMs) for bio-applications. Chemical Society Reviews, 2014, 43, 2680-2700.	38.1	360
2834	Photofunctional Materials Fabricated with Chalcopyrite-Type Semiconductor Nanoparticles Composed of AgInS ₂ and Its Solid Solutions. Journal of Physical Chemistry Letters, 2014, 5, 336-347.	4.6	115
2835	Core/shell nanoparticles in biomedical applications. Advances in Colloid and Interface Science, 2014, 209, 8-39.	14.7	457
2837	Photoluminescence of CdSe and CdSe/ZnS quantum dots: Modifications for making the invisible visible at ensemble and single-molecule levels. Coordination Chemistry Reviews, 2014, 263-264, 2-12.	18.8	26
2838	Disassemblyâ€Driven Fluorescence Turnâ€on of Polymerized Micelles by Reductive Stimuli in Living Cells. Chemistry - A European Journal, 2014, 20, 16473-16477.	3.3	24
2839	Derivatization of Colloidal Gold Nanoparticles Toward Their Application in Life Sciences11This chapter is an adopted version based on the PhD thesis of Dominik Hýhn as submitted at the Philipps Universit¤Marburg Comprehensive Analytical Chemistry, 2014, 66, 153-206.	1.3	0
2840	pH-Responsive quantum dots (RQDs) that combine a fluorescent nanoparticle with a pH-sensitive dye. Physical Chemistry Chemical Physics, 2014, 16, 25255-25257.	2.8	16
2841	Silica nanostructures synthesis and CdTe quantum dots immobilization for photocatalytical applications. RSC Advances, 2014, 4, 59697-59705.	3.6	7
2842	Quantum Dots: Applications in Biology. Methods in Molecular Biology, 2014, , .	0.9	7
2843	Histidine-Derived Nontoxic Nitrogen-Doped Carbon Dots for Sensing and Bioimaging Applications. Langmuir, 2014, 30, 13542-13548.	3.5	141
2844	Near-Infrared Fluorescent Semiconducting Polymer Dots with High Brightness and Pronounced Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains on the Comonomers. ACS Applied Materials & Effect of Positioning Alkyl Chains & Effect of	8.0	57
2845	Sizeâ€Dependent Thermochromism through Enhanced Electron–Phonon Coupling in 1 nm Quantum Dots. Angewandte Chemie - International Edition, 2014, 53, 10706-10709.	13.8	18

#	Article	IF	CITATIONS
2846	Dendronized Cellulose Nanocrystals as Templates for Preparation of ZnS and CdS Quantum Dots. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 743-749.	2.2	9
2847	Magnetically Encoded Luminescent Composite Nanoparticles through Layerâ€by‣ayer Selfâ€Assembly. Chemistry - A European Journal, 2014, 20, 14642-14649.	3.3	16
2848	Label-free fluorescence turn-on sensing for melamine based on fluorescence resonance energy transfer between CdTe/CdS quantum dots and gold nanoparticles. RSC Advances, 2014, 4, 61667-61672.	3.6	17
2849	Large Enhancement of Quantum Dot Fluorescence by Highly Scalable Nanoporous Gold. Advanced Materials, 2014, 26, 1289-1294.	21.0	69
2850	Quantum Dots for Traceable Therapeutic Delivery. , 2014, , 393-417.		2
2851	Nanoparticle contrast agents for computed tomography: a focus on micelles. Contrast Media and Molecular Imaging, 2014, 9, 37-52.	0.8	268
2852	Mixed-solvent strategy for solvothermal synthesis of well-dispersed YBO3:Ce3+,Tb3+ nanocrystals. RSC Advances, 2014, 4, 11219.	3.6	19
2853	Infrared emitting quantum dots: DNA conjugation and DNA origami directed self-assembly. Nanoscale, 2014, 6, 4486-4490.	5. 6	24
2854	A quantum dot-based microRNA nanosensor for point mutation assays. Chemical Communications, 2014, 50, 7160.	4.1	45
2855	Supramolecular enhancement of aggregation-induced emission and its application in cancer cell imaging. Journal of Materials Chemistry C, 2014, 2, 6609-6617.	5. 5	87
2856	Fabrication, biofunctionalization, and simultaneous multicolor emission of hybrid "dots-on-spheres― structures for specific targeted imaging of cancer cells. RSC Advances, 2014, 4, 41378-41386.	3.6	9
2857	Fluorescence enhancement detection of uric acid based on water-soluble 3-mercaptopropionic acid-capped core/shell ZnS:Cu/ZnS. RSC Advances, 2014, 4, 25183-25188.	3.6	24
2858	Highly biocompatible POSS-coated CdTe quantum dots for cell labeling. RSC Advances, 2014, 4, 598-604.	3.6	9
2859	Detection of Epstein–Barr virus infection in cancer by using highly specific nanoprobe based on dBSA capped CdTe quantum dots. RSC Advances, 2014, 4, 22545.	3. 6	9
2860	Nanoscale characterization of DNA conformation using dual-color fluorescence axial localization and label-free biosensing. Analyst, The, 2014, 139, 6440-6449.	3.5	7
2861	Catechols as ligands for CdSe–ZnS quantum dots. RSC Advances, 2014, 4, 10208.	3.6	11
2862	Current rectification by a single ZnS nanorod probed using a scanning tunneling microscopic technique. Journal of Materials Chemistry C, 2014, 2, 1158.	5 . 5	9
2863	Fluorescent topographic nanopatterns by fluorophore-functionalized diblock copolymers. RSC Advances, 2014, 4, 41336-41340.	3.6	1

#	ARTICLE	IF	CITATIONS
2864	Effect of ligands on the characteristics of (CdSe) ₁₃ quantum dots. RSC Advances, 2014, 4, 27146-27151.	3.6	23
2865	A quantum dot-based microfluidic multi-window platform for quantifying the biomarkers of breast cancer cells. Integrative Biology (United Kingdom), 2014, 6, 430.	1.3	7
2866	Core–shell ZnSe–CdSe quantum dots: a facile approach via decomposition of cyclohexeno-1,2,3-selenadiazole. RSC Advances, 2014, 4, 17526-17532.	3.6	17
2867	Nanometer-sized manganese oxide-quenched fluorescent oligonucleotides: an effective sensing platform for probing biomolecular interactions. Chemical Communications, 2014, 50, 11049.	4.1	72
2868	Fluorescence Quenching of Quantum Dots by Gold Nanoparticles: A Potential Long Range Spectroscopic Ruler. Nano Letters, 2014, 14, 5052-5057.	9.1	149
2869	Enhancing the physicochemical and photophysical properties of small (<2.0 nm) CdSe nanoclusters for intracellular imaging applications. RSC Advances, 2014, 4, 30742.	3.6	12
2870	Facile fabrication of OA-POSS modified near-infrared-emitting CdSeTe alloyed quantum dots and their bioapplications. New Journal of Chemistry, 2014, 38, 3242-3249.	2.8	15
2871	Fluorescent quantum dots derived from PEDOT and their applications in optical imaging and sensing. Materials Horizons, 2014, 1, 529-534.	12.2	30
2872	A novel FRET probe for selective and sensitive determination of vitamin B ₁₂ by functionalized CdS QDs in aqueous media: applications to pharmaceutical and biomedical analysis. RSC Advances, 2014, 4, 683-692.	3.6	33
2873	Biotin-decorated silica coated PbS nanocrystals emitting in the second biological near infrared window for bioimaging. Nanoscale, 2014, 6, 7924-7933.	5.6	28
2874	Aptamer-mediated nanocomposites of semiconductor quantum dots and graphene oxide as well as their applications in intracellular imaging and targeted drug delivery. Journal of Materials Chemistry B, 2014, 2, 8558-8565.	5.8	31
2875	Copperâ€Doped CdSe/ZnS Quantum Dots: Controllable Photoactivated Copper(I) Cation Storage and Release Vectors for Catalysis. Angewandte Chemie - International Edition, 2014, 53, 1598-1601.	13.8	58
2876	Amphiphilic Layer-by-Layer Assembly Overcoming Solvent Polarity between Aqueous and Nonpolar Media. Journal of the American Chemical Society, 2014, 136, 17213-17223.	13.7	35
2877	Quantum-dot-tagged photonic crystal beads for multiplex detection of tumor markers. Chemical Communications, 2014, 50, 14589-14592.	4.1	33
2878	CdSe/CdS-quantum rods: fluorescent probes for <i>in vivo</i> two-photon laser scanning microscopy. Nanoscale, 2014, 6, 10413-10422.	5.6	31
2879	Identification of TiO ₂ nanoparticles using La and Ce as labels: application to the evaluation of surface contamination during the handling of nanosized matter. Environmental Science: Nano, 2014, 1, 496-503.	4.3	12
2880	Fluorescence spectroscopy of individual semiconductor nanoparticles in different ethylene glycols. Physical Chemistry Chemical Physics, 2014, 16, 10444-10455.	2.8	7
2881	Folate and biotin based bifunctional quantum dots as fluorescent cell labels. RSC Advances, 2014, 4, 10434.	3.6	4

#	Article	IF	CITATIONS
2882	Revisiting the principles of preparing aqueous quantum dots for biological applications: the effects of surface ligands on the physicochemical properties of quantum dots. RSC Advances, 2014, 4, 13805-13816.	3.6	24
2883	Ultrabright NIR fluorescent mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2014, 2, 3107-3114.	5.8	45
2884	Growth kinetics study revealing the role of the MPA capping ligand on adjusting the growth modes and PL properties of CdTe QDs. CrystEngComm, 2014, 16, 1547-1552.	2.6	6
2885	Selectively recognizing organic semiconducting molecules on solid state molecular cages based on ZnOTCPP. Dalton Transactions, 2014, 43, 432-438.	3.3	3
2886	Encapsulated Cd ₃ P ₂ quantum dots emitting from the visible to the near infrared for bio-labelling applications. CrystEngComm, 2014, 16, 9622-9630.	2.6	6
2887	Compact and Blinking-Suppressed Quantum Dots for Single-Particle Tracking in Live Cells. Journal of Physical Chemistry B, 2014, 118, 14140-14147.	2.6	61
2888	A CdTe/CdS/ZnS core/shell/shell QDs-based "OFF–ON―fluorescent biosensor for sensitive and specific determination of <scp>l</scp> -ascorbic acid. RSC Advances, 2014, 4, 46751-46761.	3.6	50
2889	Sweet nanodot for biomedical imaging: carbon dot derived from xylitol. RSC Advances, 2014, 4, 23210.	3.6	35
2890	Detection of adenine-rich ssDNA based on thymine-substituted tetraphenylethene with aggregation-induced emission characteristics. RSC Advances, 2014, 4, 33307.	3.6	28
2891	The relationship between photoluminescence (PL) decay and crystal growth kinetics in thioglycolic acid (TGA) capped CdTe quantum dots (QDs). Physical Chemistry Chemical Physics, 2014, 16, 11747.	2.8	5
2892	Rare earth nanoprobes for functional biomolecular imaging and theranostics. Journal of Materials Chemistry B, 2014, 2, 2958-2973.	5.8	68
2893	Design and Applications of Nanomaterial-Based and Biomolecule-Based Nanodevices and Nanosensors. Challenges and Advances in Computational Chemistry and Physics, 2014, , 61-97.	0.6	7
2895	Bio-Inspired Supramolecular Hybrid Dendrimers Self-Assembled from Low-Generation Peptide Dendrons for Highly Efficient Gene Delivery and Biological Tracking. ACS Nano, 2014, 8, 9255-9264.	14.6	100
2896	Surface ligands in synthesis, modification, assembly and biomedical applications of nanoparticles. Nano Today, 2014, 9, 457-477.	11.9	169
2897	Vitamin B ₁ Derived Blue and Green Fluorescent Carbon Nanoparticles for Cell-Imaging Application. ACS Applied Materials & Samp; Interfaces, 2014, 6, 7672-7679.	8.0	88
2898	Fabrication of bright and small size semiconducting polymer nanoparticles for cellular labelling and single particle tracking. Nanoscale, 2014, 6, 11351-11358.	5.6	23
2899	Secondary Structure of Corona Proteins Determines the Cell Surface Receptors Used by Nanoparticles. Journal of Physical Chemistry B, 2014, 118, 14017-14026.	2.6	188
2900	Quantum Dot Photoactivation of Pt(IV) Anticancer Agents: Evidence of an Electron Transfer Mechanism Driven by Electronic Coupling. Journal of Physical Chemistry C, 2014, 118, 8712-8721.	3.1	20

#	Article	IF	CITATIONS
2901	Shape Dependent Synthesis and Field Emission Induced Rectification in Single ZnS Nanocrystals. ACS Applied Materials & Samp; Interfaces, 2014, 6, 7856-7863.	8.0	12
2902	Investigating the role of polytypism in the growth of multi-shell CdSe/CdZnS quantum dots. Journal of Materials Chemistry C, 2014, 2, 4659-4666.	5.5	5
2903	Dual Switchable CRET-Induced Luminescence of CdSe/ZnS Quantum Dots (QDs) by the Hemin/G-Quadruplex-Bridged Aggregation and Deaggregation of Two-Sized QDs. Nano Letters, 2014, 14, 6030-6035.	9.1	62
2904	Thin-coated water soluble CdTeS alloyed quantum dots as energy donors for highly efficient FRET. Dalton Transactions, 2014, 43, 15583-15592.	3.3	11
2905	Surface Analytical Study of Poly(acrylic acid)-Grafted Microparticles (Beads): Characterization, Chemical Derivatization, and Quantification of Surface Carboxyl Groups. Journal of Physical Chemistry C, 2014, 118, 20393-20404.	3.1	39
2906	Electrochemically Generated versus Photoexcited Luminescence from Semiconductor Nanomaterials: Bridging the Valley between Two Worlds. Chemical Reviews, 2014, 114, 11027-11059.	47.7	265
2907	Crystal-Bound <i>vs</i> Surface-Bound Thiols on Nanocrystals. ACS Nano, 2014, 8, 10205-10213.	14.6	106
2908	Dual core quantum dots for highly quantitative ratiometric detection of trypsin activity in cystic fibrosis patients. Nanoscale, 2014, 6, 13623-13629.	5.6	16
2909	Large Scale Synthesis of Air Stable Precursors for the Preparation of High Quality Metal Arsenide and Phosphide Nanocrystals as Efficient Emitters Covering the Visible to Near Infrared Region. Chemistry of Materials, 2014, 26, 3599-3602.	6.7	16
2911	Quantum-Dot-Induced Self-Assembly of Cricoid Protein for Light Harvesting. ACS Nano, 2014, 8, 3743-3751.	14.6	83
2912	Ag Nanocluster/DNA Hybrids: Functional Modules for the Detection of Nitroaromatic and RDX Explosives. Nano Letters, 2014, 14, 4918-4922.	9.1	109
2913	Toward Rapid, High-Sensitivity, Volume-Constrained Biomarker Quantification and Validation using Backscattering Interferometry. Analytical Chemistry, 2014, 86, 7566-7574.	6.5	17
2914	Synthesis of Ligand-Stabilized Metal Oxide Nanocrystals and Epitaxial Core/Shell Nanocrystals <i>via</i> a Lower-Temperature Esterification Process. ACS Nano, 2014, 8, 64-75.	14.6	82
2915	Quantitative Compositional Profiling of Conjugated Quantum Dots with Single Atomic Layer Depth Resolution via Time-of-Flight Medium-Energy Ion Scattering Spectroscopy. Analytical Chemistry, 2014, 86, 1091-1097.	6.5	23
2916	Shape-Dependent Two-Photon Photoluminescence of Single Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 13904-13911.	3.1	92
2917	Nanoparticles for photothermal therapies. Nanoscale, 2014, 6, 9494-9530.	5.6	1,562
2918	Real-Time Monitoring of Anticancer Drug Release with Highly Fluorescent Star-Conjugated Copolymer as a Drug Carrier. Biomacromolecules, 2014, 15, 1355-1364.	5.4	77
2919	Dielectric response of Il–VI semiconductor core–shell ensembles: Study of the lossless optical condition. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 63, 229-234.	2.7	1

#	Article	IF	CITATIONS
2920	Biological Applications. Engineering Materials and Processes, 2014, , 317-330.	0.4	0
2921	Highly Colloidally Stable Hyperbranched Polyglycerol Grafted Red Fluorescent Silicon Nanoparticle as Bioimaging Probe. ACS Applied Materials & Samp; Interfaces, 2014, 6, 4301-4309.	8.0	60
2922	Plasmonic Nanopipette Biosensor. Analytical Chemistry, 2014, 86, 8998-9005.	6.5	39
2923	Simultaneous RGB Emitting Au Nanoclusters in Chitosan Nanoparticles for Anticancer Gene Theranostics. ACS Applied Materials & Samp; Interfaces, 2014, 6, 712-724.	8.0	89
2924	"Fastening―Porphyrin in Highly Cross-Linked Polyphosphazene Hybrid Nanoparticles: Powerful Red Fluorescent Probe for Detecting Mercury Ion. Langmuir, 2014, 30, 4458-4464.	3 . 5	54
2925	An Iron Oxide Nanocarrier for dsRNA to Target Lymph Nodes and Strongly Activate Cells of the Immune System. Small, 2014, 10, 5054-5067.	10.0	21
2926	Responsive delivery of drug cocktail via mesoporous silica nanolamps. Journal of Colloid and Interface Science, 2014, 434, 1-8.	9.4	18
2927	One-Pot Synthesis of DNA-CdTe:Zn ²⁺ Nanocrystals Using Na ₂ TeO ₃ as the Te source. ACS Applied Materials & Samp; Interfaces, 2014, 6, 3189-3194.	8.0	29
2928	Smart polymer nanocarriers for drug delivery. , 2014, , 327-358.		8
2929	Facile tuning of the aggregation-induced emission wavelength in a common framework of a cyclometalated iridium(<scp>iii</scp>) complex: micellar encapsulated probe in cellular imaging. Journal of Materials Chemistry C, 2014, 2, 5615-5628.	5.5	49
2930	Polyethylene Glycol Backfilling Mitigates the Negative Impact of the Protein Corona on Nanoparticle Cell Targeting. Angewandte Chemie - International Edition, 2014, 53, 5093-5096.	13.8	276
2931	Silicon Carbide Nanostructures. Engineering Materials and Processes, 2014, , .	0.4	63
2932	Chemical sensing with nanoparticles as optical reporters: from noble metal nanoparticles to quantum dots and upconverting nanoparticles. Analyst, The, 2014, 139, 5321-5334.	3.5	40
2933	Cascade Biocatalysis by Multienzyme–Nanoparticle Assemblies. Bioconjugate Chemistry, 2014, 25, 1387-1394.	3.6	53
2934	From Pair to Single: Sole Fluorophore for Ratiometric Sensing by Dual-Emitting Quantum Dots. Analytical Chemistry, 2014, 86, 6188-6191.	6.5	39
2935	Nitrogen and sulfur co-doped carbon dots with strong blue luminescence. Nanoscale, 2014, 6, 13817-13823.	5.6	497
2936	Multiplexed detection of various breast cancer cells by perfluorocarbon/quantum dot nanoemulsions conjugated with antibodies. Nano Convergence, 2014, 1, 23.	12.1	25
2937	Optical properties of fluorescent zigzag graphene quantum dots derived from multi-walled carbon nanotubes. Applied Physics Letters, 2014, 104, .	3.3	28

#	Article	IF	CITATIONS
2938	Antibody nanosensors: a detailed review. RSC Advances, 2014, 4, 43725-43745.	3.6	74
2939	New fluorescent pH sensor based on label-free silicon nanodots. Sensors and Actuators B: Chemical, 2014, 203, 795-801.	7.8	67
2940	3â€Dimensional Tracking of Nonâ€blinking â€~Giant' Quantum Dots in Live Cells. Advanced Functional Materials, 2014, 24, 4796-4803.	14.9	29
2941	Magnetically Engineered Semiconductor Quantum Dots as Multimodal Imaging Probes. Advanced Materials, 2014, 26, 6367-6386.	21.0	145
2942	<i>T</i> ₁ and <i>T</i> ₂ Dual-Mode MRI Contrast Agent for Enhancing Accuracy by Engineered Nanomaterials. ACS Nano, 2014, 8, 3393-3401.	14.6	195
2943	Interactions between quantum dots and dopamine coupled via a peptide bridge. RSC Advances, 2014, 4, 2143-2150.	3.6	4
2944	Self-Replication Fabrication of Ligand-Free CdSe Quantum Dots on a Nanofiber Microreactor via a Solid–Liquid Interfacial Method. Industrial & Engineering Chemistry Research, 2014, 53, 8753-8758.	3.7	3
2945	Charge Transport-Induced Recoil and Dissociation in Double Quantum Dots. Nano Letters, 2014, 14, 6244-6249.	9.1	16
2946	Soft and hard multiway FRET-based investigation of interaction between drug and QD labeled DNA. Chemometrics and Intelligent Laboratory Systems, 2014, 139, 33-41.	3.5	11
2947	Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo. Advanced Functional Materials, 2014, 24, 5781-5789.	14.9	191
2948	Spraying Quantum Dot Conjugates in the Colon of Live Animals Enabled Rapid and Multiplex Cancer Diagnosis Using Endoscopy. ACS Nano, 2014, 8, 8896-8910.	14.6	46
2949	Stable and luminescent wurtzite CdS, ZnS and CdS/ZnS core/shell quantum dots. Applied Physics A: Materials Science and Processing, 2014, 117, 1249-1258.	2.3	15
2950	Quantum dot-based turn-on fluorescent probe for imaging intracellular zinc(II) and cadmium(II) ions. Mikrochimica Acta, 2014, 181, 1361-1367.	5.0	19
2951	Self-assembled bionanoparticles based on the Sulfolobus tengchongensis spindle-shaped virus 1 (STSV1) coat protein as a prospective bioscaffold for nanotechnological applications. Extremophiles, 2014, 18, 745-754.	2.3	1
2952	Preparation and Characterization of Optically Active Polyacetylene@CdTe Quantum Dots Composites with Low Infrared Emissivity. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 591-599.	3.7	4
2953	Quantiosomes as a Multimodal Nanocarrier for Integrating Bioimaging and Carboplatin Delivery. Pharmaceutical Research, 2014, 31, 2664-2676.	3.5	3
2954	Uptake, Translocation, and Transformation of Quantum Dots with Cationic versus Anionic Coatings by <i>Populus deltoides</i> × <i>nigra</i> Cuttings. Environmental Science &	10.0	53
2955	Effect of aggregated silver nanoparticles on luminol chemiluminescence system and its analytical application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 76-81.	3.9	17

#	Article	IF	CITATIONS
2956	Enzymeâ€Responsive Cellâ€Penetrating Peptide Conjugated Mesoporous Silica Quantum Dot Nanocarriers for Controlled Release of Nucleusâ€Targeted Drug Molecules and Realâ€Time Intracellular Fluorescence Imaging of Tumor Cells. Advanced Healthcare Materials, 2014, 3, 1230-1239.	7.6	129
2957	Organic–Inorganic Interfaceâ€Induced Multiâ€Fluorescence of MgO Nanocrystal Clusters and Their Applications in Cellular Imaging. Chemistry - A European Journal, 2014, 20, 5244-5252.	3.3	15
2958	Modulation of Reaction Kinetics for the Tuneable Synthesis of Gold Nanoparticles and Quantum Clusters: Application of Gold Quantum Clusters as "Turnâ€Off―Sensing Probe for Sn ⁴⁺ Ions. ChemPlusChem, 2014, 79, 134-142.	2.8	15
2959	Nanobiohybrid structures based on the organized films of photosensitive membrane proteins. Russian Chemical Reviews, 2014, 83, 38-81.	6.5	10
2960	Singleâ€Crystalline Tungsten Oxide Quantum Dots for Fast Pseudocapacitor and Electrochromic Applications. Advanced Materials, 2014, 26, 4260-4267.	21.0	350
2961	A Simple Route to Alloyed Quaternary Nanocrystals Ag–In–Zn–S with Shape and Size Control. Inorganic Chemistry, 2014, 53, 5002-5012.	4.0	52
2962	Anisotropic Absorption in PbSe Nanorods. ACS Nano, 2014, 8, 581-590.	14.6	29
2963	Detecting Kallikrein Proteolytic Activity with Peptide-Quantum Dot Nanosensors. ACS Applied Materials & Samp; Interfaces, 2014, 6, 11529-11535.	8.0	27
2964	Nanoparticle–Cell Interactions: Molecular Structure of the Protein Corona and Cellular Outcomes. Accounts of Chemical Research, 2014, 47, 2651-2659.	15.6	464
2965	Highly oxidized graphene with enhanced fluorescence and its direct fluorescence visualization. Science China Chemistry, 2014, 57, 605-614.	8.2	7
2966	Carbon Nanotube Thin Film-Supported Fibroblast and Pluripotent Stem Cell Growth. BioNanoScience, 2014, 4, 288-300.	3.5	5
2967	Polydiacetylene-Enclosed Near-Infrared Fluorescent Semiconducting Polymer Dots for Bioimaging and Sensing. Analytical Chemistry, 2014, 86, 4831-4839.	6.5	92
2968	Evaluation of nonspecific interactions between quantum dots and proteins. Physical Chemistry Chemical Physics, 2014, 16, 7677.	2.8	11
2969	Single-molecule detection of chaperonin dynamics through polarization rotation modulation of CdSe QD luminescence imaging. Journal of Luminescence, 2014, 152, 88-92.	3.1	3
2970	Near-Infrared Emitting AgInS ₂ /ZnS Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 13883-13889.	3.1	68
2971	Real-Time Visualizing and Tracing of HSV-TK/GCV Suicide Gene Therapy by Near-Infrared Fluorescent Quantum Dots. ACS Applied Materials & Samp; Interfaces, 2014, 6, 11082-11090.	8.0	26
2972	Cytotoxicity of Cadmium-Free Quantum Dots and Their Use in Cell Bioimaging. Chemical Research in Toxicology, 2014, 27, 1050-1059.	3.3	77
2973	The Role of Ligand Density and Size in Mediating Quantum Dot Nuclear Transport. Small, 2014, 10, 4182-4192.	10.0	35

#	Article	IF	CITATIONS
2974	A non-covalent complex of quantum dots and chlorin e ₆ : efficient energy transfer and remarkable stability in living cells revealed by FLIM. RSC Advances, 2014, 4, 52270-52278.	3.6	21
2975	Comparative Study of Room-Temperature Ferromagnetism in Undoped and Mn-Doped CdSe Quantum Dots. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	0
2976	Review: three synthesis methods of CdX ($X = Se$, S or Te) quantum dots. IET Nanobiotechnology, 2014, 8, 59-76.	3.8	78
2977	Computational design of <i>in vivo </i> biomarkers. Journal of Physics Condensed Matter, 2014, 26, 143202.	1.8	13
2978	Bright and Stable CdSe/CdS@SiO ₂ Nanoparticles Suitable for Long-Term Cell Labeling. ACS Applied Materials & Diterraces, 2014, 6, 11714-11723.	8.0	67
2979	High-bright fluorescent carbon dots and their application in selective nucleoli staining. Journal of Materials Chemistry B, 2014, 2, 5077.	5.8	45
2980	Genotoxic effects of CdS quantum dots and Ag2S nanoparticles in fish cell lines (RTG-2). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 775-776, 89-93.	1.7	33
2981	Protein–Conjugated Quantum Dots Interface: Binding Kinetics and Label-Free Lipid Detection. Analytical Chemistry, 2014, 86, 1710-1718.	6.5	40
2982	Pluronic-Silica (PluS) Nanoparticles Doped with Multiple Dyes Featuring Complete Energy Transfer. Journal of Physical Chemistry C, 2014, 118, 9261-9267.	3.1	37
2983	Quantum Dots Encapsulated within Phospholipid Membranes: Phase-Dependent Structure, Photostability, and Site-Selective Functionalization. Journal of the American Chemical Society, 2014, 136, 1992-1999.	13.7	59
2984	Nanoparticle multivalency counterbalances the ligand affinity loss upon PEGylation. Journal of Controlled Release, 2014, 194, 20-27.	9.9	53
2985	Highly Efficient Lightâ€Emitting Diode of Graphene Quantum Dots Fabricated from Graphite Intercalation Compounds. Advanced Optical Materials, 2014, 2, 1016-1023.	7.3	229
2986	A switchable peptide sensor for real-time lysosomal tracking. Chemical Communications, 2014, 50, 6443-6446.	4.1	58
2987	Lectins. Methods in Molecular Biology, 2014, , .	0.9	7
2988	Regenerative Cell Imaging in Cardiac Repair. Canadian Journal of Cardiology, 2014, 30, 1323-1334.	1.7	4
2989	Efficient Color-Tunable Multiexcitonic Dual Wavelength Emission from Type II Semiconductor Tetrapods. ACS Nano, 2014, 8, 9349-9357.	14.6	22
2990	Electroaddressing of ZnS Quantum Dots by Codeposition with Chitosan to Construct Fluorescent and Patterned Device Surface. ACS Applied Materials & Electroaddress, 2014, 6, 15510-15515.	8.0	17
2991	CdS Quantum Dots Encapsulated in Chiral Nematic Mesoporous Silica: New Iridescent and Luminescent Materials. Advanced Functional Materials, 2014, 24, 777-783.	14.9	110

#	Article	IF	CITATIONS
2992	Nanoparticle Self-Assembly Assisted by Polymers: The Role of Shear Stress in the Nanoparticle Arrangement of Langmuir and Langmuir–Blodgett Films. Langmuir, 2014, 30, 509-516.	3.5	27
2993	A dual functional AEE fluorogen as a mitochondrial-specific bioprobe and an effective photosensitizer for photodynamic therapy. Chemical Communications, 2014, 50, 14451-14454.	4.1	79
2994	Role of Protonation State and Solvation on the pH Dependent Optical Properties of Bromocresol Green. Journal of Chemical Theory and Computation, 2014, 10, 3958-3968.	5. 3	3
2995	Electrochemical modelling of QD-phospholipid interactions. Journal of Colloid and Interface Science, 2014, 420, 9-14.	9.4	3
2996	Ultra-small fluorescent inorganic nanoparticles for bioimaging. Journal of Materials Chemistry B, 2014, 2, 2793-2818.	5.8	104
2997	Protonâ€Functionalized Twoâ€Dimensional Graphitic Carbon Nitride Nanosheet: An Excellent Metalâ€∕Labelâ€Free Biosensing Platform. Small, 2014, 10, 2382-2389.	10.0	441
2998	Photomodulated Fluorescence of Supramolecular Assemblies of Sulfonatocalixarenes and Tetraphenylethene. ACS Nano, 2014, 8, 1609-1618.	14.6	128
2999	Nanoparticle imaging and diagnostic of Caenorhabditis elegans intracellular pH. Analytical Biochemistry, 2014, 450, 52-56.	2.4	11
3000	Synthesis and characterization of functionalized dithiocarbamates: New single-source precursors for CdS. Superlattices and Microstructures, 2014, 65, 227-239.	3.1	10
3001	Quantum dots and p-phenylenediamine based method for the sensitive determination of glucose. Talanta, 2014, 129, 20-25.	5 . 5	13
3002	Roles of Biomolecules in the Biosynthesis of Silver Nanoparticles: Case of Gardenia jasminoides Extract. Chinese Journal of Chemical Engineering, 2014, 22, 706-712.	3 . 5	25
3003	Size tuning of MAA capped CdSe and CdSe/CdS quantum dots and their stability in different pH environments. Materials Chemistry and Physics, 2014, 143, 514-523.	4.0	40
3004	One-pot synthesis of multicolor MnSe:ZnSe nanocrystals for optical coding. Journal of Colloid and Interface Science, 2014, 415, 7-12.	9.4	14
3005	Acridine orange coated magnetic nanoparticles for nucleus labeling and DNA adsorption. Colloids and Surfaces B: Biointerfaces, 2014, 115, 150-156.	5.0	23
3006	In vitro characterization of fluorescence by unbound excitation from luminescence: Broadening the scope of energy transfer. Methods, 2014, 66, 353-361.	3.8	5
3007	Exciton Coupling of Surface Complexes on a Nanocrystal Surface. ChemPhysChem, 2014, 15, 2536-2541.	2.1	4
3008	Antibody Quantum Dot Conjugates Developed via Copper-Free Click Chemistry for Rapid Analysis of Biological Samples Using a Microfluidic Microsphere Array System. Bioconjugate Chemistry, 2014, 25, 1272-1281.	3.6	55
3009	Robust Aqueous Quantum Dots Capped with Peptide Ligands as Biomaterials: Facile Preparation, Good Stability, and Multipurpose Application. Particle and Particle Systems Characterization, 2014, 31, 382-389.	2.3	7

#	Article	IF	CITATIONS
3010	<i>Sense and Shoot</i> : Simultaneous Detection and Degradation of Low-Level Contaminants Using Graphene-Based Smart Material Assembly. ACS Nano, 2014, 8, 7272-7278.	14.6	36
3011	Chemical Basis of Interactions Between Engineered Nanoparticles and Biological Systems. Chemical Reviews, 2014, 114, 7740-7781.	47.7	478
3012	Magnitude of the Förster Radius in Colloidal Quantum Dot Solids. Journal of Physical Chemistry C, 2014, 118, 13920-13928.	3.1	67
3013	Luminescent hydrogels based on di(4-propoxyphenyl)-dibenzofulvene exhibiting four emission colours and organic solvents/thermal dual-responsive properties. Journal of Materials Chemistry C, 2014, 2, 5829-5835.	5.5	23
3014	Exploiting Intrinsic Nanoparticle Toxicity: The Pros and Cons of Nanoparticle-Induced Autophagy in Biomedical Research. Chemical Reviews, 2014, 114, 7581-7609.	47.7	222
3015	Deconstructing the photon stream from single nanocrystals: from binning to correlation. Chemical Society Reviews, 2014, 43, 1287-1310.	38.1	73
3016	Hepatocyte targeting using pegylated asialofetuin-conjugated liposomes. Journal of Drug Targeting, 2014, 22, 232-241.	4.4	23
3017	Upconversion Nanoparticles: Design, Nanochemistry, and Applications in Theranostics. Chemical Reviews, 2014, 114, 5161-5214.	47.7	2,163
3018	One-pot aqueous phase synthesis of peptide–CdTe quantum dots. RSC Advances, 2014, 4, 20044-20047.	3.6	1
3021	Collective fluorescence switching of counterion-assembled dyes in polymer nanoparticles. Nature Communications, 2014, 5, 4089.	12.8	161
3022	Enhancement of near-infrared to near-infrared upconversion emission in the CeO_2: Er^3+, Tm^3+, Yb^3+ inverse opals. Optics Letters, 2014, 39, 918.	3.3	10
3023	Synthesis of CdSe/ZnSe quantum dots passivated with a polymer for oxidation prevention. Surface and Coatings Technology, 2014, 259, 83-86.	4.8	19
3024	Hydrolytic enzymes conjugated to quantum dots mostly retain whole catalytic activity. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2935-2943.	2.4	12
3025	Multifunctional semiconducting polymer dots for imaging, detection, and photo-killing of bacteria. Journal of Materials Chemistry B, 2014, 2, 4818-4825.	5.8	37
3026	Preparation of core-shell NaGdF4 nanoparticles doped with luminescent lanthanide ions to be used as upconversion-based probes. Nature Protocols, 2014, 9, 1634-1644.	12.0	501
3027	Examination of Nanoparticle–DNA Binding Characteristics Using Single-Molecule Imaging Atomic Force Microscopy. Journal of Physical Chemistry C, 2014, 118, 13876-13882.	3.1	6
3028	Novel multiplex fluorescent immunoassays based on quantum dot nanolabels for mycotoxins determination. Biosensors and Bioelectronics, 2014, 62, 59-65.	10.1	115
3029	The performance of gradient alloy quantum dots in cell labeling. Biomaterials, 2014, 35, 7249-7258.	11.4	22

#	Article	IF	CITATIONS
3030	Advances in live-cell single-particle tracking and dynamic super-resolution imaging. Current Opinion in Chemical Biology, 2014, 20, 78-85.	6.1	81
3031	Visualizing the endocytosis of phenylephrine in living cells by quantum dot-based tracking. Biomaterials, 2014, 35, 7042-7049.	11.4	10
3032	Micro patterned quantum dots excitation and imaging for cellular microarray screening. Sensors and Actuators A: Physical, 2014, 216, 301-307.	4.1	11
3033	Cyclic GMP recognition using ratiometric QD-fluorophore conjugate nanosensors. Biosensors and Bioelectronics, 2014, 52, 288-292.	10.1	10
3034	Biofabrication of ZnS:Mn luminescent nanocrystals using histidine, hexahistidine, and His-tagged proteins: A comparison study. Biochemical Engineering Journal, 2014, 89, 28-32.	3.6	8
3035	Luminance behavior of Ce3+ doped ZnS nanostructures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 557-563.	3.9	27
3036	A novel phosphorescence sensor for Co ²⁺ ion based on Mnâ€doped ZnS quantum dots. Luminescence, 2014, 29, 151-157.	2.9	41
3037	Excitonics of semiconductor quantum dots and wires for lighting and displays. Laser and Photonics Reviews, 2014, 8, 73-93.	8.7	67
3038	Nanoparticle-facilitated functional and molecular imaging for the early detection of cancer. Frontiers in Molecular Biosciences, 2014, 1, 15.	3.5	26
3039	Nanomedicines for cancer therapy: state-of-the-art and limitations to pre-clinical studies that hinder future developments. Frontiers in Chemistry, 2014, 2, 69.	3.6	116
3040	Nanosensors for Single-Cell Analyses. , 2014, , 575-616.		0
3041	Nanosensors for Biomedicine. Frontiers in Nanobiomedical Research, 2014, , 413-451.	0.1	O
3042	Multifunctional Nanoparticles of Biodegradable Copolymer Blend for Cancer Diagnosis and Treatment., 2014,, 521-522.		0
3043	Preparation of Quantum Dot-Polymer Complexes for Reduction of the Environmental Load and Application in Bio-Sensing. Kobunshi Ronbunshu, 2014, 71, 387-399.	0.2	1
3044	CdTeâ€Based QDs: Preparation, Cytotoxicity, and Tumor Cell Death by Targeting Transferrin Receptor. Particle and Particle Systems Characterization, 2014, 31, 126-133.	2.3	5
3045	Stimuliâ€triggered phase transfer of polymerâ€inorganic hybrid hairy particles between two immiscible liquid phases. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1600-1619.	2.1	14
3046	DNAâ€Programmed Dynamic Assembly of Quantum Dots for Molecular Computation. Angewandte Chemie - International Edition, 2014, 53, 14447-14450.	13.8	61
3048	Applications of Detonation Nanodiamonds. , 2014, , 253-280.		1

#	Article	IF	CITATIONS
3050	Red emissive AIE nanodots with high two-photon absorption efficiency at 1040 nm for deep-tissue in vivo imaging. Biomedical Optics Express, 2015, 6, 3783.	2.9	59
3051	Resonant-enhanced full-color emission of quantum-dot-based micro LED display technology. Optics Express, 2015, 23, 32504.	3.4	246
3052	Core-Shell Nanoparticles Driven by Surface Energy Differences in the Co-Ag, W-Fe, and Mo-Co Systems. Particle and Particle Systems Characterization, 2015, 32, 848-853.	2.3	25
3053	Nonlinear optical microscopy: Endogenous signals and exogenous probes. Annalen Der Physik, 2015, 527, 471-489.	2.4	12
3055	Sensing of Intracellular Environments by Fluorescence Lifetime Imaging of Exogenous Fluorophores. Analytical Sciences, 2015, 31, 275-285.	1.6	21
3056	<i>ln vivo</i> Imaging of Transplanted Stem Cells Using Quantum Dots. Bunseki Kagaku, 2015, 64, 89-97.	0.2	1
3057	Cathodoluminescence and electron microscopy of red quantum dots used for display applications. Journal of the Society for Information Display, 2015, 23, 50-55.	2.1	10
3059	$F ilde{A}^q$ rster energy transfer of dark excitons enhanced by a magnetic field in an ensemble of CdTe colloidal nanocrystals. Physical Review B, 2015, 92, .	3.2	16
3060	Fluorescence-Guided Probes of Aptamer-Targeted Gold Nanoparticles with Computed Tomography Imaging Accesses for in Vivo Tumor Resection. Scientific Reports, 2015, 5, 15675.	3.3	73
3061	Cell Nucleus-Targeting Zwitterionic Carbon Dots. Scientific Reports, 2015, 5, 18807.	3.3	109
3062	Antiproliferative Activity of Silver Nanoplates on Human Promyelocytic Leukemia Cell Lines. Chemistry Letters, 2015, 44, 327-329.	1.3	7
3064	Effect of quantum dots on the biological behavior of the EJ human bladder urothelial carcinoma cell line. Molecular Medicine Reports, 2015, 12, 6157-6163.	2.4	3
3065	Size controlled near-infrared high-quality PbSe quantum dots. AIP Conference Proceedings, 2015, , .	0.4	1
3066	Controlled synthesis and optical properties of tunable CdSe quantum dots and effect of pH. AIP Advances, 2015, 5, .	1.3	29
3068	Shape Dependent Structural Stability, Electronic and Optical Properties of CdO Nanowire., 2015,,.		1
3069	In Vitro evaluation and monitoring of the expression level and localization of aldose reductase using functionalized quantum dots and EGFP. Biotechnology and Bioprocess Engineering, 2015, 20, 800-806.	2.6	1
3070	Control of photoluminescence in Ca _{3-3<i>x</i> /7} Y _{2<i>x</i> /7} (PO ₄) ₂ :Eu ²⁺ phosphors by migration of the dopant. Physica Status Solidi - Rapid Research Letters, 2015, 9, 485-488.	2.4	3
3071	Susceptibility to quantum dot induced lung inflammation differs widely among the Collaborative Cross founder mouse strains. Toxicology and Applied Pharmacology, 2015, 289, 240-250.	2.8	33

#	Article	IF	Citations
3072	Doping Group IIB Metal Ions into Quantum Dot Shells via the Oneâ€Pot Decomposition of Metalâ€Dithiocarbamates. Advanced Optical Materials, 2015, 3, 704-712.	7.3	19
3073	Nanostructured gallium nitride powder functionalized with a fluorophore terminated peptide. Materials Research Express, 2015, 2, 095018.	1.6	1
3074	Onâ€theâ€Spot Immobilization of Quantum Dots, Graphene Oxide, and Proteins via Hydrophobins. Advanced Functional Materials, 2015, 25, 6084-6092.	14.9	28
3075	Cytocompatible Fluorescent Quantum Dot/PEG-Chitosan Bioconjugates for Nanomedicine Applications. European Journal of Inorganic Chemistry, 2015, 2015, 4555-4564.	2.0	5
3076	Quantification of nanomaterial bioconjugation based on electrophoretic mobility shift. Electrophoresis, 2015, 36, 1084-1085.	2.4	2
3077	Rapid and Quantitative Detection of Avian Influenza A(H7N9) Virions in Complex Matrices Based on Combined Magnetic Capture and Quantum Dot Labeling. Small, 2015, 11, 5280-5288.	10.0	32
3079	An engineered coiled-coil polypeptide assembled onto quantum dots for targeted cell imaging. Nanotechnology, 2015, 26, 495102.	2.6	5
3081	A facile method for the preparation of bifunctional Mn:ZnS/ZnS/Fe ₃ O ₄ magnetic and fluorescent nanocrystals. Beilstein Journal of Nanotechnology, 2015, 6, 1743-1751.	2.8	12
3082	Blood group antigen studies using CdTe quantum dots and flow cytometry. International Journal of Nanomedicine, 2015, 10, 4393.	6.7	14
3083	QD-Based FRET Probes at a Glance. Sensors, 2015, 15, 13028-13051.	3.8	52
3084	Nanomaterials for Advancing the Health Immunosensor. , 0, , .		4
3085	An imidazole functionalized pentameric thiophene displays different staining patterns in normal and malignant cells. Frontiers in Chemistry, 2015, 3, 58.	3.6	9
3086	Photoluminescent ZnO Nanoparticles and Their Biological Applications. Materials, 2015, 8, 3101-3127.	2.9	169
3087	Förster Resonance Energy Transfer between Quantum Dot Donors and Quantum Dot Acceptors. Sensors, 2015, 15, 13288-13325.	3.8	221
3088	Biosensing with Förster Resonance Energy Transfer Coupling between Fluorophores and Nanocarbon Allotropes. Sensors, 2015, 15, 14766-14787.	3.8	29
3089	Fluorescence-Based Bioassays for the Detection and Evaluation of Food Materials. Sensors, 2015, 15, 25831-25867.	3.8	76
3090	Role of surface charge in determining the biological effects of CdSe/ZnS quantum dots. International Journal of Nanomedicine, 2015, 10, 7073.	6.7	33
3091	Rapid and quantitative detection of C-reactive protein based on quantum dots and immunofiltration assay. International Journal of Nanomedicine, 2015, 10, 6161.	6.7	29

#	ARTICLE	IF	CITATIONS
3092	Improvement in Tracing Quantum Dot-Conjugated Nanospheres for <i>In Vivo </i> Imaging by Eliminating Food Autofluorescence. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	1
3093	Zinc Oxide Nanoparticles and Photodynamic Therapy for the Treatment of B-chronic Lymphocytic Leukemia. , 0, , .		2
3094	Fluorescent and bioluminescent nanoprobes for in vitro and in vivo detection of matrix metalloproteinase activity. BMB Reports, 2015, 48, 313-318.	2.4	23
3095	Smart Biodecorated Hybrid Nanoparticles. Current Bionanotechnology, 2015, 1, 60-78.	0.6	1
3096	Laser-assisted photothermal heating of a plasmonic nanoparticle-suspended droplet in a microchannel. Analyst, The, 2015, 140, 1535-1542.	3.5	14
3097	Delivery of SiC-based nanoparticles into live cells driven by cell-penetrating peptides SAP and SAP-E. RSC Advances, 2015, 5, 20498-20502.	3.6	5
3098	A two-dimensional molecular beacon for mRNA-activated intelligent cancer theranostics. Chemical Science, 2015, 6, 3839-3844.	7.4	35
3099	Stimuli-responsive nanogel composites and their application in nanomedicine. Chemical Society Reviews, 2015, 44, 6161-6186.	38.1	449
3100	An experimental and theoretical mechanistic study of biexciton quantum yield enhancement in single quantum dots near gold nanoparticles. Nanoscale, 2015, 7, 6851-6858.	5.6	33
3101	The interaction of QDs with RAW264.7 cells: nanoparticle quantification, uptake kinetics and immune responses study. RSC Advances, 2015, 5, 42250-42258.	3.6	5
3102	Lattice-Strain-Induced Slow Electron Cooling Due to Quasi-Type-II Behavior in Type-I CdTe/ZnS Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 8410-8416.	3.1	36
3103	Biological Applications of Supramolecular Assemblies Designed for Excitation Energy Transfer. Chemical Reviews, 2015, 115, 7502-7542.	47.7	413
3104	Squaraine-Based Polymer Dots with Narrow, Bright Near-Infrared Fluorescence for Biological Applications. Journal of the American Chemical Society, 2015, 137, 173-178.	13.7	145
3105	Fluorescence of quantum dots on e-beam patterned and DNA origami substrates. Proceedings of SPIE, 2015, , .	0.8	0
3106	Quantum-dot biosensor for hybridization and detection of R3500Q mutation of apolipoprotein B-100 gene. Biosensors and Bioelectronics, 2015, 72, 362-369.	10.1	10
3107	Increasing the activity of immobilized enzymes with nanoparticle conjugation. Current Opinion in Biotechnology, 2015, 34, 242-250.	6.6	228
3108	Highly luminescent, off-stoichiometric Cu _x In _y S ₂ /ZnS quantum dots for near-infrared fluorescence bio-imaging. RSC Advances, 2015, 5, 43449-43455.	3.6	33
3109	Mediator-free biosensor using chitosan capped CdS quantum dots for detection of total cholesterol. RSC Advances, 2015, 5, 45928-45934.	3.6	27

#	Article	IF	CITATIONS
3110	Fast, Efficient, and Stable Conjugation of Multiple DNA Strands on Colloidal Quantum Dots. Bioconjugate Chemistry, 2015, 26, 1582-1589.	3.6	42
3111	Group Ill–V and Il–VI Quantum Dots and Nanoparticles. Springer Series in Optical Sciences, 2015, , 247-268.	0.7	1
3112	Wide-Range Correlated Color Temperature Light Generation From Resonant Cavity Hybrid Quantum Dot Light-Emitting Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 23-29.	2.9	15
3113	Quantum Dots in an Amphiphilic Polyethyleneimine Derivative Platform for Cellular Labeling, Targeting, Gene Delivery, and Ratiometric Oxygen Sensing. ACS Nano, 2015, 9, 6511-6521.	14.6	67
3114	Real-time, non-invasive monitoring of hydrogel degradation using LiYF ₄ :Yb ³⁺ /Tm ³⁺ NIR-to-NIR upconverting nanoparticles. Nanoscale, 2015, 7, 11255-11262.	5.6	59
3115	Size-dependent surface photovoltage in CdSe nanocrystal-based thin films. RSC Advances, 2015, 5, 39714-39718.	3.6	4
3116	Nanodiamonds and silicon quantum dots: ultrastable and biocompatible luminescent nanoprobes for long-term bioimaging. Chemical Society Reviews, 2015, 44, 4853-4921.	38.1	231
3117	Calcium phosphate nanocapsule crowned multiwalled carbon nanotubes for pH triggered intracellular anticancer drug release. Journal of Materials Chemistry B, 2015, 3, 3931-3939.	5.8	20
3118	SDS-PAGE as a Tool for Hydrodynamic Diameter-Dependent Separation of Quantum Dots. Chromatographia, 2015, 78, 785-793.	1.3	10
3119	Synthesis and photophysical properties of nanocomposites of aluminum tetrasulfonated phthalocyanine covalently linked to glutathione capped CdTe/CdS/ZnS quantum dots. Synthetic Metals, 2015, 205, 212-221.	3.9	15
3120	Organic–Inorganic Composites of Semiconductor Nanocrystals for Efficient Excitonics. Journal of Physical Chemistry Letters, 2015, 6, 2206-2215.	4.6	34
3121	Thermodynamically feasible photoelectron transfer from bioactive π-expanded imidazole luminophores to ZnO nanocrystals. New Journal of Chemistry, 2015, 39, 1800-1813.	2.8	3
3122	Quantum dot assisted tracking of the intracellular protein Cyclin E in Xenopus laevis embryos. Journal of Nanobiotechnology, 2015, 13, 31.	9.1	6
3123	A step towards mobile arsenic measurement for surface waters. Analyst, The, 2015, 140, 2644-2655.	3.5	23
3124	Aptamers-Guided DNA Nanomedicine for Cancer Theranostics. , 2015, , 111-137.		0
3125	Metal Nanoclusters: Applications in Environmental Monitoring and Cancer Therapy. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2015, 33, 168-187.	2.9	35
3126	Study of emissivity dependence upon concentration in CdTe quantum dots. Proceedings of SPIE, 2015, , .	0.8	1
3127	Plasmonic effect on photon antibunching and blinking behavior of single quantum dots near gold nanoparticles. , 2015, , .		0

#	Article	IF	CITATIONS
3128	Energy Transfer Pathways in a Quantum Dot-Based Concentric FRET Configuration. Journal of Physical Chemistry C, 2015, 119, 26183-26195.	3.1	28
3129	Bioorthogonal fluorescent labels: a review on combined forces. Methods and Applications in Fluorescence, 2015, 3, 042001.	2.3	50
3130	MPA-capped CdTe quantum dots exposure causes neurotoxic effects in nematode Caenorhabditis elegans by affecting the transporters and receptors of glutamate, serotonin and dopamine at the genetic level, or by increasing ROS, or both. Nanoscale, 2015, 7, 20460-20473.	5.6	57
3131	Crucial role of intestinal barrier in the formation of transgenerational toxicity in quantum dot exposed nematodes Caenorhabditis elegans. RSC Advances, 2015, 5, 94257-94266.	3.6	40
3132	Self-illuminating quantum dots for non-invasive bioluminescence imaging of mammalian gametes. Journal of Nanobiotechnology, 2015, 13, 38.	9.1	40
3133	Aptamers Selected by Cell-SELEX for Molecular Imaging. Journal of Molecular Evolution, 2015, 81, 162-171.	1.8	17
3134	A fluorescence nanosensor for lipase activity: enzyme-regulated quantum dots growth in situ. RSC Advances, 2015, 5, 73051-73057.	3.6	5
3135	Ultrafast Photoinduced Electron Transfer between Carbon Nanoparticles and Cyclometalated Rhodium and Iridium Complexes. Journal of Physical Chemistry C, 2015, 119, 25122-25128.	3.1	20
3136	A multifunctional magneto-fluorescent nanocomposite for visual recognition of targeted cancer cells. Materials Research Express, 2015, 2, 115401.	1.6	7
3137	Nanoparticle Loaded Polymeric Microbubbles as Contrast Agents for Multimodal Imaging. Langmuir, 2015, 31, 11858-11867.	3.5	37
3138	From Binary Cu ₂ S to Ternary Cu–In–S and Quaternary Cu–In–Zn–S Nanocrystals with Tunable Composition <i>via</i>) Partial Cation Exchange. ACS Nano, 2015, 9, 521-531.	14.6	173
3139	Highâ€resolution quantification by chargeâ€dominant electrophoretic mobility shift of quantum dots. Electrophoresis, 2015, 36, 1011-1015.	2.4	2
3140	FRET from core and core–shell quantum dots to laser dye: A comparative investigation. Journal of Luminescence, 2015, 160, 216-222.	3.1	13
3141	Highly fluorescent CdTe quantum dots with reduced cytotoxicity-A Robust biomarker. Sensing and Bio-Sensing Research, 2015, 3, 46-52.	4.2	36
3142	Molecularly imprinted polymer based on MWCNT-QDs as fluorescent biomimetic sensor for specific recognition of target protein. Materials Science and Engineering C, 2015, 48, 469-479.	7.3	46
3143	Unprecedentedly High Tissue Penetration Capability of Coâ€Assembled Nanosystems for Twoâ€Photon Fluorescence Imaging In Vivo. Advanced Optical Materials, 2015, 3, 646-651.	7.3	26
3144	Upconversion Luminescence of Lanthanide Ion-Doped Nanocrystals. Nanostructure Science and Technology, 2015, , 73-119.	0.1	4
3145	Nanotubular J-Aggregates and Quantum Dots Coupled for Efficient Resonance Excitation Energy Transfer. ACS Nano, 2015, 9, 1552-1560.	14.6	41

#	Article	IF	CITATIONS
3146	Novel Two-Step Approach for the Synthesis of Cadmium Selenide/Zinc Sulfide Core/Shell Nanocomposites with Precursor Injection Technique. Spectroscopy Letters, 2015, 48, 213-216.	1.0	2
3147	Growth of PbS nanoclusters on specific sites of programmed oligodeoxynucleotides. Chinese Physics B, 2015, 24, 016101.	1.4	0
3148	Effect of two-step reduction on ZrC size and dispersion. Journal of Alloys and Compounds, 2015, 633, 5-10.	5.5	7
3149	Photocurable Polymer Nanocomposites for Magnetic, Optical, and Biological Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 324-335.	2.9	12
3150	Highâ€Performance Shortwaveâ€Infrared Lightâ€Emitting Devices Using Core–Shell (PbS–CdS) Colloidal Quantum Dots. Advanced Materials, 2015, 27, 1437-1442.	21.0	167
3151	Quantum dots encapsulated glycopolymer vesicles: Synthesis, lectin recognition and photoluminescent properties. Colloids and Surfaces B: Biointerfaces, 2015, 127, 130-136.	5.0	12
3152	Study on nanocomposite construction based on the multi-functional biotemplate self-assembled by the recombinant TMGMV coat protein for potential biomedical applications. Journal of Materials Science: Materials in Medicine, 2015, 26, 97.	3.6	2
3153	A series of flexible design adaptations to the Nikon Eâ \in C1 and Eâ \in C2 confocal microscope systems for UV, multiphoton and FLIM imaging. Journal of Microscopy, 2015, 258, 68-78.	1.8	23
3154	A minimized designer protein for facile biofabrication of ZnS:Mn immuno-quantum dots. Chemical Communications, 2015, 51, 3515-3517.	4.1	10
3155	Synthesis of electrocrystallized cobalt ferrite nanopowders by tuning the cobalt salt concentration. RSC Advances, 2015, 5, 14796-14803.	3.6	23
3156	Determination of arsenic(<scp>iii</scp>) based on the fluorescence resonance energy transfer between CdTe QDs and Rhodamine 6G. RSC Advances, 2015, 5, 17519-17525.	3.6	34
3157	Toxicology Considerations in Nanomedicine. , 2015, , 239-261.		1
3158	One-step synthesized immunostimulatory oligonucleotides-functionalized quantum dots for simultaneous enhanced immunogenicity and cell imaging. Colloids and Surfaces B: Biointerfaces, 2015, 126, 585-589.	5.0	13
3159	GaN-Based White LEDs With CIS/ZnS Quantum Dots Synthesized Using Polyetheramine as Solvent. IEEE Journal of Quantum Electronics, 2015, 51, 1-6.	1.9	1
3160	Validation of a dendron concept to tune colloidal stability, MRI relaxivity and bioelimination of functional nanoparticles. Journal of Materials Chemistry B, 2015, 3, 1484-1494.	5.8	28
3161	Utilizing Sn Precursor To Promote the Nucleation of PbSe Quantum Dots with in Situ Halide Passivation. Journal of Physical Chemistry C, 2015, 119, 5626-5632.	3.1	13
3162	Delivery and Tracking of Quantum Dot Peptide Bioconjugates in an Intact Developing Avian Brain. ACS Chemical Neuroscience, 2015, 6, 494-504.	3.5	67
3163	Growth and Origami Folding of DNA on Nanoparticles for Highâ€Efficiency Molecular Transport in Cellular Imaging and Drug Delivery. Angewandte Chemie, 2015, 127, 2461-2465.	2.0	25

#	Article	IF	CITATIONS
3164	Double Channel Emission from a Redox Active Single Component Quantum Dot Complex. Langmuir, 2015, 31, 551-561.	3.5	21
3165	Determining the fate of fluorescent quantum dots on surface of engineered budding S. cerevisiae cell molecular landscape. Biosensors and Bioelectronics, 2015, 69, 26-33.	10.1	3
3166	Fluorescent Nanosensors via Photoinduced Polymerization of Hydrophobic Inorganic Quantum Dots for the Sensitive and Selective Detection of Nitroaromatics. Analytical Chemistry, 2015, 87, 2383-2388.	6.5	57
3167	Plasmon-enhanced photoluminescence of carbon dots–silica hybrid mesoporous spheres. Journal of Materials Chemistry C, 2015, 3, 2881-2885.	5. 5	35
3168	Supramolecular nanostructures based on bacterial reaction center proteins and quantum dots. Advances in Colloid and Interface Science, 2015, 218, 34-47.	14.7	11
3169	Interface-spawned NiSe quantum dots: preparation, photoluminescence properties and applications. Journal of Materials Chemistry C, 2015, 3, 473-478.	5 . 5	14
3170	Synthesis of Smallâ€Sized, Porous, and Lowâ€Toxic Magnetite Nanoparticles by Thin POSS Silica Coating. Chemistry - A European Journal, 2015, 21, 3914-3918.	3.3	13
3171	A Touch-Communication Framework for Drug Delivery Based on a Transient Microbot System. IEEE Transactions on Nanobioscience, 2015, 14, 397-408.	3.3	51
3172	Stability and Catalytic Activity of PEG- <i>b</i> -PS-Capped Gold Nanoparticles: A Matter of PS Chain Length. Journal of Physical Chemistry C, 2015, 119, 1960-1970.	3.1	60
3173	UV and Sunlight Driven Photoligation of Quantum Dots: Understanding the Photochemical Transformation of the Ligands. Journal of the American Chemical Society, 2015, 137, 2704-2714.	13.7	45
3174	Time-resolved luminescent biosensing based on inorganic lanthanide-doped nanoprobes. Chemical Communications, 2015, 51, 4129-4143.	4.1	85
3175	Shape-Controlled CdS/ZnS Core/Shell Heterostructured Nanocrystals: Synthesis, Characterization, and Periodic DFT Calculations. Crystal Growth and Design, 2015, 15, 1344-1350.	3.0	7
3176	A turn-on coordination nanoparticle-based fluorescent probe for phosphate in human serum. Nanoscale, 2015, 7, 4971-4977.	5.6	24
3177	Identification of Polyethylene Glycol-Resistant Macrophages on Stealth Imaging <i>in Vitro</i> Using Fluorescent Organosilica Nanoparticles. ACS Nano, 2015, 9, 1058-1071.	14.6	33
3178	Quantum dots for quantitative imaging: from single molecules to tissue. Cell and Tissue Research, 2015, 360, 71-86.	2.9	90
3179	SERS Encoded Silver Pyramids for Attomolar Detection of Multiplexed Disease Biomarkers. Advanced Materials, 2015, 27, 1706-1711.	21.0	276
3180	Tuning Pharmacokinetics and Biodistribution of a Targeted Drug Delivery System Through Incorporation of a Passive Targeting Component. Scientific Reports, 2014, 4, 5669.	3.3	41
3181	Preparation and characterization of optically transparent and photoluminescent electrospun nanofiber composed of carbon quantum dots and polyacrylonitrile blend with polyacrylic acid. Polymer, 2015, 59, 35-41.	3.8	44

#	Article	IF	CITATIONS
3182	Synthesis and Characterization of Water-Soluble Polythiophene Derivatives for Cell Imaging. Scientific Reports, 2015, 5, 7617.	3.3	34
3183	Noble metal-based composite nanomaterials fabricated via solution-based approaches. Journal of Materials Chemistry A, 2015, 3, 3182-3223.	10.3	95
3184	A novel electrochemiluminescent immunosensor based on CdS-coated ZnO nanorod arrays for HepG2 cell detection. Nanoscale, 2015, 7, 3627-3633.	5.6	50
3185	Growth and Origami Folding of DNA on Nanoparticles for Highâ€Efficiency Molecular Transport in Cellular Imaging and Drug Delivery. Angewandte Chemie - International Edition, 2015, 54, 2431-2435.	13.8	108
3186	Tunable Ultrasmall Visible-to-Extended Near-Infrared Emitting Silver Sulfide Quantum Dots for Integrin-Targeted Cancer Imaging. ACS Nano, 2015, 9, 220-230.	14.6	187
3187	Galactose Targeted pH-Responsive Copolymer Conjugated with Near Infrared Fluorescence Probe for Imaging of Intelligent Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2015, 7, 2104-2115.	8.0	70
3188	Quantum dots exposure alters both development and function of D-type GABAergic motor neurons in nematode Caenorhabditis elegans. Toxicology Research, 2015, 4, 399-408.	2.1	45
3189	Photoluminescenceâ€Tunable Carbon Nanodots: Surfaceâ€State Energyâ€Gap Tuning. Advanced Materials, 2015, 27, 1663-1667.	21.0	658
3190	Laser-assisted synthesis of multi-colored protein dots and their biological distribution in experimental mice using a dye tracking method. RSC Advances, 2015, 5, 4051-4057.	3.6	2
3191	Graphene-Based Carbon Nanoparticles for Bioimaging Applications. , 2015, , 57-84.		2
3192	Fluorescence Retrieval of CdSe Quantum Dots by Selfâ€Assembly of Supramolecular Aggregates of Reverse Micelles. Small, 2015, 11, 2619-2623.	10.0	3
3193	Encapsulation of Au Nanoparticles by Poly(4-Vinylpyridine) for Controlled Chain Assembly. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 153-158.	3.7	7
3194	Rapid and sensitive detection of clenbuterol using a fluorescence nanosensor based on diazo coupling mechanism. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2015, 6, 025007.	1.5	3
3195	Design, Synthesis, and Characterization of Graphene–Nanoparticle Hybrid Materials for Bioapplications. Chemical Reviews, 2015, 115, 2483-2531.	47.7	603
3196	Inorganic lanthanide nanoprobes for background-free luminescent bioassays. Science China Materials, 2015, 58, 156-177.	6.3	50
3197	Selective chemical vaporization of exogenous tellurium for characterizing the time-dependent biodistribution and dissolution of quantum dots in living rats. Journal of Analytical Atomic Spectrometry, 2015, 30, 426-434.	3.0	6
3198	Quantum Dot Surface Chemistry and Functionalization for Cell Targeting and Imaging. Bioconjugate Chemistry, 2015, 26, 609-624.	3.6	195
3199	Pdots, a new type of nanoparticle, bind to mTHPC via their lipid modified surface and exhibit very high FRET efficiency between the core and the sensitizer. Physical Chemistry Chemical Physics, 2015, 17, 11412-11422.	2.8	13

#	Article	IF	CITATIONS
3200	Recent progress in quantum dot based sensors. RSC Advances, 2015, 5, 26644-26653.	3.6	81
3202	Tough Photoluminescent Hydrogels Doped with Lanthanide. Macromolecular Rapid Communications, 2015, 36, 465-471.	3.9	66
3203	Aptamers Selected by Cell-SELEX for Theranostics. , 2015, , .		10
3204	Peptide-Conjugated Fluorescent Silicon Nanoparticles Enabling Simultaneous Tracking and Specific Destruction of Cancer Cells. Analytical Chemistry, 2015, 87, 6718-6723.	6.5	71
3205	Thiol-based non-injection synthesis of near-infrared Ag ₂ S/ZnS core/shell quantum dots. RSC Advances, 2015, 5, 56789-56793.	3.6	28
3206	Enhancing enzymatic efficiency by attachment to semiconductor nanoparticles for biosensor applications., 2015,,.		0
3207	Self-assemblies of amphiphilic homopolymers: synthesis, morphology studies and biomedical applications. Chemical Communications, 2015, 51, 11541-11555.	4.1	69
3208	Understanding the roles of metal sources and dodecanethiols in the formation of metal sulfide nanocrystals via a two-phase approach. CrystEngComm, 2015, 17, 6598-6606.	2.6	6
3209	Label-free carbon quantum dots as photoluminescence probes for ultrasensitive detection of glucose. RSC Advances, 2015, 5, 69042-69046.	3.6	13
3210	Charge trapping and de-trapping in isolated CdSe/ZnS nanocrystals under an external electric field: indirect evidence for a permanent dipole moment. Nanoscale, 2015, 7, 14897-14905.	5.6	15
3211	Designing gallium nitride slot waveguide operating within visible band. Optical and Quantum Electronics, 2015, 47, 3705-3713.	3.3	10
3212	Surface Complexation-Based Biocompatible Magnetofluorescent Nanoprobe for Targeted Cellular Imaging. ACS Applied Materials & Amp; Interfaces, 2015, 7, 17552-17557.	8.0	27
3213	Type-II CdS/ZnSe core/shell heterostructures: UV–vis absorption, photoluminescence and Raman scattering studies. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 200, 107-116.	3.5	14
3214	Quantum dot-imprinted polymers with size and shell-selective recognition properties. Chemical Communications, 2015, 51, 14933-14936.	4.1	11
3215	Photoreduction of natural redox proteins by CdTe quantum dots is size-tunable and conjugation-independent. RSC Advances, 2015, 5, 61973-61982.	3.6	11
3216	Synthesis and in vivo toxicity assessment of CdSe:ZnS quantum dots functionalized with EDTA-Bis-Cysteamine. Toxicology Research, 2015, 4, 1416-1425.	2.1	6
3217	Small GSH-Capped CulnS ₂ Quantum Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications. ACS Applied Materials & Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications. ACS Applied Materials & Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications.	8.0	91
3218	Optical properties of water-soluble l-cysteine-capped alloyed CdSeS quantum dot passivated with ZnSeTe and ZnSeTe/ZnS shells. Optical Materials, 2015, 46, 548-554.	3.6	18

#	Article	IF	CITATIONS
3219	Iron Oxide Based Nanoparticles for Multimodal Imaging and Magnetoresponsive Therapy. Chemical Reviews, 2015, 115, 10637-10689.	47.7	827
3220	Lighting up micromotors with quantum dots for smart chemical sensing. Chemical Communications, 2015, 51, 14088-14091.	4.1	97
3221	Deciphering the Role of the Length of the Corona in Controlled NSET within Triblock Copolymers. Journal of Physical Chemistry B, 2015, 119, 8457-8467.	2.6	11
3222	A recognition-before-labeling strategy for sensitive detection of lung cancer cells with a quantum dot–aptamer complex. Analyst, The, 2015, 140, 6100-6107.	3. 5	23
3223	Controlling the Microstructure of Reverse Micelles and Their Templating Effect on Shaping Nanostructures. Journal of Physical Chemistry B, 2015, 119, 11295-11306.	2.6	32
3224	Glucose oxidase-directed, instant synthesis of Mn-doped ZnS quantum dots in neutral media with retained enzymatic activity: mechanistic study and biosensing application. Journal of Materials Chemistry B, 2015, 3, 5942-5950.	5.8	24
3225	Fiber-Optic-Based Micro-Probe Using Hexagonal 1-in-6 Fiber Configuration for Intracellular Single-Cell pH Measurement. Analytical Chemistry, 2015, 87, 7171-7179.	6.5	29
3226	Stepwise Assembly and Characterization of DNA Linked Two-Color Quantum Dot Clusters. Langmuir, 2015, 31, 7463-7471.	3.5	13
3227	Delivery of size-controlled long-circulating polymersomes in solid tumours, visualized by quantum dots and optical imagingin vivo. Biotechnology and Biotechnological Equipment, 2015, 29, 175-180.	1.3	12
3228	Synthesis and phase transition of wurtzite Cu3ZnlnSnS6nanodisks. Nanoscale, 2015, 7, 13191-13195.	5.6	7
3229	The effect of quantum dot labeling on virus activity. Analytical Methods, 2015, 7, 3801-3805.	2.7	2
3230	Facile synthesis of fluorescent polyaniline microspheres and their use for the detection of mercury ions. New Journal of Chemistry, 2015, 39, 6261-6266.	2.8	16
3231	The synthesis and modification of CdTe/CdS core shell quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 506-509.	3.9	11
3232	Rapid Endolysosomal Escape and Controlled Intracellular Trafficking of Cell Surface Mimetic Quantum-Dots-Anchored Peptides and Glycopeptides. ACS Chemical Biology, 2015, 10, 2073-2086.	3.4	21
3233	The pH-dependent photoluminescence of colloidal CdSe/ZnS quantum dots with different organic coatings. Nanotechnology, 2015, 26, 255703.	2.6	25
3234	Fluorescent sensor for Cr(VI) based in functionalized silicon quantum dots with dendrimers. Talanta, 2015, 144, 862-867.	5.5	43
3235	A single quantum dot-based biosensor for DNA point mutation assay. Analyst, The, 2015, 140, 5936-5943.	3.5	12
3236	Are they in or out? The elusive interaction between Qtracker (sup) \hat{A}^{\otimes} (sup) 800 vascular labels and brain endothelial cells. Nanomedicine, 2015, 10, 3329-3342.	3.3	3

#	Article	IF	CITATIONS
3237	Multicolor Emitting Block Copolymer-Integrated Graphene Quantum Dots for Colorimetric, Simultaneous Sensing of Temperature, pH, and Metal Ions. Chemistry of Materials, 2015, 27, 5288-5294.	6.7	67
3238	Quantifying the density of surface capping ligands on semiconductor quantum dots. Proceedings of SPIE, 2015, , .	0.8	1
3239	Photoluminescent Lateral-Flow Immunoassay Revealed by Graphene Oxide: Highly Sensitive Paper-Based Pathogen Detection. Analytical Chemistry, 2015, 87, 8573-8577.	6.5	155
3240	Quantum dots in nanomedicine: recent trends, advances and unresolved issues. Biochemical and Biophysical Research Communications, 2015, 468, 419-427.	2.1	87
3241	Optical Nano Antennas: State of the Art, Scope and Challenges as a Biosensor Along with Human Exposure to Nano-Toxicology. Sensors, 2015, 15, 8787-8831.	3.8	26
3242	RNA and DNA Diagnostics. RNA Technologies, 2015, , .	0.3	5
3243	Photoluminescent carbon dots synthesized by microwave treatment for selective image of cancer cells. Journal of Colloid and Interface Science, 2015, 456, 1-6.	9.4	70
3244	Method To Determine Protein Concentration in the Protein–Nanoparticle Conjugates Aqueous Solution Using Circular Dichroism Spectroscopy. Analytical Chemistry, 2015, 87, 6455-6459.	6.5	88
3245	Formation of Monocrystalline 1D and 2D Architectures via Epitaxial Attachment: Bottom-Up Routes through Surfactant-Mediated Arrays of Oriented Nanocrystals. Langmuir, 2015, 31, 6197-6201.	3.5	20
3246	Ultrabright Luminescence from Gold Nanoclusters: Rigidifying the Au(I)–Thiolate Shell. Journal of the American Chemical Society, 2015, 137, 8244-8250.	13.7	467
3247	Fabrication and properties of a supramolecular hybrid hydrogel doped with CdTe quantum dots. RSC Advances, 2015, 5, 58746-58754.	3.6	19
3248	Nanopaper as an Optical Sensing Platform. ACS Nano, 2015, 9, 7296-7305.	14.6	204
3249	Kinetic and structural analyses for the formation of anatase nanocrystals in barium titanoborate glasses. Journal of Alloys and Compounds, 2015, 647, 1022-1027.	5.5	5
3250	Formation of poly(methyl methacrylate)-ZnO nanoparticle quantum dot composites by dispersion polymerization in supercritical CO2. Journal of Supercritical Fluids, 2015, 103, 83-89.	3.2	14
3251	Photoelectrochemical biosensors: New insights into promising photoelectrodes and signal amplification strategies. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 24, 43-63.	11.6	226
3252	Calixarene assembly with enhanced photocurrents using P(SNS-NH2)/CdS nanoparticle structure modified Au electrode systems. Physical Chemistry Chemical Physics, 2015, 17, 19911-19918.	2.8	7
3253	Tunable Luminescent Properties and Concentration-Dependent, Site-Preferable Distribution of Eu ²⁺ lons in Silicate Glass for White LEDs Applications. ACS Applied Materials & Amp; Interfaces, 2015, 7, 10044-10054.	8.0	197
3254	Sequence-dependent abnormal aggregation of human Tau fragment in an inducible cell model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1561-1573.	3.8	12

#	Article	IF	CITATIONS
3255	Probing stem cell behavior using nanoparticleâ€based approaches. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 759-778.	6.1	9
3256	Trastuzumab guided nanotheranostics: A lipid based multifunctional nanoformulation for targeted drug delivery and imaging in breast cancer therapy. Journal of Colloid and Interface Science, 2015, 451, 198-211.	9.4	47
3257	Chemical Synthesis and Assembly of Uniformly Sized Iron Oxide Nanoparticles for Medical Applications. Accounts of Chemical Research, 2015, 48, 1276-1285.	15.6	428
3258	Luminescent sensors based on quantum dot–molecule conjugates. Chemical Society Reviews, 2015, 44, 4275-4289.	38.1	192
3259	A novel synthesis method for manganese ferrite nanopowders: The effect of manganese salt as inorganic additive in electrosynthesis cell. Ceramics International, 2015, 41, 8637-8642.	4.8	23
3260	Assembling Mn:ZnSe quantum dots-siRNA nanoplexes for gene silencing in tumor cells. Biomaterials Science, 2015, 3, 192-202.	5.4	30
3261	PLA–PEG Coated Multifunctional Imaging Probe for Targeted Drug Delivery. Molecular Pharmaceutics, 2015, 12, 1885-1892.	4.6	27
3262	Fluorescent N-doped carbon dots for both cellular imaging and highly-sensitive catechol detection. Carbon, 2015, 91, 66-75.	10.3	161
3263	Nanoparticle film deposition using a simple and fast centrifuge sedimentation method. Applied Nanoscience (Switzerland), 2015, 5, 457-468.	3.1	25
3264	A high efficient photoluminescence Zn–Cu–In–S/ZnS quantum dots with long lifetime. Journal of Alloys and Compounds, 2015, 640, 134-140.	5.5	55
3265	Dendrimer–nanoparticle conjugates in nanomedicine. Nanomedicine, 2015, 10, 977-992.	3.3	28
3266	Quantum dot/glycol chitosan fluorescent nanoconjugates. Nanoscale Research Letters, 2015, 10, 172.	5.7	25
3267	Preparation and optical properties of alloyed Zn x Cd 1―x S/alginate core/shell nanoparticles. Luminescence, 2015, 30, 86-90.	2.9	1
3268	Amine ligands control of the optical properties and the shape of thermally grown core/shell CulnS2/ZnS quantum dots. Journal of Alloys and Compounds, 2015, 645, 184-192.	5.5	36
3269	Efficient delivery of quantum dots in live cells by gold nanoparticle mediated photoporation. Proceedings of SPIE, 2015, , .	0.8	2
3270	Radionuclide-labeled nanostructures for In Vivo imaging of cancer. Nano Convergence, 2015, 2, .	12.1	13
3271	Biomanufacturing of CdS quantum dots. Green Chemistry, 2015, 17, 3775-3782.	9.0	74
3272	Improved Immunoassay Sensitivity in Serum as a Result of Polymer-Entrapped Quantum Dots: †Papaya Particles'. Analytical Chemistry, 2015, 87, 6150-6157.	6.5	14

#	Article	IF	CITATIONS
3273	Inorganic Nanoparticles in Targeted Drug Delivery and Imaging. Advances in Delivery Science and Technology, 2015, , 571-613.	0.4	12
3274	NIR fluorescent silica nanoparticles as reporting labels in bioanalytical applications. , 2015, , .		1
3275	Multi-color quantum dot-based fluorescence immunoassay array for simultaneous visual detection of multiple antibiotic residues in milk. Biosensors and Bioelectronics, 2015, 72, 320-325.	10.1	173
3276	A nanocomposite prepared from helical carbon nanotubes, polyallylamine hydrochloride and CdSe quantum dots for electrochemiluminescent determination of dopamine. Mikrochimica Acta, 2015, 182, 1661-1668.	5.0	10
3277	Fluorescence Imaging Assisted Photodynamic Therapy Using Photosensitizer-Linked Gold Quantum Clusters. ACS Nano, 2015, 9, 5825-5832.	14.6	128
3278	CdTe@SiO2/Ag nanocomposites as antibacterial fluorescent markers for enhanced latent fingerprint detection. Dyes and Pigments, 2015, 119, 1-11.	3.7	31
3279	Quantum Yield Regeneration: Influence of Neutral Ligand Binding on Photophysical Properties in Colloidal Core/Shell Quantum Dots. ACS Nano, 2015, 9, 3345-3359.	14.6	59
3280	Collagen-nanoparticle Interactions: Type I Collagen Stabilization Using Functionalized Nanoparticles. Soft Materials, 2015, 13, 59-65.	1.7	14
3281	Quantum dots: bright and versatile in vitro and in vivo fluorescence imaging biosensors. Chemical Society Reviews, 2015, 44, 4792-4834.	38.1	795
3282	Luminescent molecularly-imprinted polymer nanocomposites for sensitive detection. TrAC - Trends in Analytical Chemistry, 2015, 67, 209-216.	11.4	57
3283	pHe-Induced Charge-Reversible NIR Fluorescence Nanoprobe for Tumor-Specific Imaging. ACS Applied Materials & Samp; Interfaces, 2015, 7, 7566-7575.	8.0	23
3284	Semiconductor nanocrystals in fluorous liquids for the construction of light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 2759-2762.	5.5	5
3285	Single-Quantum-Dot Tracking Reveals Altered Membrane Dynamics of an Attention-Deficit/Hyperactivity-Disorder-Derived Dopamine Transporter Coding Variant. ACS Chemical Neuroscience, 2015, 6, 526-534.	3.5	37
3286	A single quantum dot-based biosensor for telomerase assay. Chemical Communications, 2015, 51, 6808-6811.	4.1	57
3287	Nanobiosensors and Nanobioanalyses. , 2015, , .		10
3288	Triphenylphosphine modified graphene quantum dots: spectral modulation for full spectrum of visible light with high quantum yield. RSC Advances, 2015, 5, 33347-33350.	3.6	30
3289	One-pot synthesis of highly cross-linked fluorescent polyphosphazene nanoparticles for cell imaging. Polymer Chemistry, 2015, 6, 3155-3163.	3.9	46
3290	Thermoluminescence studies of ultraviolet and gamma irradiated erbium(III)- and ytterbium(III)-doped gadolinium oxide phosphors. Materials Science in Semiconductor Processing, 2015, 33, 169-188.	4.0	32

#	Article	IF	CITATIONS
3291	Overview about the localization of nanoparticles in tissue and cellular context by different imaging techniques. Beilstein Journal of Nanotechnology, 2015, 6, 263-280.	2.8	77
3292	Structural and magnetic characterization of electro-crystallized magnetite nanoparticles under constant current. Materials Research Bulletin, 2015, 70, 328-335.	5. 2	14
3293	Characterization of the interaction of FTO protein with thioglycolic acid capped CdTe quantum dots and its analytical application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 667-673.	3.9	8
3294	A scanometric antibody probe for facile and sensitive immunoassays. Chemical Communications, 2015, 51, 8865-8867.	4.1	12
3295	Growth Schemes of Tunable Ultrathin CdSxSe1–x Alloyed Nanostructures at Low Temperatures. Journal of Physical Chemistry C, 2015, 119, 10734-10739.	3.1	16
3296	White-Light-Exciting, Layer-by-Layer-Assembled ZnCdHgSe Quantum Dots/Polymerized Ionic Liquid Hybrid Film for Highly Sensitive Photoelectrochemical Immunosensing of Neuron Specific Enolase. Analytical Chemistry, 2015, 87, 4237-4244.	6.5	70
3297	Multifunctional Nd ³⁺ -sensitized upconversion nanomaterials for synchronous tumor diagnosis and treatment. Nanoscale, 2015, 7, 8574-8583.	5 . 6	45
3298	Controlling the growth of ultrasmall CdTe quantum dots and the diffusion of cadmium vacancies: Thermal annealing. Journal of Alloys and Compounds, 2015, 637, 466-470.	5. 5	8
3299	Photoligation of an Amphiphilic Polymer with Mixed Coordination Provides Compact and Reactive Quantum Dots. Journal of the American Chemical Society, 2015, 137, 5438-5451.	13.7	91
3300	Synthesis of CulnS2 quantum dots using polyetheramine as solvent. Nanoscale Research Letters, 2015, 10, 122.	5.7	16
3301	Red-Emitting DPSB-Based Conjugated Polymer Nanoparticles with High Two-Photon Brightness for Cell Membrane Imaging. ACS Applied Materials & Interfaces, 2015, 7, 6754-6763.	8.0	50
3302	Biosensing strategy based on photocurrent quenching of quantum dots via energy resonance absorption. Science China Chemistry, 2015, 58, 879-884.	8.2	6
3303	Quantum dot-based lab-on-a-bead system for multiplexed detection of free and total prostate-specific antigens in clinical human serum samples. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1065-1075.	3.3	68
3304	Interferometric Detection of Single Gold Nanoparticles Calibrated against TEM Size Distributions. Small, 2015, 11, 3550-3555.	10.0	4
3305	A Novel Pyrene Fluorescent Sensor Based on the π–π Interaction Between Pyrene and Graphene of Graphene–Cadmium Telluride Quantum Dot Nanocomposites. Spectroscopy Letters, 2015, 48, 748-756.	1.0	5
3306	Noninvasive theranostic imaging of HSV-TK/GCV suicide gene therapy in liver cancer by folate-targeted quantum dot-based liposomes. Biomaterials Science, 2015, 3, 833-841.	5.4	55
3307	Atomâ€Precise Polyoxometalate–Ag ₂ S Core–Shell Nanoparticles. Chemistry - an Asian Journal, 2015, 10, 1295-1298.	3.3	32
3308	Multifunctional nanoparticles for use in theranostic applications. Drug Delivery and Translational Research, 2015, 5, 295-309.	5.8	85

#	ARTICLE	IF	CITATIONS
3309	Primary hepatocyte imaging by multiphoton luminescent graphene quantum dots. Chemical Communications, 2015, 51, 8041-8043.	4.1	30
3311	Incorporation of lanthanide (Eu ³⁺) ions in ZnS semiconductor quantum dots with a trapped-dopant model and their photoluminescence spectroscopy study. Nanotechnology, 2015, 26, 375601.	2.6	27
3312	Quantum-dot-conjugated graphene oxide as an optical tool for biosensor. Optics Express, 2015, 23, 25017.	3.4	7
3314	Fast, Ratiometric FRET from Quantum Dot Conjugated Stabilized Single Chain Variable Fragments for Quantitative Botulinum Neurotoxin Sensing. Nano Letters, 2015, 15, 7161-7167.	9.1	40
3315	Magnetism and white-light-emission bifunctionality simultaneously assembled into flexible Janus nanofiber via electrospinning. Journal of Materials Science, 2015, 50, 7884-7895.	3.7	15
3316	Biocompatible ZnS:Mn2+ quantum dots/SiO2 nanocomposites as fluorescent probe for imaging HeLa cell. Journal of Materials Science: Materials in Medicine, 2015, 26, 236.	3.6	8
3317	Quantum Dots and Their Ligand Passivation. , 2015, , 131-145.		0
3318	Effective Potentiality of Synthesised CdS Nanoparticles in Inducing Genetic Variation on Macrotyloma uniflorum (Lam.) Verdc BioNanoScience, 2015, 5, 171-180.	3.5	11
3319	Nanoparticle shape anisotropy and photoluminescence properties: Europium containing ZnO as a Model Case. Nanoscale, 2015, 7, 16969-16982.	5 . 6	30
3320	DNA nano-carrier for repeatable capture and release of biomolecules. Nanoscale, 2015, 7, 17397-17403.	5. 6	8
3321	The advances in applying inorganic fluorescent nanomaterials for the detection of hepatocellular carcinoma and other cancers. RSC Advances, 2015, 5, 79572-79584.	3.6	10
3322	Simultaneous Point-of-Care Detection of Enterovirus 71 and Coxsackievirus B3. Analytical Chemistry, 2015, 87, 11105-11112.	6.5	43
3323	Direct fluorescence in situ hybridization on human metaphase chromosomes using quantum dot-platinum labeled DNA probes. Biochemical and Biophysical Research Communications, 2015, 467, 328-333.	2.1	1
3324	Aggregation-Induced Emission: Together We Shine, United We Soar!. Chemical Reviews, 2015, 115, 11718-11940.	47.7	6,279
3325	Reducing Competition by Coordinating Solvent Promotes Morphological Control in Alternating Layer Growth of CdSe/CdS Core/Shell Quantum Dots. Chemistry of Materials, 2015, 27, 7468-7480.	6.7	24
3326	Cyclodextrin capped CdTe quantum dots as versatile fluorescence sensors for nitrophenol isomers. Nanoscale, 2015, 7, 19540-19546.	5.6	66
3327	Quinoxaline-Based Polymer Dots with Ultrabright Red to Near-Infrared Fluorescence for In Vivo Biological Imaging. Journal of the American Chemical Society, 2015, 137, 10420-10429.	13.7	163
3328	Inter-dot strain field effect on the optoelectronic properties of realistic InP lateral quantum-dot molecules. Journal of Applied Physics, 2015, 117, 094306.	2.5	12

#	Article	IF	CITATIONS
3329	Carbon "Quantum―Dots for Fluorescence Labeling of Cells. ACS Applied Materials & Camp; Interfaces, 2015, 7, 19439-19445.	8.0	149
3330	The Role of Negative Charge in the Delivery of Quantum Dots to Neurons. ASN Neuro, 2015, 7, 175909141559238.	2.7	39
3331	Application of Nanoparticles in Manufacturing. , 2015, , 1-53.		4
3332	Redox-mediated reversible modulation of the photoluminescence of single quantum dots. Chinese Physics B, 2015, 24, 078202.	1.4	3
3333	New Signal Amplification Strategy Using Semicarbazide as Co-reaction Accelerator for Highly Sensitive Electrochemiluminescent Aptasensor Construction. Analytical Chemistry, 2015, 87, 11389-11397.	6.5	135
3334	Comparative photophysicochemical behavior of nanoconjugates of indium tetracarboxyphenoxy phthalocyanines covalently linked to CdTe/ZnSe/ZnO quantum dots. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 312, 34-44.	3.9	21
3335	Ultrasensitive, Biocompatible, Self alibrating, Multiparametric Temperature Sensors. Small, 2015, 11, 5741-5746.	10.0	43
3336	Structural, morphological and optical properties of Albumen mediated ZnO nanoparticles. Optik, 2015, 126, 5748-5752.	2.9	5
3337	Chemical sensitivity of InP/In0.48Ga0.52P surface quantum dots studied by time-resolved photoluminescence spectroscopy. Journal of Luminescence, 2015, 168, 54-58.	3.1	8
3338	Gene Detection in Complex Biological Media Using Semiconductor Nanorods within an Integrated Microfluidic Device. Analytical Chemistry, 2015, 87, 10292-10298.	6.5	6
3339	Nanoscale Fluorescence Emitters. , 2015, , 203-262.		1
3340	Fluorescent Nanocomposites. , 2015, , 263-299.		1
3341	A real-time documentation and mechanistic investigation of quantum dots-induced autophagy in live Caenorhabditis elegans. Biomaterials, 2015, 72, 38-48.	11.4	30
3342	Physico-chemical methods for studying amyloid- \hat{l}^2 aggregation. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2015, 9, 258-274.	0.4	12
3343	Morphological plasticity of astroglia: Understanding synaptic microenvironment. Glia, 2015, 63, 2133-2151.	4.9	131
3344	Silver nanoparticles-enhanced time-resolved fluorescence sensor for VEGF165 based on Mn-doped ZnS quantum dots. Biosensors and Bioelectronics, 2015, 74, 1053-1060.	10.1	45
3345	Toward Biocompatible Semiconductor Quantum Dots: From Biosynthesis and Bioconjugation to Biomedical Application. Chemical Reviews, 2015, 115, 11669-11717.	47.7	566
3346	ROS self-scavenging polythiophene materials for cell imaging. Polymer Chemistry, 2015, 6, 8244-8247.	3.9	7

#	Article	IF	CITATIONS
3347	Bright Type II Quantum Dots. Chemistry of Materials, 2015, 27, 7276-7281.	6.7	41
3348	Partial protection of N-acetylcysteine against MPA-capped CdTe quantum dot-induced neurotoxicity in rat primary cultured hippocampal neurons. Toxicology Research, 2015, 4, 1613-1622.	2.1	19
3349	Interplay of electrostatics and lipid packing determines the binding of charged polymer coated nanoparticles to model membranes. Physical Chemistry Chemical Physics, 2015, 17, 24238-24247.	2.8	21
3350	High-yield clicking and dissociation of doxorubicin nanoclusters exhibiting differential cellular uptakes and imaging. Journal of Controlled Release, 2015, 217, 64-73.	9.9	8
3351	Clustering of CdSe/CdS Quantum Dot/Quantum Rods into Micelles Can Form Bright, Non-blinking, Stable, and Biocompatible Probes. Langmuir, 2015, 31, 9441-9447.	3.5	18
3352	Luminescent nanocarriers for simultaneous drug or gene delivery and imaging tracking. TrAC - Trends in Analytical Chemistry, 2015, 73, 54-63.	11.4	13
3353	Oscillatory Microprocessor for Growth and in Situ Characterization of Semiconductor Nanocrystals. Chemistry of Materials, 2015, 27, 6131-6138.	6.7	74
3354	Nanoparticle Probes for the Detection of Cancer Biomarkers, Cells, and Tissues by Fluorescence. Chemical Reviews, 2015, 115, 10530-10574.	47.7	864
3355	Random Lasing with Systematic Threshold Behavior in Films of CdSe/CdS Core/Thick-Shell Colloidal Quantum Dots. ACS Nano, 2015, 9, 9792-9801.	14.6	49
3356	Effective Electrochemistry of Human Sulfite Oxidase Immobilized on Quantum-Dots-Modified Indium Tin Oxide Electrode. ACS Applied Materials & Samp; Interfaces, 2015, 7, 21487-21494.	8.0	30
3357	Stimuli responsive drug delivery application of polymer and silica in biomedicine. Journal of Materials Chemistry B, 2015, 3, 8599-8622.	5.8	88
3358	Nanoporous molybdenum carbide nanowires: a novel sensing platform for DNA detection. Journal of Materials Chemistry B, 2015, 3, 7173-7176.	5.8	13
3359	Heating-up synthesis of cadimum-free and color-tunable quaternary and five-component Cu–In–Zn–S-based semiconductor nanocrystals. Journal of Materials Chemistry C, 2015, 3, 10114-10120.	5.5	63
3360	RNA and DNA Diagnostics on Microspheres: Current and Emerging Methods. RNA Technologies, 2015, , 205-224.	0.3	5
3361	Image-driven pharmacokinetics: nanomedicine concentration across space and time. Nanomedicine, 2015, 10, 2861-2879.	3.3	4
3362	Quantification of Epidermal Growth Factor Receptor Expression Level and Binding Kinetics on Cell Surfaces by Surface Plasmon Resonance Imaging. Analytical Chemistry, 2015, 87, 9960-9965.	6.5	161
3363	Hole Transfer from Photoexcited Quantum Dots: The Relationship between Driving Force and Rate. Journal of the American Chemical Society, 2015, 137, 15567-15575.	13.7	113
3364	Hyaluronic acid and its derivatives in drug delivery and imaging: Recent advances and challenges. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 400-416.	4.3	221

#	Article	IF	CITATIONS
3365	Aliphatic polyesters for medical imaging and theranostic applications. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 350-370.	4.3	58
3366	Controlling the Architecture, Coordination, and Reactivity of Nanoparticle Coating Utilizing an Amino Acid Central Scaffold. Journal of the American Chemical Society, 2015, 137, 16084-16097.	13.7	22
3367	A methacrylate-based polymeric imidazole ligand yields quantum dots with low cytotoxicity and low nonspecific binding. Journal of Colloid and Interface Science, 2015, 458, 310-314.	9.4	13
3368	Self-limiting adsorption of Eu3+ on the surface of rod-shape anatase TiO2 nanocrystals and post-synthetic sensitization of the europium-based emission. Journal of Colloid and Interface Science, 2015, 459, 63-69.	9.4	8
3369	Electrochemical Determination of Uric Acid at CdTe Quantum Dot Modified Glassy Carbon Electrodes. Journal of AOAC INTERNATIONAL, 2015, 98, 1260-1266.	1.5	9
3370	Nanosensors for early cancer detection and for therapeutic drug monitoring. Nanomedicine, 2015, 10, 3495-3512.	3.3	55
3371	Quantifying "Softness―of Organic Coatings on Gold Nanoparticles Using Correlated Small-Angle X-ray and Neutron Scattering. Nano Letters, 2015, 15, 8008-8012.	9.1	47
3372	All-Quantum-Dot Infrared Light-Emitting Diodes. ACS Nano, 2015, 9, 12327-12333.	14.6	61
3373	Oriented Bioconjugation of Unmodified Antibodies to Quantum Dots Capped with Copolymeric Ligands as Versatile Cellular Imaging Tools. ACS Applied Materials & Samp; Interfaces, 2015, 7, 26904-26913.	8.0	37
3374	Nanoparticles in Biomedical Applications. Bioanalytical Reviews, 2015, , 177-210.	0.2	8
3376	Lanthanide-doped luminescent nano-bioprobes for the detection of tumor markers. Nanoscale, 2015, 7, 4274-4290.	5.6	101
3377	Strategies for interfacing inorganic nanocrystals with biological systems based on polymer-coating. Chemical Society Reviews, 2015, 44, 193-227.	38.1	189
3379	Ultra-High Quantum Yield of Graphene Quantum Dots: Aromatic-Nitrogen Doping and Photoluminescence Mechanism. Particle and Particle Systems Characterization, 2015, 32, 434-440.	2.3	182
3380	Synthesis of highly fluorescent hydrophobic carbon dots by hot injection method using Paraplast as precursor. Materials Science and Engineering C, 2015, 48, 700-703.	7.3	48
3381	Two-dimensional graphene analogues for biomedical applications. Chemical Society Reviews, 2015, 44, 2681-2701.	38.1	786
3382	Stimuli-Responsive Nanomaterials for Biomedical Applications. Journal of the American Chemical Society, 2015, 137, 2140-2154.	13.7	442
3383	Acoustic vibrations of metal nano-objects: Time-domain investigations. Physics Reports, 2015, 549, 1-43.	25.6	135
3384	Highly fluorescent C-dots obtained by pyrolysis of quaternary ammonium ions trapped in all-silica ITQ-29 zeolite. Nanoscale, 2015, 7, 1744-1752.	5.6	38

#	Article	IF	CITATIONS
3385	Understanding the binding interaction of imidazole with ZnO nanomaterials and clusters. RSC Advances, 2015, 5, 9518-9531.	3.6	14
3386	Intratumoral Thermal Reading During Photoâ€Thermal Therapy by Multifunctional Fluorescent Nanoparticles. Advanced Functional Materials, 2015, 25, 615-626.	14.9	274
3387	Design, synthesis and evaluation of the QD-DTC–bisbiotin nanobioconjugate as a potential optical-SPECT imaging agent. MedChemComm, 2015, 6, 363-371.	3.4	10
3388	Fluorescence Reports Intact Quantum Dot Uptake into Roots and Translocation to Leaves of <i>Arabidopsis thaliana </i> and Subsequent Ingestion by Insect Herbivores. Environmental Science & Environme	10.0	117
3389	Genetic Algorithmâ€Guided Discovery of Additive Combinations That Direct Quantum Dot Assembly. Advanced Materials, 2015, 27, 223-227.	21.0	14
3390	Nanomaterials for Theranostics: Recent Advances and Future Challenges. Chemical Reviews, 2015, 115, 327-394.	47.7	1,063
3391	Genomic Instability and Cancer Metastasis. Cancer Metastasis - Biology and Treatment, 2015, , .	0.1	1
3392	Concurrent hypermulticolor monitoring of CD31, CD34, CD45 and CD146 endothelial progenitor cell markers for acute myocardial infarction. Analytica Chimica Acta, 2015, 853, 501-507.	5.4	17
3393	Physicochemical behavior of nanohybrids of mono and tetra substituted carboxyphenoxy phthalocyanine covalently linked to GSH–CdTe/CdS/ZnS quantum dots. Polyhedron, 2015, 87, 8-16.	2.2	15
3394	Sizeâ€Selective Separation and Purification of "Waterâ€Soluble―Organically Capped Brightly Photoluminescent Silicon Nanocrystals. Particle and Particle Systems Characterization, 2015, 32, 301-306.	2.3	10
3395	Nanoparticles as analytical tools for in-vitro antioxidant-capacity assessment and beyond. TrAC - Trends in Analytical Chemistry, 2015, 64, 1-16.	11.4	51
3396	Fluorescent detection of chlorpyrifos using Mn(II)-doped ZnS quantum dots coated with a molecularly imprinted polymer. Mikrochimica Acta, 2015, 182, 193-200.	5.0	82
3397	Engineering the Cell-Semiconductor Interface: A Materials Modification Approach using II-VI and III-V Semiconductor Materials. Small, 2015, 11, 768-780.	10.0	20
3398	Structural and optical studies of undoped and copper doped zinc sulphide nanoparticles for photocatalytic application. Superlattices and Microstructures, 2015, 77, 35-53.	3.1	34
3399	Recent Advances in Optical Imaging with Anisotropic Plasmonic Nanoparticles. Analytical Chemistry, 2015, 87, 200-215.	6.5	72
3400	A sensitive photoelectrochemical immunoassay based on mesoporous carbon/core–shell quantum dots as donor–acceptor light-harvesting architectures. New Journal of Chemistry, 2015, 39, 731-738.	2.8	10
3401	Magnetized Silane-Coupling Agent KH-570 Based Solid-Phase Extraction Followed by Gas Chromatography–Flame Ionization Detection to Determine Venlafaxine in Human Hair and Aqueous Environmental Samples. Archives of Environmental Contamination and Toxicology, 2015, 68, 412-420.	4.1	10
3402	Cytotoxicity and cellular uptake of ZnS:Mn nanocrystals biofunctionalized with chitosan and aminoacids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 327-333.	3.9	8

#	Article	IF	CITATIONS
3403	Computer modeling to optimize the sensitivity of an optical DNA nanosensor. Sensors and Actuators B: Chemical, 2015, 207, 716-723.	7.8	5
3404	Solid silica nanoparticles: applications in molecular imaging. Contrast Media and Molecular Imaging, 2015, 10, 1-17.	0.8	38
3405	GaAs/AlGaAs heterostructure based photonic biosensor for rapid detection of Escherichia coli in phosphate buffered saline solution. Sensors and Actuators B: Chemical, 2015, 207, 556-562.	7.8	48
3407	Spectral imaging superlocalization microscopy for quantum dots. Sensors and Actuators B: Chemical, 2015, 207, 308-312.	7.8	8
3408	Multifunctional nanoparticle–EpCAM aptamer bioconjugates: A paradigm for targeted drug delivery and imaging in cancer therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 379-389.	3.3	94
3409	Surface functionalization of quantum dots for biological applications. Advances in Colloid and Interface Science, 2015, 215, 28-45.	14.7	199
3410	Anti-bias voltage electron-Kondo transport in a quantum dot device driven by a graphene sheet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 187-191.	2.1	2
3411	Silica-based nanoparticles: a versatile tool for the development of efficient imaging agents. Chemical Society Reviews, 2015, 44, 4645-4671.	38.1	121
3412	ZnS anisotropic nanocrystals using a one-pot low temperature synthesis. New Journal of Chemistry, 2015, 39, 90-93.	2.8	8
3413	Greener synthesis and optimization of highly photoluminescence Mn2+-doped ZnS quantum dots. Journal of Luminescence, 2015, 158, 176-180.	3.1	18
3414	Translocation and neurotoxicity of CdTe quantum dots in RMEs motor neurons in nematode Caenorhabditis elegans. Journal of Hazardous Materials, 2015, 283, 480-489.	12.4	81
3415	Evidence of three-level trophic transfer of quantum dots in an aquatic food chain by using bioimaging. Nanotoxicology, 2015, 9, 407-412.	3.0	31
3416	Ultrasensitive detection of target analyte-induced aggregation of gold nanoparticles using laser-induced nanoparticle Rayleigh scattering. Talanta, 2015, 132, 44-51.	5.5	14
3417	Distinct expression profiles of stress defense and DNA repair genes in Daphnia pulex exposed to cadmium, zinc, and quantum dots. Chemosphere, 2015, 120, 92-99.	8.2	36
3418	Semiconducting Polymer Nanoparticles as Fluorescent Probes for Biological Imaging and Sensing. Particle and Particle Systems Characterization, 2015, 32, 11-28.	2.3	123
3419	Colloidal Nanocrystals Fluoresced by Surface Coordination Complexes. Scientific Reports, 2014, 4, 5480.	3.3	6
3420	Nanoparticulate carriers: an emerging tool for breast cancer therapy. Journal of Drug Targeting, 2015, 23, 97-108.	4.4	15
3421	Nanoparticle characterization based on STM and STS. Chemical Society Reviews, 2015, 44, 970-987.	38.1	82

#	Article	IF	CITATIONS
3422	Development of a low-volume, highly sensitive microimmunoassay using computational fluid dynamics-driven multiobjective optimization. Microfluidics and Nanofluidics, 2015, 18, 199-214.	2.2	4
3423	Drug Delivery Nanoparticles Formulation and Characterization. , 0, , .		40
3424	Distarch Phosphate as a Matrix for the Generation of Quantum Dots. Polymers and Polymer Composites, 2016, 24, 403-410.	1.9	2
3425	Surface functionalized hybrid nanomaterials. , 2016, , 1-32.		0
3426	Energy Transfer between Conjugated Colloidal Ga2O3 and CdSe/CdS Core/Shell Nanocrystals for White Light Emitting Applications. Nanomaterials, 2016, 6, 32.	4.1	8
3427	Inhibition of autophagy contributes to the toxicity of cadmium telluride quantum dots in Saccharomyces cerevisiae . International Journal of Nanomedicine, 2016, Volume 11, 3371-3383.	6.7	31
3428	Surface biofunctionalized CdS and ZnS quantum dot nanoconjugates for nanomedicine and oncology: to be or not to be nanotoxic? International Journal of Nanomedicine, 2016, Volume 11, 4669-4690.	6.7	29
3429	Biosensors for Rapid Detection of Avian Influenza., 0, , .		4
3430	Oxygen-generating nanobiomaterials for the treatment of diabetes., 2016,, 331-353.		2
3431	Stem Cell Tracking with Nanoparticles for Regenerative Medicine Purposes: An Overview. Stem Cells International, 2016, 2016, 1-23.	2.5	71
3432	Stem Cell Imaging: Tools to Improve Cell Delivery and Viability. Stem Cells International, 2016, 2016, 1-16.	2.5	41
3433	Recent Advances in the Synthesis and Stabilization of Nickel and Nickel Oxide Nanoparticles: A Green Adeptness. International Journal of Analytical Chemistry, 2016, 2016, 1-14.	1.0	115
3434	The Effect of Fatty Amine Chain Length on Synthesis Process of Inp/Zns Quantum Dots. Oriental Journal of Chemistry, 2016, 32, 2163-2169.	0.3	8
3435	Active-targeted Nanotherapy as Smart Cancer Treatment. , 2016, , .		7
3436	Sensitive Determination of Cetirizine Using CdS Quantum dots as Oxidase Mimic-mediated Chemiluminescence of Sulfite. International Current Pharmaceutical Journal, 2016, 5, 59-62.	0.3	9
3437	Graphene and Carbon Quantum Dot-Based Materials in Photovoltaic Devices: From Synthesis to Applications. Nanomaterials, 2016, 6, 157.	4.1	126
3438	Synthesis of CdSe Quantum Dots Using Fusarium oxysporum. Materials, 2016, 9, 855.	2.9	29
3439	Molecular-Based Fluorescent Nanoparticles Built from Dedicated Dipolar Thienothiophene Dyes as Ultra-Bright Green to NIR Nanoemitters. Molecules, 2016, 21, 1227.	3.8	20

#	Article	IF	CITATIONS
3440	The Power of Heterogeneity: Parameter Relationships from Distributions. PLoS ONE, 2016, 11, e0155718.	2.5	5
3441	Fluorescent taggants with temporally coded signatures. Optics Express, 2016, 24, 15528.	3.4	6
3442	Synthesis, toxicity, biocompatibility, and biomedical applications of graphene and graphene-related materials. International Journal of Nanomedicine, 2016, 11, 1927.	6.7	217
3443	Folic acid targeted Mn:ZnS quantum dots for theranostic applications of cancer cell imaging and therapy. International Journal of Nanomedicine, 2016, 11, 413.	6.7	62
3444	Design and Utility of Metal/Metal Oxide Nanoparticles Mediated by Thioether End-Functionalized Polymeric Ligands. Polymers, 2016, 8, 156.	4.5	50
3445	Nanobiomaterials Architectured for Improved Delivery of Antimalaria Drugs. , 2016, , 169-200.		2
3446	Real-time imaging of single synaptic vesicles in live neurons. Frontiers in Biology, 2016, 11, 109-118.	0.7	12
3447	Photo-induced brightening and broadening effects of gold quantum clusters. Proceedings of SPIE, 2016, , .	0.8	0
3448	Triplet Energy Transfer from PbS(Se) Nanocrystals to Rubrene: the Relationship between the Upconversion Quantum Yield and Size. Advanced Functional Materials, 2016, 26, 6091-6097.	14.9	74
3449	Logic Control of Interfaceâ€Induced Chargeâ€Trapping Effect for Ultrasensitive Gas Detection with Allâ€Mirrorâ€Image Symmetry. Advanced Materials Technologies, 2016, 1, 1600067.	5.8	10
3450	Nanocarrierâ€Mediated Codelivery of Small Molecular Drugs and siRNA to Enhance Chondrogenic Differentiation and Suppress Hypertrophy of Human Mesenchymal Stem Cells. Advanced Functional Materials, 2016, 26, 2463-2472.	14.9	42
3451	Fluorescent Polymer Nanoparticles Based on Dyes: Seeking Brighter Tools for Bioimaging. Small, 2016, 12, 1968-1992.	10.0	487
3452	Influence of Surface Modifications on the Spatiotemporal Microdistribution of Quantum Dots In Vivo. Small, 2016, 12, 2641-2651.	10.0	11
3453	Imaging Cancer Cells Expressing the Folate Receptor with Carbon Dots Produced from Folic Acid. ChemBioChem, 2016, 17, 614-619.	2.6	114
3455	The Dynamic Organic/Inorganic Interface of Colloidal PbS Quantum Dots. Angewandte Chemie, 2016, 128, 6740-6745.	2.0	3
3456	The Dynamic Organic/Inorganic Interface of Colloidal PbS Quantum Dots. Angewandte Chemie - International Edition, 2016, 55, 6628-6633.	13.8	57
3457	Fluorescent Unimolecular Conjugated Polymeric Micelles for Biological Applications. Macromolecular Chemistry and Physics, 2016, 217, 266-283.	2.2	21
3458	Evaluation of quantum dot immunofluorescence and a digital CMOS imaging system as an alternative to conventional organic fluorescence dyes and laser scanning for quantifying protein microarrays. Proteomics, 2016, 16, 1271-1279.	2.2	22

#	Article	IF	CITATIONS
3459	Synthesis and Characterization of Mn:ZnSe/ZnS/ZnMnS Sandwiched QDs for Multimodal Imaging and Theranostic Applications. Small, 2016, 12, 534-546.	10.0	33
3460	Synthesis of Semiconductor Nanocrystals, Focusing on Nontoxic and Earth-Abundant Materials. Chemical Reviews, 2016, 116, 10731-10819.	47.7	469
3461	Fluorescent silica nanoparticles containing covalently bound dyes for reporter, marker, and sensor applications. , $2016, , .$		1
3462	Ultrabright Lanthanide Nanoparticles. ChemPlusChem, 2016, 81, 526-534.	2.8	20
3463	Thermally Induced Silane Dehydrocoupling on Silicon Nanostructures. Angewandte Chemie - International Edition, 2016, 55, 6423-6427.	13.8	28
3464	Synthetic Developments of Nontoxic Quantum Dots. ChemPhysChem, 2016, 17, 598-617.	2.1	80
3465	Tumorâ€Targeted Multimodal Optical Imaging with Versatile Cadmiumâ€Free Quantum Dots. Advanced Functional Materials, 2016, 26, 267-276.	14.9	65
3466	Multifunctional Quantum Dot Nanoparticles for Effective Differentiation and Longâ€Term Tracking of Human Mesenchymal Stem Cells In Vitro and In Vivo. Advanced Healthcare Materials, 2016, 5, 1049-1057.	7.6	50
3467	Designed Assembly and Integration of Colloidal Nanocrystals for Device Applications. Advanced Materials, 2016, 28, 1176-1207.	21.0	211
3468	A Scalable Platform for Functional Nanomaterials via Bubbleâ€Bursting. Advanced Materials, 2016, 28, 4047-4052.	21.0	19
3469	Catalytic Molecular Imaging of MicroRNA in Living Cells by DNAâ€Programmed Nanoparticle Disassembly. Angewandte Chemie, 2016, 128, 3125-3128.	2.0	41
3470	Thermally Induced Silane Dehydrocoupling on Silicon Nanostructures. Angewandte Chemie, 2016, 128, 6533-6537.	2.0	13
3472	Electrochemical synthesis and optical properties of ultra-fine CdSe nanoparticles. Journal of Nanostructure in Chemistry, 2016, 6, 289-297.	9.1	10
3473	Rapid Immobilization of Oligonucleotides at High Density on Semiconductor Quantum Dots and Gold Nanoparticles. Langmuir, 2016, 32, 13500-13509.	3.5	20
3474	Analysis of the atomic structure of colloidal quantum dots of the CdSe family: X-ray spectral diagnostics and computer modelling. Journal of Structural Chemistry, 2016, 57, 1429-1435.	1.0	0
3475	Nanobiosensors in diagnostics. Nanobiomedicine, 2016, 3, 184954351666357.	5 . 7	63
3476	Targeting and retention enhancement of quantum dots decorated with amino acids in an invertebrate model organism. Scientific Reports, 2016, 6, 19802.	3.3	16
3477	Calligraphic solar cells: acknowledging paper and pencil. Journal of Materials Research, 2016, 31, 2578-2589.	2.6	19

#	Article	IF	CITATIONS
3478	Excitation energy-transfer in functionalized nanoparticles: Going beyond the FÃ \P rster approach. Journal of Chemical Physics, 2016, 144, 074101.	3.0	6
3479	White LEDs with InP-ZnS quantum dots. , 2016, , .		0
3480	Laser-synthesized oxide-passivated bright Si quantum dots for bioimaging. Scientific Reports, 2016, 6, 24732.	3.3	70
3481	Detection of Temperature Difference in Neuronal Cells. Scientific Reports, 2016, 6, 22071.	3.3	93
3482	A near IR photosensitizer based on self-assembled CdSe quantum dot-aza-BODIPY conjugate coated with poly(ethylene glycol) and folic acid for concurrent fluorescence imaging and photodynamic therapy. RSC Advances, 2016, 6, 113991-113996.	3.6	21
3483	Fabrication of composite materials from semiconductor quantum dots and organic polymers for optoelectronics and biomedicine: role of surface ligands. Russian Chemical Bulletin, 2016, 65, 2568-2577.	1.5	11
3484	Physico-chemical mechanism for the vapors sensitivity of photoluminescent InP quantum dots. IOP Conference Series: Materials Science and Engineering, 2016, 108, 012034.	0.6	1
3485	The Emerging Role of Nanotechnology in Cell and Organ Transplantation. Transplantation, 2016, 100, 1629-1638.	1.0	33
3486	$\label{thm:composite} Temperature-sensitive\ photoluminescent\ CdSe-ZnS\ polymer\ composite\ film\ for\ lock-in\ photothermal\ characterization.\ Journal\ of\ Applied\ Physics,\ 2016,\ 119,\ .$	2.5	5
3487	Photogenerated carriers transport behaviors in L-cysteine capped ZnSe core-shell quantum dots. Journal of Applied Physics, 2016, 119, .	2.5	9
3488	Physical characterization of nanoparticle size and surface modification using particle scattering diffusometry. Biomicrofluidics, 2016, 10, 054107.	2.4	212
3490	Semiconducting organic–inorganic nanocomposites by intimately tethering conjugated polymers to inorganic tetrapods. Nanoscale, 2016, 8, 8887-8898.	5.6	15
3491	Multiphoton luminescent graphene quantum dots for in vivo tracking of human adipose-derived stem cells. Nanoscale, 2016, 8, 8512-8519.	5.6	35
3492	Streptavidin conjugation and quantification—a method evaluation for nanoparticles. Analytical and Bioanalytical Chemistry, 2016, 408, 4133-4149.	3.7	21
3493	A long-wavelength quantum dot-concentric FRET configuration: characterization and application in a multiplexed hybridization assay. Analyst, The, 2016, 141, 3636-3647.	3.5	18
3494	Controlled synthesis, bioimaging and toxicity assessments in strong red emitting Mn ²⁺ doped NaYF ₄ :Yb ³⁺ /Ho ³⁺ nanophosphors. RSC Advances, 2016, 6, 53698-53704.	3.6	31
3495	Tumor Molecular Imaging with Nanoparticles. Engineering, 2016, 2, 132-140.	6.7	33
3496	Optical systems modeling and experimental realization of pump and probe technique: investigation of nonlinear absorption in colloidal quantum dots. Proceedings of SPIE, 2016, , .	0.8	2

#	Article	IF	CITATIONS
3497	Colloidal quantum dots for low-cost MWIR imaging. Proceedings of SPIE, 2016, , .	0.8	22
3498	Multiplexed detection of lung cancer biomarkers based on quantum dots and microbeads. Talanta, 2016, 156-157, 48-54.	5.5	57
3499	A label-free fluorescence biosensor for highly sensitive detection of lectin based on carboxymethyl chitosan-quantum dots and gold nanoparticles. Analytica Chimica Acta, 2016, 932, 88-97.	5.4	24
3500	Investigation of trimethylacetic acid adsorption on stoichiometric and oxygen-deficient CeO ₂ (111) surfaces. Physical Chemistry Chemical Physics, 2016, 18, 15625-15631.	2.8	9
3501	Synthesis of hollow magnetic and luminescent bifunctional composite nanoparticles. Colloid Journal, 2016, 78, 156-163.	1.3	6
3502	Silicon Quantum Dot Nanoparticles with Antifouling Coatings for Immunostaining on Live Cancer Cells. ACS Applied Materials & Cancer Sels. ACS ACS Applied Materials & Cancer Sels. ACS	8.0	35
3503	A ratiometric fluorescence nanosensor for highly selective and sensitive detection of selenite. Analyst, The, 2016, 141, 4685-4693.	3.5	23
3504	Sensitive QD@SiO2-based immunoassay for triplex determination of cereal-borne mycotoxins. Talanta, 2016, 160, 66-71.	5.5	28
3505	Highly Luminescent Thiolated Gold Nanoclusters Impregnated in Nanogel. Chemistry of Materials, 2016, 28, 4009-4016.	6.7	212
3506	Versatile Route to Colloidal Stability and Surface Functionalization of Hydrophobic Nanomaterials. Langmuir, 2016, 32, 5629-5636.	3 . 5	17
3507	Composition-dependent trap distributions in CdSe and InP quantum dots probed using photoluminescence blinking dynamics. Nanoscale, 2016, 8, 14109-14116.	5.6	22
3508	Inkjet-assisted layer-by-layer printing of quantum dot/enzyme microarrays for highly sensitive detection of organophosphorous pesticides. Analytica Chimica Acta, 2016, 916, 77-83.	5 . 4	38
3509	The nature of ultrabrightness of nanoporous fluorescent particles with physically encapsulated fluorescent dyes. Journal of Materials Chemistry C, 2016, 4, 2197-2210.	5.5	24
3510	Multiplexed molecular assays using nanoelectronically barcoded beads., 2016,,.		0
3511	Absorption of light by colloidal semiconductor quantum dots. Journal of Nanophotonics, 2016, 10, 033506.	1.0	11
3512	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. Analytical Chemistry, 2016, 88, 4949-4954.	6.5	107
3513	Comparative study of the exciton states in CdSe/ZnS core-shell quantum dots under applied electric fields with and without permanent electric dipole moment. European Physical Journal Plus, 2016, 131, 1.	2.6	6
3514	Metal chalcogenide quantum dots: biotechnological synthesis and applications. RSC Advances, 2016, 6, 41477-41495.	3.6	94

#	Article	IF	Citations
3515	Biocompatible Fluorescent Core-Shell Nanoconjugates Based on Chitosan/Bi2S3 Quantum Dots. Nanoscale Research Letters, 2016, 11, 187.	5.7	29
3516	Microfluidic Synthesis of Nanoparticles and their Biosensing Applications. Critical Reviews in Analytical Chemistry, 2016, 46, 538-561.	3.5	48
3517	Nanoparticles and DNA – a powerful and growing functional combination in bionanotechnology. Nanoscale, 2016, 8, 9037-9095.	5.6	181
3518	Cytotoxicity investigation of luminescent nanohybrids based on chitosan and carboxymethyl chitosan conjugated with Bi2S3 quantum dots for biomedical applications. Toxicology Research, 2016, 5, 1017-1028.	2.1	11
3519	An introduction to sample preparation and imaging by cryo-electron microscopy for structural biology. Methods, 2016, 100, 3-15.	3.8	178
3520	Redox-Mediated Indirect Fluorescence Immunoassay for the Detection of Disease Biomarkers Using Dopamine-Functionalized Quantum Dots. Analytical Chemistry, 2016, 88, 5131-5136.	6.5	107
3521	A multifunctional poly(curcumin) nanomedicine for dual-modal targeted delivery, intracellular responsive release, dual-drug treatment and imaging of multidrug resistant cancer cells. Journal of Materials Chemistry B, 2016, 4, 2954-2962.	5.8	66
3522	Quantitative Tissue Spectroscopy of Near Infrared Fluorescent Nanosensor Implants. Journal of Biomedical Nanotechnology, 2016, 12, 1035-1047.	1.1	46
3523	Label-free optical biosensor for direct complex DNA detection using Vitis vinifera L Sensors and Actuators B: Chemical, 2016, 234, 92-97.	7.8	8
3524	Nanotechnology: A New Opportunity in Plant Sciences. Trends in Plant Science, 2016, 21, 699-712.	8.8	690
3525	Tailoring of Electron-Collecting Oxide Nanoparticulate Layer for Flexible Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2016, 7, 1845-1851.	4.6	93
3526	Long-Term Tracking Mesenchymal Stem Cell Differentiation with Photostable Fluorescent Nanoparticles. ACS Applied Materials & Samp; Interfaces, 2016, 8, 11925-11933.	8.0	28
3527	Effects of various deposition times and RF powers on CdTe thin film growth using magnetron sputtering. Iranian Physical Journal, 2016, 10, 225-231.	1.2	32
3528	Comprehensive <i>Ab Initio</i> Study of Electronic, Optical, and Cohesive Properties of Silicon Quantum Dots of Various Morphologies and Sizes up to Infinity. Journal of Physical Chemistry C, 2016, 120, 11288-11298.	3.1	20
3529	Time-resolved phosphorescent sensor array based on quantum dots for recognition of proteins. Sensors and Actuators B: Chemical, 2016, 233, 17-24.	7.8	16
3530	Size-dependent CdSe quantum dot–lysozyme interaction and effect on enzymatic activity. RSC Advances, 2016, 6, 46744-46754.	3.6	31
3531	Applications of quantum dots in Food Science and biology. Trends in Food Science and Technology, 2016, 53, 75-89.	15.1	77
3532	Fluorescent quantum dot hydrophilization with PAMAM dendrimer. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	4

#	Article	IF	CITATIONS
3533	Surface functionalization of biomaterials by radical polymerization. Progress in Materials Science, 2016, 83, 191-235.	32.8	120
3534	Carbon dots as fluorescent sensor for detection of explosive nitrocompounds. Carbon, 2016, 106, 171-178.	10.3	117
3535	Rhodamine-based ratiometric fluorescent probes based on excitation energy transfer mechanisms: construction and applications in ratiometric sensing. RSC Advances, 2016, 6, 50732-50760.	3.6	87
3536	Multidentate Polysarcosine-Based Ligands for Water-Soluble Quantum Dots. Macromolecules, 2016, 49, 3663-3671.	4.8	43
3537	Biological effects, translocation, and metabolism of quantum dots in the nematode Caenorhabditis elegans. Toxicology Research, 2016, 5, 1003-1011.	2.1	50
3538	Construction of Ag-doped Zn–In–S quantum dots toward white LEDs and 3D luminescent patterning. RSC Advances, 2016, 6, 47616-47622.	3.6	23
3539	Luminescence Monitoring of Temporal Changes and Efficiency of Tissue Optical Clearing by NIR-Excited Upconversion Particles. BioNanoScience, 2016, 6, 169-175.	3. 5	1
3540	Fluorescent PEGulated Oligourethane Nanoparticles for Longâ€Term Cellular Tracing. Chemistry - A European Journal, 2016, 22, 10930-10936.	3.3	16
3541	Microwave-assisted synthesis and photophysical studies of novel fluorescent N-acylhydrazone and semicarbazone-7-OH-coumarin dyes. New Journal of Chemistry, 2016, 40, 8846-8854.	2.8	31
3542	Chitosan Oligosaccharides: Drug and Gene Delivery. , 0, , 1796-1810.		0
3543	Cadmium Free Quantum Dots: Principal Attractions, Properties, and Applications., 2016, , 437-471.		3
3544	Dual Role of Electron-Accepting Metal-Carboxylate Ligands: Reversible Expansion of Exciton Delocalization and Passivation of Nonradiative Trap-States in Molecule-like CdSe Nanocrystals. Journal of the American Chemical Society, 2016, 138, 12813-12825.	13.7	29
3545	Effective improvement in optical properties of colloidal CdTe@ZnS quantum dots synthesized from aqueous solution. Nanotechnology, 2016, 27, 365707.	2.6	10
3546	Interfacing Luminescent Quantum Dots with Functional Molecules for Optical Sensing Applications. Topics in Current Chemistry, 2016, 374, 65.	5.8	11
3548	Synthesis of shape and size controlled copper indium diselenide (CulnSe ₂) via extrusion of selenium from 1,2,3-selenadiazole. RSC Advances, 2016, 6, 86137-86150.	3.6	18
3549	Alternative Patterning Process for Realization of Large-Area, Full-Color, Active Quantum Dot Display. Nano Letters, 2016, 16, 6946-6953.	9.1	171
3550	Monitoring Enzymatic Proteolysis Using Either Enzyme- or Substrate-Bioconjugated Quantum Dots. Methods in Enzymology, 2016, 571, 19-54.	1.0	17
3551	Shining Light on Indium Phosphide Quantum Dots: Understanding the Interplay among Precursor Conversion, Nucleation, and Growth. Chemistry of Materials, 2016, 28, 7181-7189.	6.7	103

#	Article	IF	CITATIONS
3552	Spectroscopic and Device Aspects of Nanocrystal Quantum Dots. Chemical Reviews, 2016, 116, 10513-10622.	47.7	744
3553	Quantum Dots–Ligand Complex as Ratiometric Fluorescent Nanoprobe for Visual and Specific Detection of G-Quadruplex. Analytical Chemistry, 2016, 88, 10411-10418.	6.5	13
3554	Influence of mercaptopropionic-acid-capped CdTe quantum dots on the human chorionic gonadotropin structure and activity alterations. RSC Advances, 2016, 6, 80383-80389.	3.6	3
3555	Characterization of Indium Phosphide Quantum Dot Growth Intermediates Using MALDI-TOF Mass Spectrometry. Journal of the American Chemical Society, 2016, 138, 13469-13472.	13.7	101
3556	FRET energy transfer via Pdots improves the efficiency of photodynamic therapy and leads to rapid cell death. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 123-131.	3.8	7
3557	Ligand-free and size-controlled synthesis of oxygen vacancy-rich WO _{3â^'x} quantum dots for efficient room-temperature formaldehyde gas sensing. RSC Advances, 2016, 6, 95747-95752.	3. 6	27
3558	Enhancement of optical gain characteristics of quantum dot films by optimization of organic ligands. Journal of Materials Chemistry C, 2016, 4, 10069-10081.	5 . 5	19
3559	Pharmacokinetics of gene recombined angiogenesis inhibitor Kringle 5 in vivo using 131I specific markers and SPECT/CT. Journal of Pharmaceutical Analysis, 2016, 6, 313-317.	5. 3	2
3560	Synthesis of Nanomaterials. , 2016, , 37-80.		1
3561	Highly sensitive detection of leukemia cells based on aptamer and quantum dots. Oncology Reports, 2016, 36, 886-892.	2.6	17
3562	Fabrication of highly photoluminescent quantum dot-polymer composite micropatterned surface using thiol-ene chemistry. RSC Advances, 2016, 6, 96700-96705.	3.6	13
3563	Carbon Sphere-Polyaniline Composite: A Fluorescent Scaffold for Proliferation of Adipose Derived Stem Cells and its Cellular uptake. ChemistrySelect, 2016, 1, 3063-3070.	1.5	4
3564	Study of the Peptide-Peptide and Peptide-Protein Interactions and Their Applications in Cell Imaging and Nanoparticle Surface Modification. Springer Theses, 2016, , .	0.1	0
3565	An investigation of preparation, properties, characterization and the mechanism of zinc blende CdTe/CdS core/shell quantum dots for sensitive and selective detection of trace mercury. Journal of Materials Chemistry C, 2016, 4, 9856-9863.	5 . 5	19
3567	One-pot synthesis of quantum dot-labeled hydrophilic molecularly imprinted polymer nanoparticles for direct optosensing of folic acid in real, undiluted biological samples. Biosensors and Bioelectronics, 2016, 86, 580-587.	10.1	38
3568	Fluorescent graphene-like carbon nitrides: synthesis, properties and applications. Journal of Materials Chemistry C, 2016, 4, 8146-8160.	5.5	77
3569	Fabrication and biomedical applications of AIE active nanotheranostics through the combination of a ring-opening reaction and formation of dynamic hydrazones. Journal of Materials Chemistry B, 2016, 4, 5692-5699.	5.8	38
3570	Multifunctional and High Affinity Polymer Ligand that Provides Bio-Orthogonal Coating of Quantum Dots. Bioconjugate Chemistry, 2016, 27, 2024-2036.	3.6	50

#	Article	IF	CITATIONS
3571	MnO ₂ -induced synthesis of fluorescent polydopamine nanoparticles for reduced glutathione sensing in human whole blood. Nanoscale, 2016, 8, 15604-15610.	5.6	87
3572	Bioconjugation of quantum dots: Review & Samp; impact on future application. TrAC - Trends in Analytical Chemistry, 2016, 83, 31-48.	11.4	106
3573	Preparation and properties of magnetic Fe3O4 hollow spheres based magnetic-fluorescent nanoparticles. Journal of Alloys and Compounds, 2016, 689, 107-113.	5.5	11
3574	Super-resolution imaging for monitoring cytoskeleton dynamics. Analyst, The, 2016, 141, 5674-5688.	3.5	10
3575	Nondestructive Encapsulation of CdSe/CdS Quantum Dots in an Inorganic Matrix by Pulsed Laser Deposition. ACS Applied Materials & Samp; Interfaces, 2016, 8, 22361-22368.	8.0	6
3576	Beneficial effects of water in the colloidal synthesis of InP/ZnS core–shell quantum dots for optoelectronic applications. Nanoscale, 2016, 8, 17159-17168.	5.6	59
3577	Cationic Silicon Nanocrystals with Colloidal Stability, pHâ€Independent Positive Surface Charge and Size Tunable Photoluminescence in the Nearâ€Infrared to Red Spectral Range. Advanced Science, 2016, 3, 1500263.	11.2	10
3578	Smart Materials for Cancer Diagnosis and Treatment. , 2016, , 136-175.		0
3579	Quantum dot as probe for disease diagnosis and monitoring. Biotechnology Journal, 2016, 11, 31-42.	3.5	52
3580	Fluorescent carbon nanodots for targeted in vitro cancer cell imaging. Applied Materials Today, 2016, 4, 71-77.	4.3	58
3581	Quantum Dots., 2016,, 131-158.		7
3582	A new fluorescent sensor for detecting p-nitrophenol based on \hat{I}^2 -cyclodextrin-capped ZnO quantum dots. RSC Advances, 2016, 6, 86061-86067.	3.6	50
3583	Bandgap and Structure Engineering via Cation Exchange: From Binary Ag ₂ S to Ternary AgInS ₂ , Quaternary AgZnInS alloy and AgZnInS/ZnS Core/Shell Fluorescent Nanocrystals for Bioimaging. ACS Applied Materials & Samp; Interfaces, 2016, 8, 24826-24836.	8.0	89
3584	Fluorescent Biosensors Based on Single-Molecule Counting. Accounts of Chemical Research, 2016, 49, 1722-1730.	15.6	218
3585	Aqueous Based Semiconductor Nanocrystals. Chemical Reviews, 2016, 116, 10623-10730.	47.7	364
3586	Nitric Oxide-Releasing Biomedical Materials. , 2016, , 5716-5737.		1
3587	Colorimetric and fluorometric dual-mode detection of aniline pollutants based on spiropyran derivatives. RSC Advances, 2016, 6, 83312-83320.	3.6	13
3588	An unconventional route to fabricate highly pure α-Al ₂ O ₃ nanocrystals with tunable surface chemistry based on a semi-aromatic polyamide with pyridine rings as a functional matrix. RSC Advances, 2016, 6, 79263-79267.	3.6	4

#	ARTICLE	IF	CITATIONS
3589	Concentration and size dependence of peak wavelength shift on quantum dots in colloidal suspension. Optical Engineering, 2016, 55, 087106.	1.0	2
3590	Capping biological quantum dots with the peptide CLPFFD to increase stability and to reduce effects on cell viability. Journal of Nanoparticle Research, 2016, $18,1.$	1.9	5
3591	Nonthermal Plasma Synthesis of Nanocrystals: Fundamental Principles, Materials, and Applications. Chemical Reviews, 2016, 116, 11061-11127.	47.7	309
3592	Dispersions of polyacrolein-based multifunctional microspheres for the creation of bioanalytical and visualizing reagents. Polymer Science - Series B, 2016, 58, 385-410.	0.8	8
3593	Selective molecular recognition on calixarene-functionalized 3D surfaces. Chemical Communications, 2016, 52, 12685-12693.	4.1	63
3594	Hydrothermal synthesis of blue-fluorescent monolayer BN and BCNO quantum dots for bio-imaging probes. RSC Advances, 2016, 6, 79090-79094.	3.6	66
3595	Carbon nanoparticles for ferric ion detection and novel HFCNs–Fe ³⁺ composite for NH ₃ and F ^{â°'} estimation based on a "TURN ON―mechanism. Journal of Materials Chemistry B, 2016, 4, 5929-5937.	5.8	22
3596	Generation of MoS2 quantum dots by laser ablation of MoS2 particles in suspension and their photocatalytic activity for H2 generation. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	19
3597	Metal-based quantum dots: synthesis, surface modification, transport and fate in aquatic environments and toxicity to microorganisms. RSC Advances, 2016, 6, 78595-78610.	3.6	101
3598	Multifunctional silica-based hybrid nanoparticles for biomedical applications. Journal of the Ceramic Society of Japan, 2016, 124, 855-862.	1.1	5
3599	Efficient warm-white lighting using rare-earth-element-free fluorescent materials for saving energy, environment protection and human health. RSC Advances, 2016, 6, 111959-111965.	3.6	1
3600	Organic–inorganic nanostructures for luminescent indication in the near-infrared range. Technical Physics Letters, 2016, 42, 365-367.	0.7	10
3601	DNA-Programmed Quantum Dot Polymerization for Ultrasensitive Molecular Imaging of Cancer Cells. Analytical Chemistry, 2016, 88, 9355-9358.	6.5	45
3602	Cellulosic micelles as nanocapsules of liposoluble CdSe/ZnS quantum dots for bioimaging. Journal of Materials Chemistry B, 2016, 4, 6454-6461.	5.8	28
3603	One-pot synthesis of strongly fluorescent DNA-CulnS2 quantum dots for label-free and ultrasensitive detection of anthrax lethal factor DNA. Analytica Chimica Acta, 2016, 942, 86-95.	5.4	14
3604	Nanoparticle delivery systems for siRNA-based therapeutics. Journal of Materials Chemistry B, 2016, 4, 6620-6639.	5.8	53
3605	Modeling the band gap of CdS quantum well structures. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 415-422.	2.7	3
3606	RGDS- and TAT-Conjugated Upconversion of NaYF ₄ :Yb ³⁺ /Er ³⁺ &SiO ₂ Nanoparticles: In Vitro Human Epithelioid Cervix Carcinoma Cellular Uptake, Imaging, and Targeting. ACS Applied Materials &: Interfaces. 2016. 8. 20422-20431.	8.0	36

#	Article	IF	CITATIONS
3607	Application prospective of nanoprobes with MRI and FI dual-modality imaging on breast cancer stem cells in tumor. Journal of Nanobiotechnology, 2016, 14, 52.	9.1	18
3608	Reduced graphene oxide conjugated with CulnS2/ZnS nanocrystals with low toxicity for enhanced photothermal and photodynamic cancer therapies. Carbon, 2016, 108, 21-37.	10.3	37
3609	Confocal Raman microscopy and fluorescent in situ hybridization $\hat{a} \in A$ complementary approach for biofilm analysis. Chemosphere, 2016, 161, 112-118.	8.2	15
3610	Ultrafast Nanocrystals Decorated Micromotors for On-Site Dynamic Chemical Processes. ACS Applied Materials & Samp; Interfaces, 2016, 8, 19618-19625.	8.0	58
3611	Methods to Characterize the Oligonucleotide Functionalization of Quantum Dots. Small, 2016, 12, 4763-4771.	10.0	10
3612	Fluorescence alarming ON–OFF–ON switch derived from biocompatible carbon nanoparticle–hemoglobin–H ₂ O ₂ interaction. RSC Advances, 2016, 6, 70660-70668.	3.6	5
3613	Colloidal CdSe Quantum Rings. Journal of the American Chemical Society, 2016, 138, 9771-9774.	13.7	42
3614	CuFeS ₂ Quantum Dots and Highly Luminescent CuFeS ₂ Based Core/Shell Structures: Synthesis, Tunability, and Photophysics. Journal of the American Chemical Society, 2016, 138, 10207-10213.	13.7	80
3615	Metal Nanoparticles for Virus Detection. ChemNanoMat, 2016, 2, 927-936.	2.8	22
3616	The Role of Emission Layer Morphology on the Enhanced Performance of Lightâ€Emitting Diodes Based on Quantum Dotâ€Semiconducting Polymer Hybrids. Advanced Materials Interfaces, 2016, 3, 1600279.	3.7	33
3617	Theragnosis: Nanoparticles as a Tool for Simultaneous Therapy and Diagnosis. , 2016, , 127-152.		6
3618	A protein–dye hybrid system as a narrow range tunable intracellular pH sensor. Chemical Science, 2016, 7, 6808-6814.	7.4	25
3619	Ultrasensitive FRET-based DNA sensor using PNA/DNA hybridization. Materials Science and Engineering C, 2016, 69, 625-630.	7.3	14
3620	Surface-state dependent optical properties of OH-, F-, and H-terminated 4H-SiC quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 21676-21685.	2.8	12
3621	Magnetic nanoparticles (Fe3O4 & Samp; Co3O4) and their applications in urea biosensing. Russian Journal of Applied Chemistry, 2016, 89, 517-534.	0.5	3
3622	Excitable Oil Droplets ―FRET Across a Liquidâ€Liquid Phase Boundary. ChemistrySelect, 2016, 1, 4062-4067.	1.5	O
3623	AIE Luminogens for Visualizing Cell Structures and Functions. ACS Symposium Series, 2016, , 199-216.	0.5	9
3624	Enhanced luminescence of Au ₂₂ (SG) ₁₈ nanoclusters via rational surface engineering. Nanoscale, 2016, 8, 20008-20016.	5.6	74

#	ARTICLE	IF	CITATIONS
3625	In situ characterization of nanoparticle biomolecular interactions in complex biological media by flow cytometry. Nature Communications, 2016, 7, 13475.	12.8	136
3626	Functional biomedical hydrogels for in vivo imaging. Journal of Materials Chemistry B, 2016, 4, 7793-7812.	5.8	55
3627	Use of Carbon Nanotubes for the Analysis of Pesticide Residues in Fruits and Vegetables. Journal of AOAC INTERNATIONAL, 2016, 99, 1415-1425.	1.5	5
3628	Encapsulation of zinc-rifampicin complex into transferrin-conjugated silver quantum-dots improves its antimycobacterial activity and stability and facilitates drug delivery into macrophages. Scientific Reports, 2016, 6, 24184.	3.3	35
3629	Synthesis and application of the reduction-sensitive drug delivery system based on water-soluble ZnInAgS quantum dots. Proceedings of SPIE, 2016, , .	0.8	0
3630	Tumor cell-targeted Zn ₃ In ₂ S ₆ and Ag–Zn–In–S quantum dots for color adjustable luminophores. Journal of Materials Chemistry B, 2016, 4, 7909-7918.	5.8	44
3631	Photoelectrocatalytic enzymeless detection of glucose at reduced graphene oxide/CdS nanocomposite decorated with finny ball CoOx nanostructures. Journal of Electroanalytical Chemistry, 2016, 783, 233-241.	3.8	11
3632	Construction of biomolecular sensors based on quantum dots. RSC Advances, 2016, 6, 109009-109022.	3.6	5
3633	The nanomaterial toolkit for neuroengineering. Nano Convergence, 2016, 3, 25.	12.1	20
3634	Towards understanding the unusual photoluminescence intensity variation of ultrasmall colloidal PbS quantum dots with the formation of a thin CdS shell. Physical Chemistry Chemical Physics, 2016, 18, 31828-31835.	2.8	11
3635	Synthesis and Fluorescent Property of Biodegradable Polyphosphazene Targeting Long-Term <i>in Vivo</i> Tracking. Macromolecules, 2016, 49, 8508-8519.	4.8	16
3636	Schwefel in der modernen Materialwissenschaft. Angewandte Chemie, 2016, 128, 15712-15729.	2.0	43
3637	Sulfur and Its Role In Modern Materials Science. Angewandte Chemie - International Edition, 2016, 55, 15486-15502.	13.8	332
3638	Quantum dots–DNA bioconjugates: synthesis to applications. Interface Focus, 2016, 6, 20160064.	3.0	78
3639	Bioprospecting Potential of Marine Natural Polymers of Chitin and Chitosan., 2016,, 283-298.		0
3640	Nonclassical nucleation and growth of inorganic nanoparticles. Nature Reviews Materials, 2016, 1, .	48.7	343
3641	Overcoming Mass-Transport Limitations with Optofluidic Plasmonic Biosensors and Particle Trapping. , 2016, , 439-454.		0
3642	Chapter 2 Dendrimer-Nanoparticle Conjugates in Nanomedicine. , 2016, , 23-76.		O

#	Article	IF	CITATIONS
3643	Surface Charge Transfer Doping <i>via</i> Transition Metal Oxides for Efficient p-Type Doping of Il–VI Nanostructures. ACS Nano, 2016, 10, 10283-10293.	14.6	31
3644	His-tag based in situ labelling of progeny viruses for real-time single virus tracking in living cells. Nanoscale, 2016, 8, 18635-18639.	5.6	15
3645	Predicting signatures of anisotropic resonance energy transfer in dye-functionalized nanoparticles. RSC Advances, 2016, 6, 104648-104656.	3.6	1
3647	Colloidal quantum dots for fluorescent labels of proteins. IOP Conference Series: Materials Science and Engineering, 2016, 151, 012042.	0.6	2
3648	Catalytic Molecular Imaging of MicroRNA in Living Cells by DNAâ€Programmed Nanoparticle Disassembly. Angewandte Chemie - International Edition, 2016, 55, 3073-3076.	13.8	246
3649	Synthesis, characterization and optical properties of polymerâ€based ZnS nanocomposites. Luminescence, 2016, 31, 428-432.	2.9	21
3650	Nanoparticles in practice for molecular-imaging applications: An overview. Acta Biomaterialia, 2016, 41, 1-16.	8.3	175
3651	High-efficiency deep-red quantum-dot light-emitting diodes with type-II CdSe/CdTe core/shell quantum dots as emissive layers. Journal of Materials Chemistry C, 2016, 4, 7223-7229.	5.5	33
3652	Hydrophilic colloidal quantum dots with long peptide chain coats. Colloids and Surfaces B: Biointerfaces, 2016, 145, 662-670.	5.0	5
3653	Nanoscale Materials in Targeted Drug Delivery, Theragnosis and Tissue Regeneration. , 2016, , .		10
3654	Significant metal enhanced fluorescence of Ag ₂ S quantum dots in the second near-infrared window. Nanoscale, 2016, 8, 12869-12873.	5.6	35
3655	Quantitative uptake of colloidal particles by cell cultures. Science of the Total Environment, 2016, 568, 819-828.	8.0	35
3656	Novel biomaterials: plasma-enabled nanostructures and functions. Journal Physics D: Applied Physics, 2016, 49, 273001.	2.8	15
3657	Probing Energy and Electron Transfer Mechanisms in Fluorescence Quenching of Biomass Carbon Quantum Dots. ACS Applied Materials & Samp; Interfaces, 2016, 8, 17478-17488.	8.0	223
3658	Evidence for Fast Interlayer Energy Transfer in MoSe ₂ /WS ₂ Heterostructures. Nano Letters, 2016, 16, 4087-4093.	9.1	205
3659	Direct Synthesis of CdSe Nanocrystals with Electroactive Ligands. Chemistry of Materials, 2016, 28, 4953-4961.	6.7	7
3660	Future prospects of luminescent nanomaterial based security inks: from synthesis to anti-counterfeiting applications. Nanoscale, 2016, 8, 14297-14340.	5.6	378
3661	Characterization of amine stabilized CdSe/ZnS core–shell quantum dots by using triarylpyrylium dyes. RSC Advances, 2016, 6, 56064-56068.	3.6	8

#	Article	IF	CITATIONS
3662	Single-particle spectroscopy of l–Ill–VI semiconductor nanocrystals: spectral diffusion and suppression of blinking by two-color excitation. Nanoscale, 2016, 8, 13687-13694.	5.6	24
3663	Ru(bpy)2(phen-5-NH2)2+ doped ultrabright and photostable fluorescent silica nanoparticles. RSC Advances, 2016, 6, 51591-51597.	3.6	5
3664	Selenide and Sulfide Quantum Dots and Nanocrystals: Optical Properties. , 2016, , 319-332.		0
3665	Radiative Cascades in Semiconductor Quantum Dots. , 2016, , 333-376.		1
3666	Magnetic immunoassay platform based on the planar frequency mixing magnetic technique. Biosensors and Bioelectronics, 2016, 83, 293-299.	10.1	22
3667	Direct and Highly Selective Drug Optosensing in Real, Undiluted Biological Samples with Quantum-Dot-Labeled Hydrophilic Molecularly Imprinted Polymer Microparticles. ACS Applied Materials & Samp; Interfaces, 2016, 8, 15741-15749.	8.0	75
3668	Mastering heterostructured colloidal nanocrystal properties for light-emitting diodes and solar cells. Journal of Materials Chemistry C, 2016, 4, 6430-6446.	5 . 5	23
3669	Effects of surface modification of upconversion nanoparticles on cellular uptake and cytotoxicity. Chemical Research in Chinese Universities, 2016, 32, 474-479.	2.6	13
3670	Chemometric analysis of luminescent quantum dots systems: Long way to go but first steps taken. TrAC - Trends in Analytical Chemistry, 2016, 82, 164-174.	11.4	16
3671	Purification of quantum dot-based bioprobes via high-performance size exclusion chromatography. Talanta, 2016, 159, 64-73.	5.5	13
3672	Drastic difference in luminescence stability between amine- and thiol-capped quantum dots treated with CO ₂ . Proceedings of SPIE, 2016, , .	0.8	0
3673	Synthesis of Colloidal Quantum Dots Coated with Mercaptosuccinic Acid for Early Detection and Therapeutics of Oral Cancers. International Journal of Nanoscience, 2016, 15, 1650015.	0.7	8
3674	Magnetic nanoparticles research: a scientometric analysis of development trends and research fronts. Scientometrics, 2016, 108, 1591-1602.	3.0	14
3675	Lysosome–mitochondria-mediated apoptosis specifically evoked in cancer cells induced by gold nanorods. Nanomedicine, 2016, 11, 1993-2006.	3.3	27
3676	Nanoprecipitation of Fluorescent Conjugated Polymer onto the Surface of Plasmonic Nanoparticle for Fluorescence/Dark-Field Dual-Modality Single Particle Imaging. Analytical Chemistry, 2016, 88, 6827-6835.	6.5	23
3677	Oneâ€Pot Aqueous Synthesis of Highly Biocompatible Near Infrared CuInS ₂ Quantum Dots for Target Cell Imaging. Chinese Journal of Chemistry, 2016, 34, 576-582.	4.9	23
3678	A Highâ€Sensitivity and Lowâ€Power Theranostic Nanosystem for Cell SERS Imaging and Selectively Photothermal Therapy Using Antiâ€EGFRâ€Conjugated Reduced Graphene Oxide/Mesoporous Silica/AuNPs Nanosheets. Small, 2016, 12, 1458-1468.	10.0	89
3679	Recent advances in nanotechnologyâ€based detection and separation of circulating tumor cells. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 223-239.	6.1	45

#	ARTICLE	lF	CITATIONS
3680	Ultrasmall Organic Nanoparticles with Aggregation-Induced Emission and Enhanced Quantum Yield for Fluorescence Cell Imaging. Analytical Chemistry, 2016, 88, 7853-7857.	6.5	45
3681	Blood Clearance, Distribution, Transformation, Excretion, and Toxicity of Near-Infrared Quantum Dots Ag ₂ Se in Mice. ACS Applied Materials & Interfaces, 2016, 8, 17859-17869.	8.0	68
3682	Organic Phase Syntheses of Magnetic Nanoparticles and Their Applications. Chemical Reviews, 2016, 116, 10473-10512.	47.7	492
3683	Different applications of virusâ€ike particles in biology and medicine: Vaccination and delivery systems. Biopolymers, 2016, 105, 113-132.	2.4	106
3684	Unfolding of insulin at the surface of ZnO quantum dots. International Journal of Biological Macromolecules, 2016, 86, 169-176.	7. 5	17
3685	Ratiometric Quantum Dot–Ligand System Made by Phase Transfer for Visual Detection of Double-Stranded DNA and Single-Nucleotide Polymorphism. Analytical Chemistry, 2016, 88, 1768-1774.	6.5	29
3686	A job for quantum dots: use of a smartphone and 3D-printed accessory for all-in-one excitation and imaging of photoluminescence. Analytical and Bioanalytical Chemistry, 2016, 408, 2913-2925.	3.7	43
3687	Near-infrared fluorescence nanoprobe for enzyme-substrate system sensing and in vitro imaging. Biosensors and Bioelectronics, 2016, 79, 922-929.	10.1	35
3688	Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. Analytical Biochemistry, 2016, 498, 1-7.	2.4	5
3689	Enantioselective cellular uptake of chiral semiconductor nanocrystals. Nanotechnology, 2016, 27, 075102.	2.6	54
3691	Multimodal Micelles for Theranostic Nanomedicine. Springer Series in Biomaterials Science and Engineering, 2016, , 355-381.	1.0	1
3692	Multifunctional Mesoporous/Hollow Silica for Cancer Nanotheranostics. Springer Series in Biomaterials Science and Engineering, 2016, , 307-354.	1.0	1
3693	Effects of Pb Treatment on Optical Properties of Aqueous CdSe Quantum Dots. Industrial & Engineering Chemistry Research, 2016, 55, 99-106.	3.7	2
3694	Analysis of single nucleic acid molecules in micro- and nano-fluidics. Lab on A Chip, 2016, 16, 790-811.	6.0	29
3695	Multicolor Quantum Dot-Based Chemical Nose for Rapid and Array-Free Differentiation of Multiple Proteins. Analytical Chemistry, 2016, 88, 2051-2058.	6.5	62
3696	The surface science of nanocrystals. Nature Materials, 2016, 15, 141-153.	27.5	1,293
3697	Archean upper crust transition from mafic to felsic marks the onset of plate tectonics. Science, 2016, 351, 372-375.	12.6	349
3698	Direct observation of triplet energy transfer from semiconductor nanocrystals. Science, 2016, 351, 369-372.	12.6	336

#	Article	IF	Citations
3699	Fluorescent/magnetic micro/nano-spheres based on quantum dots and/or magnetic nanoparticles: preparation, properties, and their applications in cancer studies. Nanoscale, 2016, 8, 12406-12429.	5.6	93
3700	Curcumin and \hat{l}^2 -caryophellene attenuate cadmium quantum dots induced oxidative stress and lethality in Caenorhabditis elegans model system. Environmental Toxicology and Pharmacology, 2016, 42, 55-62.	4.0	18
3701	Optical sensing and biosensing based on non-spherical noble metal nanoparticles. Analytical and Bioanalytical Chemistry, 2016, 408, 2813-2825.	3.7	29
3702	Synthesis and Biological Applications of Quantum Dots. Nanoscience and Technology, 2016, , 505-534.	1.5	0
3703	Optical detection of magnetic nanoparticles in colloidal suspensions. Journal of Magnetism and Magnetic Materials, 2016, 402, 150-155.	2.3	9
3704	Recent developments of low-toxicity NIR II quantum dots for sensing and bioimaging. TrAC - Trends in Analytical Chemistry, 2016, 80, 149-155.	11.4	75
3705	Evolution of the Single-Nanocrystal Photoluminescence Linewidth with Size and Shell: Implications for Exciton–Phonon Coupling and the Optimization of Spectral Linewidths. Nano Letters, 2016, 16, 289-296.	9.1	133
3706	Comparative study of thermoluminescence behaviour of Gd2O3 phosphor synthesized by solid state reaction and combustion method with different exposure. Radiation Measurements, 2016, 84, 41-54.	1.4	17
3707	Controlling the spectroscopic properties of quantum dots via energy transfer and charge transfer interactions: Concepts and applications. Nano Today, 2016, 11, 98-121.	11.9	43
3708	AIE-Active Tetraphenylethylene Cross-Linked <i>N</i> -Isopropylacrylamide Polymer: A Long-Term Fluorescent Cellular Tracker. ACS Applied Materials & Samp; Interfaces, 2016, 8, 8341-8348.	8.0	80
3709	Unique optical properties and applications of hollow gold nanospheres (HGNs). Coordination Chemistry Reviews, 2016, 320-321, 18-37.	18.8	42
3710	A biofunctionalized quantum dot–nickel oxide nanorod based smart platform for lipid detection. Journal of Materials Chemistry B, 2016, 4, 2706-2714.	5.8	22
3711	Cobalt disulfide nanowires as an effective fluorescent sensing platform for DNA detection. Journal of Materials Chemistry B, 2016, 4, 2860-2863.	5 . 8	15
3712	Graphene based nanoassembly for simultaneous detection and degradation of harmful organic contaminants from aqueous solution. RSC Advances, 2016, 6, 34342-34349.	3.6	21
3713	Novel synthesis of biologically active CdS nanoclusters in cell-mimicking vesicles. Journal of Experimental Nanoscience, 2016, 11, 681-694.	2.4	3
3714	Synthesis of water-soluble core/shell CdS/ZnS nanoparticles at room temperature under ultrasonic irradiation: Potential for human serum detection. Inorganic Materials, 2016, 52, 256-261.	0.8	5
3716	Ultrasmall inorganic nanoparticles: State-of-the-art and perspectives for biomedical applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1663-1701.	3.3	238
3717	Hydrophobic-Sheath Segregated Macromolecular Fluorophores: Colloidal Nanoparticles of Polycaprolactone-Grafted Conjugated Polymers with Bright Far-Red/Near-Infrared Emission for Biological Imaging. Biomacromolecules, 2016, 17, 1673-1683.	5.4	46

#	Article	IF	CITATIONS
3718	Graphdiyne oxide as a platform for fluorescence sensing. Chemical Communications, 2016, 52, 5629-5632.	4.1	115
3719	Ratiometric fluorescence, electrochemiluminescence, and photoelectrochemical chemo/biosensing based on semiconductor quantum dots. Nanoscale, 2016, 8, 8427-8442.	5.6	277
3720	Magnetic modification of cells. , 2016, , 145-180.		4
3721	Red Fluorescent Carbon Nanoparticle-Based Cell Imaging Probe. ACS Applied Materials & Emp; Interfaces, 2016, 8, 9305-9313.	8.0	93
3722	Fluorescent Nanodiamond: A Versatile Tool for Long-Term Cell Tracking, Super-Resolution Imaging, and Nanoscale Temperature Sensing. Accounts of Chemical Research, 2016, 49, 400-407.	15.6	279
3723	Robust polymer grafted Fe 3 O 4 nanospheres for benign removal of oil from water. Applied Surface Science, 2016, 368, 27-35.	6.1	36
3724	Functional surface engineering of quantum dot hydrogels for selective fluorescence imaging of extracellular lactate release. Biosensors and Bioelectronics, 2016, 80, 315-322.	10.1	27
3725	Highly photocatalytic active thiomolybdate [Mo 3 S 13] 2â^' clusters/Bi 2 WO 6 nanocomposites. Catalysis Today, 2016, 274, 22-27.	4.4	13
3726	Recent advances in transcription factor assays in vitro. Chemical Communications, 2016, 52, 4739-4748.	4.1	19
3727	Ce (III) - Porphyrin Sandwich Complex Ce2(TPP)3: A Rod-Like Nanoparticle as a Fluorescence Turn-Off Probe for Detection of Hg (II) and Cu (II). Journal of Fluorescence, 2016, 26, 781-790.	2.5	10
3728	A pH dependence study of CdTe quantum dots fluorescence quantum yields using eclipsing thermal lens spectroscopy. Journal of Luminescence, 2016, 174, 17-21.	3.1	14
3729	Water-soluble poly(2,7-dibenzosilole) as an ultra-bright fluorescent label for antibody-based flow cytometry. Chemical Communications, 2016, 52, 4022-4024.	4.1	15
3730	Lanthanide-based luminescence biolabelling. Chemical Communications, 2016, 52, 5080-5095.	4.1	178
3731	High Quantum Yield CdSe/ZnS/CdS/ZnS Multishell Quantum Dots for Biosensing and Optoelectronic Applications. Materials Today: Proceedings, 2016, 3, 104-108.	1.8	37
3732	Effectivity of copper and cadmium sulphide nanoparticles in mitotic and meiotic cells of <i>Nigella sativa</i> L. (black cumin) $\hat{a} \in \text{``can nanoparticles act as mutagenic agents?}$. Journal of Experimental Nanoscience, 2016, 11, 823-839.	2.4	30
3733	Highly efficient quantum dot near-infrared light-emitting diodes. Nature Photonics, 2016, 10, 253-257.	31.4	361
3734	Green synthesis of highly luminescent ZnS:Mn2+ quantum dots. Journal of Materials Science: Materials in Electronics, 2016, 27, 6175-6178.	2.2	7
3735	Measuring Biological Impacts of Nanomaterials. Bioanalytical Reviews, 2016, , .	0.2	4

#	Article	IF	CITATIONS
3736	Surface Structure and Current Transport Property of Boron and Phosphorus Co-Doped Silicon Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 195-200.	3.1	23
3737	Bio-orthogonal Coupling as a Means of Quantifying the Ligand Density on Hydrophilic Quantum Dots. Journal of the American Chemical Society, 2016, 138, 3190-3201.	13.7	44
3738	Control of the Redox Activity of Quantum Dots through Introduction of Fluoroalkanethiolates into Their Ligand Shells. Journal of the American Chemical Society, 2016, 138, 2319-2326.	13.7	36
3739	Peptide-functionalized ZCIS QDs as fluorescent nanoprobe for targeted HER2-positive breast cancer cells imaging. Acta Biomaterialia, 2016, 35, 293-304.	8.3	45
3740	Fate of bone marrow mesenchymal stromal cells following autologous transplantation in a rabbit model of osteonecrosis. Cytotherapy, 2016, 18, 198-204.	0.7	15
3741	Ratiometric fluorescence sensor arrays based on quantum dots for detection of proteins. Analyst, The, 2016, 141, 2046-2052.	3.5	34
3742	Probing organic ligands and their binding schemes on nanocrystals by mass spectrometric and FT-IR spectroscopic imaging. Nanoscale, 2016, 8, 4573-4578.	5.6	21
3743	High efficient fluorescent stable colloidal sealed dye-doped mesostructured silica nanoparticles. Microporous and Mesoporous Materials, 2016, 225, 432-439.	4.4	19
3744	Application of the Hybridization Chain Reaction on Electrodes for the Amplified and Parallel Electrochemical Analysis of DNA. Journal of Physical Chemistry C, 2016, 120, 15743-15752.	3.1	20
3745	Hydrophobin-Encapsulated Quantum Dots. ACS Applied Materials & Samp; Interfaces, 2016, 8, 4887-4893.	8.0	15
3746	Aggregation-free DNA nanocage/Quantum Dot complexes based on electrostatic adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 62-67.	4.7	3
3747	Efficient One-Pot Synthesis of Colloidal Zirconium Oxide Nanoparticles for High-Refractive-Index Nanocomposites. ACS Applied Materials & Samp; Interfaces, 2016, 8, 4795-4802.	8.0	41
3748	Enhanced cell membrane enrichment and subsequent cellular internalization of quantum dots via cell surface engineering: illuminating plasma membranes with quantum dots. Journal of Materials Chemistry B, 2016, 4, 834-843.	5.8	44
3749	Relationship between structural and optical properties of colloidal Cd x Zn 1 \hat{a} x S quantum dots in gelatin. Journal of Nanophotonics, 2016, 10, 033507.	1.0	15
3750	The influence of cell penetrating peptide branching on cellular uptake of QDs. , 2016, , .		1
3751	CdSe/ZnS quantum dots induce hepatocyte pyroptosis and liver inflammation via NLRP3 inflammasome activation. Biomaterials, 2016, 90, 27-39.	11.4	121
3752	Plasmon-Enhanced Two-Photon Absorption in Photoluminescent Semiconductor Nanocrystals. ACS Photonics, 2016, 3, 526-531.	6.6	52
3753	Room-temperature Y-type emission of perylenes by encapsulation within single-walled carbon nanotubes. Nanoscale, 2016, 8, 7834-7839.	5.6	11

#	Article	IF	CITATIONS
3754	Enhanced Detection Specificity and Sensitivity of Alzheimer's Disease Using Amyloid-β-Targeted Quantum Dots. Bioconjugate Chemistry, 2016, 27, 809-814.	3.6	20
3755	Bioapplications and biotechnologies of upconversion nanoparticle-based nanosensors. Analyst, The, 2016, 141, 3601-3620.	3.5	75
3756	Design, Synthesis, and Use of MMP-2 Inhibitor-Conjugated Quantum Dots in Functional Biochemical Assays. Bioconjugate Chemistry, 2016, 27, 1067-1081.	3.6	9
3757	Fluorescent Imaging Probe from Nanoparticle Made of AIE Molecule. Journal of Physical Chemistry C, 2016, 120, 5196-5206.	3.1	33
3758	Phase Transfer and Surface Functionalization of Hydrophobic Nanoparticle using Amphiphilic Poly(amino acid). Langmuir, 2016, 32, 2798-2807.	3. 5	22
3759	Structure, Synthesis, and Application ofÂNanoparticles. , 2016, , 19-76.		12
3760	Synthesis, surface modification, and photophysical studies of Ln2O2S:Ln×33+ (Ln=Gd, Tb, Eu; Ln×3=Tb and/) Tj E	TQq0 0 0	rgBT /Overlo
3761	Nanoparticle Multivalency Directed Shifting of Cellular Uptake Mechanism. Journal of Physical Chemistry C, 2016, 120, 6778-6786.	3.1	83
3762	Inorganic Nanoparticle-Based Smart Drug Delivery Systems. , 2016, , 415-448.		2
3763	Quantum dots increased fat storage in intestine of Caenorhabditis elegans by influencing molecular basis for fatty acid metabolism. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1175-1184.	3.3	48
3764	Particles with an identity: Tracking and tracing in commodity products. Powder Technology, 2016, 291, 344-350.	4.2	52
3765	$F\tilde{A}\P$ rster resonance energy transfer mediated enhancement of the fluorescence lifetime of organic fluorophores to the millisecond range by coupling to Mn-doped CdS/ZnS quantum dots. Nanotechnology, 2016, 27, 055101.	2.6	15
3767	CdSe/ZnS quantum dots as sensors for the local refractive index. Nanoscale, 2016, 8, 2317-2325.	5.6	37
3768	Enhanced upconversion luminescence through core/shell structures and its application for detecting organic dyes in opaque fishes. Photochemical and Photobiological Sciences, 2016, 15, 260-265.	2.9	17
3769	Multifunctional Quantum Dot-Based Nanoscale Modalities for Theranostic Applications. Springer Series in Biomaterials Science and Engineering, 2016, , 197-216.	1.0	0
3770	Excitation wavelength-induced color-tunable and white-light emissions in lanthanide(<scp>iii</scp>) coordination polymers constructed using an environment-dependent luminescent tetrazolateâ€"dicarboxylate ligand. CrystEngComm, 2016, 18, 721-727.	2.6	43
3771	The application of quantum dots in aquaculture pollution detection. Toxicological and Environmental Chemistry, 2016, 98, 385-394.	1.2	9
3772	An impedimetric aptasensor based on water soluble cadmium telluride (CdTe) quantum dots (QDs) for detection of ibuprofen. Journal of Electroanalytical Chemistry, 2016, 763, 18-24.	3.8	25

#	Article	IF	CITATIONS
3773	Carbohydrates in Supramolecular Chemistry. Chemical Reviews, 2016, 116, 1693-1752.	47.7	217
3774	Quantum Dot-Based Luminescent Oxygen Channeling Assay for Potential Application in Homogeneous Bioassays. Journal of Fluorescence, 2016, 26, 317-322.	2.5	6
3775	Tracking single viruses infecting their host cells using quantum dots. Chemical Society Reviews, 2016, 45, 1211-1224.	38.1	106
3776	Photophysicochemical properties and in vitro cytotoxicity of zinc tetracarboxyphenoxy phthalocyanine $\hat{a} \in \text{``quantum dot nanocomposites. Polyhedron, 2016, 106, 92-100.}$	2.2	15
3777	Optofluidic FRET lasers using aqueous quantum dots as donors. Lab on A Chip, 2016, 16, 353-359.	6.0	33
3778	Fabrication of CdSe sensitized SnO 2 nanofiber quantum dot solar cells. Materials Science in Semiconductor Processing, 2016, 41, 370-377.	4.0	14
3779	Diagnostic and Therapeutic Applications of Quantum Dots in Nanomedicine. Topics in Current Chemistry, 2016, 370, 203-224.	4.0	26
3780	A high quality liquid-type quantum dot white light-emitting diode. Nanoscale, 2016, 8, 1117-1122.	5.6	58
3781	CdS/ZnS nanocomposites: from mechanochemical synthesis to cytotoxicity issues. Materials Science and Engineering C, 2016, 58, 1016-1023.	7.3	34
3782	Bioengineered quantum dot/chitosan-tripeptide nanoconjugates for targeting the receptors of cancer cells. International Journal of Biological Macromolecules, 2016, 82, 780-789.	7.5	36
3783	Advances in the application of QD-based intracellular sensing systems. Applied Spectroscopy Reviews, 2016, 51, 162-181.	6.7	4
3784	Direct characterization of polymer encapsulated CdSe/CdS/ZnS quantum dots. Surface Science, 2016, 648, 339-344.	1.9	23
3785	Phase transfer of oleic acid stabilized rod-shaped anatase TiO2 nanocrystals. Surface Science, 2016, 648, 333-338.	1.9	7
3786	Selective and sensitive determination of cypermethrin in fish via enzyme-linked immunosorbent assay-like method based on molecularly imprinted artificial antibody-quantum dot optosensing materials. Biosensors and Bioelectronics, 2016, 75, 34-40.	10.1	49
3787	Use of quantum dots as mass and fluorescence labels in microarray biosensing. Talanta, 2016, 147, 397-401.	5.5	11
3788	Fluorescence-marked mesoporous silica core–shell nanocatalyst for asymmetric transfer hydrogenation. Sensors and Actuators B: Chemical, 2016, 224, 333-337.	7.8	1
3789	Synthesis and characterization of near-infrared fluorescent and magnetic iron zero-valent nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 315, 1-7.	3.9	9
3790	Green synthesis of carbon dots from prawn shells for highly selective and sensitive detection of copper ions. Sensors and Actuators B: Chemical, 2016, 224, 396-403.	7.8	240

#	Article	IF	CITATIONS
3791	The influence of reaction times on structural, optical and luminescence properties of cadmium telluride nanoparticles prepared by wet-chemical process. Physica B: Condensed Matter, 2016, 480, 125-130.	2.7	8
3793	Functionalized Chitosan: A Quantum Dot-Based Approach for Regenerative Medicine. Springer Series on Polymer and Composite Materials, 2016, , 297-349.	0.7	1
3794	Upconversion fluorescence resonance energy transfer—a novel approach for sensitive detection of fluoroquinolones in water samples. Microchemical Journal, 2016, 124, 181-187.	4.5	34
3795	Utilising inorganic nanocarriers for gene delivery. Biomaterials Science, 2016, 4, 70-86.	5.4	297
3796	Simple synthesis of carboxyl-functionalized upconversion nanoparticles for biosensing and bioimaging applications. Talanta, 2016, 147, 207-212.	5.5	31
3797	Design and preparation of quantum dots fluorescent probes for in situ identification of Microthrix parvicella in bulking sludge. Applied Microbiology and Biotechnology, 2016, 100, 961-968.	3.6	9
3798	CdTe quantum dots as fluorescent probes to study transferrin receptors in glioblastoma cells. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 28-35.	2.4	41
3799	Theragnosis-based combined cancer therapy using doxorubicin-conjugated microRNA-221 molecular beacon. Biomaterials, 2016, 74, 109-118.	11.4	18
3800	Blu-ray optomagnetic measurement based competitive immunoassay for Salmonella detection. Biosensors and Bioelectronics, 2016, 77, 32-39.	10.1	36
3801	Multiplexed detection of influenza A virus subtype H5 and H9 via quantum dot-based immunoassay. Biosensors and Bioelectronics, 2016, 77, 464-470.	10.1	80
3802	Reviewâ€"Quantum Dots and Their Application in Lighting, Displays, and Biology. ECS Journal of Solid State Science and Technology, 2016, 5, R3019-R3031.	1.8	88
3803	Simultaneous ligand and cation exchange in PbSe/CdSe nanocrystal films. Chemical Physics, 2016, 471, 69-74.	1.9	3
3804	Potassium sodium tartrate-assisted hydrothermal synthesis of BaLuF5:Yb3+/Er3+ nanocrystals. Particuology, 2016, 24, 164-169.	3.6	9
3805	Energy Transfer with Semiconductor Quantum Dot Bioconjugates: A Versatile Platform for Biosensing, Energy Harvesting, and Other Developing Applications. Chemical Reviews, 2017, 117, 536-711.	47.7	575
3806	Strong Fluorescence Enhancement with Silica-Coated Au Nanoshell Dimers. Plasmonics, 2017, 12, 263-269.	3.4	5
3807	Spectroscopic investigation of waterâ€soluble alloyed QDs with bovine serum albumin. Luminescence, 2017, 32, 35-42.	2.9	8
3808	Chiroptical luminescent nanostructured cellulose films. Materials Chemistry Frontiers, 2017, 1, 979-987.	5.9	51
3809	Shape-Controlled Synthesis of CdSe Nanocrystals via a Programmed Microfluidic Process. Journal of Physical Chemistry C, 2017, 121, 3567-3572.	3.1	23

#	Article	IF	CITATIONS
3810	Enzyme responsive nucleotide functionalized silver nanoparticles with effective antimicrobial and anticancer activity. New Journal of Chemistry, 2017, 41, 1538-1548.	2.8	37
3811	Medically translatable quantum dots for biosensing and imaging. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2017, 30, 51-70.	11.6	53
3812	Interaction and bioconjugation of CdSe/ZnS core/shell quantum dots with maltose-binding protein. Computational and Theoretical Chemistry, 2017, 1101, 96-101.	2.5	4
3813	Ultrabright fluorescent silica particles with a large number of complex spectra excited with a single wavelength for multiplex applications. Nanoscale, 2017, 9, 4881-4890.	5.6	11
3814	Color-tunable fluorescent nanoparticles encapsulating trialkylsilyl-substituted pyrene liquids. Journal of Materials Chemistry C, 2017, 5, 2142-2148.	5.5	23
3815	Attomole Antigen Detection Using Self-Electrochemiluminous Graphene Oxide-Capped Au@L012 Nanocomposite. Analytical Chemistry, 2017, 89, 2418-2423.	6.5	31
3816	Specific Photothermal Ablation Therapy of Endometriosis by Targeting Delivery of Gold Nanospheres. Small, 2017, 13, 1603270.	10.0	23
3817	Optical Properties of Quantum Dot Nano-composite Materials Studied by Solid-State Theory Calculations., 2017,, 1259-1295.		0
3818	Relaxometric property of organosilica nanoparticles internally functionalized with iron oxide and fluorescent dye for multimodal imaging. Journal of Colloid and Interface Science, 2017, 492, 127-135.	9.4	17
3819	Colloidal quantum-dots surface and device structure engineering for high-performance light-emitting diodes. National Science Review, 2017, 4, 170-183.	9.5	98
3820	Optimization of nanoparticle focusing by coupling thermophoresis and engineered vortex in a microfluidic channel. Journal of Applied Physics, 2017, 121, .	2.5	6
3821	Non-injection and one-pot approach to CdSe: Eu3+ hybrid nanocrystals with tunable photoluminescence from green to red. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	3
3822	Quantum dot probes for cellular analysis. Analytical Methods, 2017, 9, 2621-2632.	2.7	25
3823	Cancer-Microenvironment-Sensitive Activatable Quantum Dot Probe in the Second Near-Infrared Window. Nano Letters, 2017, 17, 1378-1386.	9.1	87
3824	Determination of cDNA encoding BCR/ABL fusion gene in patients with chronic myelogenous leukemia using a novel FRET-based quantum dots-DNA nanosensor. Analytica Chimica Acta, 2017, 966, 62-70.	5.4	13
3825	Molecular Engineering and Design of Semiconducting Polymer Dots with Narrow-Band, Near-Infrared Emission for <i>in Vivo</i> Biological Imaging. ACS Nano, 2017, 11, 3166-3177.	14.6	112
3826	Semiconductor quantum dot toxicity in a mouse in vivo model. Journal of Physics: Conference Series, 2017, 784, 012013.	0.4	3
3827	Delivery of Liposomal Quantum Dots <i>via</i> Monocytes for Imaging of Inflamed Tissue. ACS Nano, 2017, 11, 3038-3051.	14.6	38

#	Article	IF	CITATIONS
3828	Identification and visualization of the intellectual structure and the main research lines in nanoscience and nanotechnology at the worldwide level. Journal of Nanoparticle Research, 2017, 19, 62.	1.9	32
3829	Near-infrared excitation of CdTe quantum dots based on fluorescence resonance energy transfer and their use as fluorescent sensors. Sensors and Actuators B: Chemical, 2017, 246, 127-135.	7.8	37
3830	InP Nanocrystals with Color-Tunable Luminescence by Microwave-Assisted Ionic-Liquid Etching. Chemistry of Materials, 2017, 29, 2101-2109.	6.7	24
3831	Modification of emission photon statistics from single quantum dots using metal/SiO2 core/shell nanostructures. Photochemical and Photobiological Sciences, 2017, 16, 489-498.	2.9	10
3832	Colloidal silicon quantum dots: from preparation to the modification of self-assembled monolayers for bioimaging and sensing applications. , 2017, , .		3
3834	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. Advanced Materials, 2017, 29, 1700244.	21.0	186
3835	$F\tilde{A}\P$ rster resonance energy transfer between <i>$\hat{l}\pm$</i> -Bi ₂ O ₃ nanorods and rhodamine 6G in aqueous media for turn-off glucose-sensing application. Journal Physics D: Applied Physics, 2017, 50, 145107.	2.8	3
3836	A photostable triphenylamine-based flavonoid dye: Solvatochromism, aggregation-induced emission enhancement, fabrication of organic nanodots, and cell imaging applications. Dyes and Pigments, 2017, 142, 32-38.	3.7	26
3837	CdTe quantum dots linked to Glutathione as a bridge for protein crosslinking. Journal of Luminescence, 2017, 187, 193-200.	3.1	12
3838	Undec-10-enoic acid functionalized chitosan based novel nano-conjugate: An enhanced anti-bacterial/biofilm and anti-cancer potential. Carbohydrate Polymers, 2017, 166, 14-23.	10.2	22
3839	A general and facile approach to disperse hydrophobic nanocrystals in water with enhanced long-term stability. Journal of Materials Chemistry C, 2017, 5, 3065-3071.	5.5	9
3840	Analytical model of plasmonic resonance from multiple core-shell nanoparticles. Optical Engineering, 2017, 56, 121903.	1.0	20
3841	External field-assisted laser ablation in liquid: An efficient strategy for nanocrystal synthesis and nanostructure assembly. Progress in Materials Science, 2017, 87, 140-220.	32.8	275
3842	Addition of Fluorescence Lifetime Spectroscopy to the Tool Kit Used to Study the Formation and Degradation of Luminescent Quantum Dots in Solution. Langmuir, 2017, 33, 3018-3027.	3.5	9
3843	Peptide mediated intracellular delivery of semiconductor quantum dots., 2017,,.		0
3844	Twoâ€Color Emitting Colloidal Nanocrystals as Singleâ€Particle Ratiometric Probes of Intracellular pH. Advanced Functional Materials, 2017, 27, 1605533.	14.9	30
3845	Distance-dependent magnetic resonance tuning as a versatile MRI sensing platform for biologicalÂtargets. Nature Materials, 2017, 16, 537-542.	27.5	125
3846	Type-I to Type-II Transformation of Hybrid Quantum Nanostructures. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-7.	2.9	0

#	Article	IF	CITATIONS
3847	Photoluminescent Ti ₃ C ₂ MXene Quantum Dots for Multicolor Cellular Imaging. Advanced Materials, 2017, 29, 1604847.	21.0	692
3848	Dimethyl Labeling Coupled with Mass Spectrometry for Topographical Characterization of Primary Amines on Monoclonal Antibodies. Analytical Chemistry, 2017, 89, 4255-4263.	6.5	17
3849	Fluorescent nanosensors: rapid tool for detection of food contaminants. , 2017, , 841-874.		4
3850	Cellular Applications of Semiconductor Quantum Dots at the U.S. Naval Research Laboratory: 2006–2016. Reviews in Fluorescence, 2017, , 203-242.	0.5	0
3851	Spectroscopic Properties of a Family of Mono- to Trinuclear Lanthanide Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 2122-2129.	2.0	8
3852	Deformation-induced blueshift in emission spectrum of CdTe quantum dot composites. Composites Part B: Engineering, 2017, 120, 54-62.	12.0	6
3853	Blueâ€Emitting Electronâ€Donor/Acceptor Dyads for Nakedâ€Eye Fluorescence Detection of Singlet Oxygen. ChemPhotoChem, 2017, 1, 299-303.	3.0	6
3854	N,S co-doped carbon dots as a stable bio-imaging probe for detection of intracellular temperature and tetracycline. Journal of Materials Chemistry B, 2017, 5, 3293-3299.	5 . 8	117
3855	Tunable narrow emission in ZnS/CdS/ZnS quantum well structures prepared by aqueous route. Optical Materials, 2017, 69, 23-29.	3.6	13
3856	Functional hybrid nanostructure materials: Advanced strategies for sensing applications toward volatile organic compounds. Coordination Chemistry Reviews, 2017, 342, 80-105.	18.8	69
3857	Chiral recognition of phenylglycinol enantiomers based on N-acetyl-l-cysteine capped CdTe quantum dots in the presence of Ag+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 23-29.	3.9	13
3858	Monodisperse Hexagonal Pyramidal and Bipyramidal Wurtzite CdSe-CdS Core–Shell Nanocrystals. Chemistry of Materials, 2017, 29, 4097-4108.	6.7	59
3859	Ultra-weak chemiluminescence enhanced by facilely synthesized nitrogen-rich quantum dots through chemiluminescence resonance energy transfer and electron hole injection. Chemical Communications, 2017, 53, 5657-5660.	4.1	77
3860	All-organic luminescent nanodots from corannulene and cyclodextrin nano-assembly: continuous-flow synthesis, non-linear optical properties, and bio-imaging applications. Materials Chemistry Frontiers, 2017, 1, 831-837.	5.9	15
3861	Supramolecular conjugated polymer materials for organelle imaging in living cells. Materials Chemistry Frontiers, 2017, 1, 1768-1772.	5.9	7
3862	Single-walled carbon nanotubes as optical probes for bio-sensing and imaging. Journal of Materials Chemistry B, 2017, 5, 6511-6522.	5.8	102
3863	General Dialdehyde Click Chemistry for Amine Bioconjugation. Bioconjugate Chemistry, 2017, 28, 1422-1433.	3.6	19
3864	InN/InGaN quantum dot electrochemical devices: new solutions for energy and health. National Science Review, 2017, 4, 184-195.	9.5	15

#	Article	IF	CITATIONS
3865	Preparation of Photostable Fluorescent InP/ZnS Quantum Dots Embedded in TMAS-Derived Silica. ECS Journal of Solid State Science and Technology, 2017, 6, R75-R80.	1.8	19
3866	Determination of strobilurin fungicide residues in fruits and vegetables by nonaqueous micellar electrokinetic capillary chromatography with indirect laserâ€induced fluorescence. Electrophoresis, 2017, 38, 2004-2010.	2.4	18
3867	Novel agents for sperm purification, sorting, and imaging. Molecular Reproduction and Development, 2017, 84, 832-841.	2.0	34
3868	Roles of nitrogen functionalities in enhancing the excitation-independent green-color photoluminescence of graphene oxide dots. Nanoscale, 2017, 9, 8256-8265.	5.6	25
3869	Photonic crystal materials and their application in biomedicine. Drug Delivery, 2017, 24, 775-780.	5.7	42
3870	Structural, electronic, and optical properties of hexagonal and triangular SiC NWs with different diameters. Chinese Physics B, 2017, 26, 047309.	1.4	7
3871	Hyaluronan-Inorganic Nanohybrid Materials for Biomedical Applications. Biomacromolecules, 2017, 18, 1677-1696.	5.4	66
3872	Photoluminescence Enhancement of Silicon Quantum Dot Monolayer by Double Resonance Plasmonic Substrate. Journal of Physical Chemistry C, 2017, 121, 11609-11615.	3.1	24
3873	Magnetic sensing platform technologies for biomedical applications. Lab on A Chip, 2017, 17, 1884-1912.	6.0	99
3874	"Quantized―Doping of Individual Colloidal Nanocrystals Using Size-Focused Metal Quantum Clusters. ACS Nano, 2017, 11, 6233-6242.	14.6	21
3875	Light-Induced Fluorescence Modulation of Quantum Dot-Crystal Violet Conjugates: Stochastic Off–On–Off Cycles for Multicolor Patterning and Super-Resolution. Journal of the American Chemical Society, 2017, 139, 7603-7615.	13.7	24
3876	Fabrication and biological applications of luminescent polyamidoamine dendrimers with aggregation-induced emission feature. Journal of the Taiwan Institute of Chemical Engineers, 2017, 75, 292-298.	5.3	9
3877	Towards clinically translatable in vivo nanodiagnostics. Nature Reviews Materials, 2017, 2, .	48.7	255
3878	Oligomerization enhances the binding affinity of a silver biomineralization peptide and catalyzes nanostructure formation. Scientific Reports, 2017, 7, 1400.	3.3	14
3879	Fluorescence quenching study on the interaction of ferroferric oxide nanoparticles with bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 184, 191-197.	3.9	69
3880	Top-down fabrication meets bottom-up synthesis for nanoelectronic barcoding of microparticles. Lab on A Chip, 2017, 17, 1939-1947.	6.0	28
3881	Large-Scale Synthesis of Highly Luminescent InP@ZnS Quantum Dots Using Elemental Phosphorus Precursor. Chemistry of Materials, 2017, 29, 4236-4243.	6.7	65
3882	Patterning and fluorescence tuning of quantum dots with haptic-interfaced bubble printing. Journal of Materials Chemistry C, 2017, 5, 5693-5699.	5.5	30

#	Article	IF	CITATIONS
3883	Gb/s Visible Light Communications With Colloidal Quantum Dot Color Converters. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-10.	2.9	25
3884	Design of multifunctional liposome-quantum dot hybrid nanocarriers and their biomedical application. Journal of Drug Targeting, 2017, 25, 661-672.	4.4	25
3885	Eliminating the Animal Species Constraints in Antibody Selection for Multicolor Immunoassays. Bioconjugate Chemistry, 2017, 28, 1499-1504.	3.6	0
3886	Immobilization of pH-sensitive CdTe Quantum Dots in a Poly(acrylate) Hydrogel for Microfluidic Applications. Nanoscale Research Letters, 2017, 12, 314.	5.7	16
3887	Design and Applications of Nanoparticles in Biomedical Imaging. , 2017, , .		15
3888	Ultrasensitive QDs based electrochemiluminescent immunosensor for detecting ractopamine using AuNPs and Au nanoparticles@PDDA-graphene as amplifier. Sensors and Actuators B: Chemical, 2017, 243, 121-129.	7.8	53
3889	One bioprobe: a fluorescent and AIE-active macromolecule; two targets: nucleolus and mitochondria with long term tracking. Journal of Materials Chemistry B, 2017, 5, 655-660.	5.8	24
3890	Quantum dots use both LUMO and surface trap electrons in photoreduction process. Journal of Luminescence, 2017, 183, 401-409.	3.1	8
3891	Nanostructure Introduces Artifacts in Quantitative Immunofluorescence by Influencing Fluorophore Intensity. Scientific Reports, 2017, 7, 427.	3.3	7
3892	Synthesis of Water-Soluble Ag ₂ S Quantum Dots with Fluorescence in the Second Near-Infrared Window for Turn-On Detection of Zn(II) and Cd(II). Analytical Chemistry, 2017, 89, 6616-6623.	6.5	78
3893	$Zn < sub > 1\hat{a}^* < i > x < / i > < / sub > Gd < i > < sub > x < / sub > < / i > S (< i > x < / i > = 0.1, 0.2 and 0.3) nanoparticles for magnetic resonance imaging and optical fluorescence imaging. Materials Research Express, 2017, 4, 035030.$	1.6	2
3894	Expanded Quantum Dot-Based Concentric F \tilde{A} ¶rster Resonance Energy Transfer: Adding and Characterizing Energy-Transfer Pathways for Triply Multiplexed Biosensing. Journal of Physical Chemistry C, 2017, 121, 13345-13356.	3.1	26
3895	1,4-Bis(2-(pyridin-4-yl)vinyl)naphthalene and Its Zinc(II) Coordination Polymers: Synthesis, Structural Characterization, and Selective Luminescent Sensing of Mercury(II) Ion. Crystal Growth and Design, 2017, 17, 3948-3959.	3.0	65
3896	Highly stable red-emitting polymer dots for cellular imaging. Nanotechnology, 2017, 28, 285102.	2.6	8
3897	Multiplexed fluorescence detection of microRNAs based on novel distinguishable quantum dot signal probes by cycle amplification strategy. Sensors and Actuators B: Chemical, 2017, 252, 1026-1034.	7.8	26
3898	A Mg-CP with <i>in Situ</i> Encapsulated Photochromic Guest as Sensitive Fluorescence Sensor for Fe ³⁺ /Cr ³⁺ Ions and Nitro-Explosives. Inorganic Chemistry, 2017, 56, 7397-7403.	4.0	7 3
3899	Designing Transmitter Ligands That Mediate Energy Transfer between Semiconductor Nanocrystals and Molecules. Journal of the American Chemical Society, 2017, 139, 9412-9418.	13.7	130
3900	Organized assemblies of AOT determine nanoparticle characteristics and their performance as FRET donors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 528, 10-22.	4.7	2

#	Article	IF	CITATIONS
3901	Real-Time Imaging of Endocytosis and Intracellular Trafficking of Semiconducting Polymer Dots. ACS Applied Materials & Samp; Interfaces, 2017, 9, 21200-21208.	8.0	36
3902	Controlled Dopant Migration in CdS/ZnS Core/Shell Quantum Dots. Journal of the American Chemical Society, 2017, 139, 8878-8885.	13.7	90
3903	A single quantum dot-based nanosensor for the signal-on detection of DNA methyltransferase. Chemical Communications, 2017, 53, 6868-6871.	4.1	51
3904	CdS/ZnS core–shell nanocrystal photosensitizers for visible to UV upconversion. Chemical Science, 2017, 8, 5488-5496.	7.4	98
3905	Light-induced self-assembly of bi-color CdTe quantum dots allows the discrimination of multiple proteins. Journal of Materials Chemistry B, 2017, 5, 5745-5752.	5.8	6
3906	Decay-to-Recovery Behavior and on–off Recovery of Photoluminescence Intensity from Core/Shell Quantum Dots. ACS Photonics, 2017, 4, 1691-1704.	6.6	10
3907	Se powder as precursor without solubilization for Mn-doped ZnSe QDs: Fast synthesis and analytical characterization. Microchemical Journal, 2017, 134, 191-196.	4.5	7
3908	Organic-to-aqueous phase transfer of Zn–Cu–In–Se/ZnS quantum dots with multifunctional multidentate polymer ligands for biomedical optical imaging. New Journal of Chemistry, 2017, 41, 5387-5394.	2.8	18
3909	Efficient Charge Extraction from CdSe/ZnSe Dots-on-Plates Nanoheterostructures. ACS Omega, 2017, 2, 2231-2237.	3.5	12
3910	Application of nanocomposite polymer hydrogels for ultra-sensitive fluorescence detection of proteins in gel electrophoresis. TrAC - Trends in Analytical Chemistry, 2017, 93, 7-22.	11.4	18
3911	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
3912	Transparent Ultra-High-Loading Quantum Dot/Polymer Nanocomposite Monolith for Gamma Scintillation. ACS Nano, 2017, 11, 6422-6430.	14.6	100
3913	Amineâ€Functionalized Silica Nanoparticles Incorporating Covalently Linked Visibleâ€Lightâ€Excitable Eu ³⁺ Complexes: Synthesis, Characterization, and Cellâ€Uptake Studies. European Journal of Inorganic Chemistry, 2017, 2017, 3205-3213.	2.0	11
3914	Studies on Orpiment (As2S3) Quantum Dots and their Self-Assemblies. Australian Journal of Chemistry, 2017, 70, 1093.	0.9	1
3915	Chalcogenide mechanochemistry in materials science: insight into synthesis and applications (a) Tj ETQq0 0 0 rgE	3T / Overloo	ck_10 Tf 50 1
3916	X-ray-Activated Near-Infrared Persistent Luminescent Probe for Deep-Tissue and Renewable in Vivo Bioimaging. ACS Applied Materials & Samp; Interfaces, 2017, 9, 22132-22142.	8.0	97
3917	Ultrasmall Conjugated Polymer Nanoparticles with High Specificity for Targeted Cancer Cell Imaging. Advanced Science, 2017, 4, 1600407.	11.2	40
3918	Influence of Surface Charge of the Nanostructures on the Biocatalytic Activity. Langmuir, 2017, 33, 6611-6619.	3.5	15

#	Article	IF	Citations
3919	Structural-functional analysis of engineered protein-nanoparticle assemblies using graphene microelectrodes. Chemical Science, 2017, 8, 5329-5334.	7.4	4
3920	Bright X-ray and up-conversion nanophosphors annealed using encapsulated sintering agents for bioimaging applications. Journal of Materials Chemistry B, 2017, 5, 5412-5424.	5.8	17
3921	Enantioselective cytotoxicity of ZnS:Mn quantum dots in A549 cells. Chirality, 2017, 29, 403-408.	2.6	25
3922	Doubly Resonant Photonic Antenna for Single Infrared Quantum Dot Imaging at Telecommunication Wavelengths. Nano Letters, 2017, 17, 2152-2158.	9.1	18
3923	Multivalency Effect of TAT-Peptide-Functionalized Nanoparticle in Cellular Endocytosis and Subcellular Trafficking. Journal of Physical Chemistry B, 2017, 121, 2942-2951.	2.6	51
3924	Application of Carbon-Based Nanomaterials as Biosensor. , 2017, , 87-127.		7
3925	Different Synthesis Process of Carbon Nanomaterials for Biological Applications. , 2017, , 1-41.		6
3926	Covering the optical spectrum through collective rare-earth doping of NaGdF ₄ nanoparticles: 806 and 980 nm excitation routes. Physical Chemistry Chemical Physics, 2017, 19, 11825-11834.	2.8	33
3927	In situ synthesis of cylindrical spongy polypyrrole doped protonated graphitic carbon nitride for cholesterol sensing application. Biosensors and Bioelectronics, 2017, 94, 686-693.	10.1	87
3928	Optical measurement of receptor tyrosine kinase oligomerization on live cells. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1436-1444.	2.6	13
3929	Exploring the influence of MPA apped CdTe quantum dots on the structure and function of lysozyme probing by spectroscopic and calorimetric methods. Journal of Biochemical and Molecular Toxicology, 2017, 31, N/A.	3.0	7
3930	Anti-Tumor Effect of a Novel DOX/GA-CdTe QD was Mediated by Apoptotic and Autophagic Cell Death. Nano, 2017, 12, 1750011.	1.0	1
3931	Smart NIR linear and nonlinear optical nanomaterials for cancer theranostics: Prospects in photomedicine. Progress in Materials Science, 2017, 88, 89-135.	32.8	84
3932	Rapid exfoliation of layered covalent triazine-based frameworks into N-doped quantum dots for the selective detection of Hg ²⁺ ions. Journal of Materials Chemistry A, 2017, 5, 9272-9278.	10.3	76
3933	Probing the binding affinity of plasma proteins adsorbed on Au nanoparticles. Nanoscale, 2017, 9, 4787-4792.	5.6	77
3934	Electrostatically driven resonance energy transfer in "cationic―biocompatible indium phosphide quantum dots. Chemical Science, 2017, 8, 3879-3884.	7.4	55
3935	Dualâ€Physical Crossâ€Linked Tough and Photoluminescent Hydrogels with Good Biocompatibility and Antibacterial Activity. Macromolecular Rapid Communications, 2017, 38, 1600788.	3.9	53
3936	Designing the morphology of PbS nanoparticles through a single source precursor method. Journal of Saudi Chemical Society, 2017, 21, 593-598.	5.2	19

#	Article	IF	Citations
3937	Arginine-modified carbon dots probe for live cell imaging and sensing by increasing cellular uptake efficiency. Materials Science and Engineering C, 2017, 76, 350-355.	7.3	28
3938	Delayed Molecular Triplet Generation from Energized Lead Sulfide Quantum Dots. Journal of Physical Chemistry Letters, 2017, 8, 1458-1463.	4.6	78
3939	Near-Infrared Light-Responsive Semiconductor Polymer Composite Hydrogels: Spatial/Temporal-Controlled Release via a Photothermal "Sponge―Effect. ACS Applied Materials & Samp; Interfaces, 2017, 9, 13602-13610.	8.0	49
3940	Combinatorial optimization of the atomic compositions for green-emitting YBO ₃ :Ce ³⁺ ,Tb ³⁺ and red-emitting YBO ₃ :Ce ³⁺ ,Tb ³⁺ ,Eu ³⁺ phosphors using a microplate reader. RSC Advances. 2017. 7. 17586-17592.	3.6	18
3941	Intracellular Delivery of Luminescent Quantum Dots Mediated by a Virus-Derived Lytic Peptide. Bioconjugate Chemistry, 2017, 28, 64-74.	3.6	12
3942	Fluorophores-modified nanomaterials for trace detection of polychlorobiphenyls and heavy metal ions. Sensors and Actuators B: Chemical, 2017, 243, 1137-1147.	7.8	17
3943	Image-guided nanomedicine for cancer. Journal of Pharmaceutical Investigation, 2017, 47, 51-64.	5.3	19
3944	Phloridzin promotes the growth of Fusarium moniliforme (Fusarium verticillioides). Scientia Horticulturae, 2017, 214, 187-194.	3.6	24
3945	Understanding the effect of size and shape of gold nanomaterials on nanometal surface energy transfer. Journal of Colloid and Interface Science, 2017, 491, 349-357.	9.4	33
3946	Collagen-based silver nanoparticles: Study on cell viability, skin permeation, and swelling inhibition. Materials Science and Engineering C, 2017, 74, 382-388.	7.3	10
3947	Assessment of CdS quantum dots effect on UV damage to DNA using a DNA/quantum dots structured electrochemical biosensor and DNA biosensing in solution. Sensors and Actuators B: Chemical, 2017, 243, 435-444.	7.8	18
3948	Large scale syntheses of colloidal nanomaterials. Nano Today, 2017, 12, 46-63.	11.9	69
3949	Recent Advances in Inorganic Nanoparticle-Based NIR Luminescence Imaging: Semiconductor Nanoparticles and Lanthanide Nanoparticles. Bioconjugate Chemistry, 2017, 28, 115-123.	3.6	69
3950	Use of quantum dot beads-labeled monoclonal antibody to improve the sensitivity of a quantitative and simultaneous immunochromatographic assay for neuron specific enolase and carcinoembryonic antigen. Talanta, 2017, 164, 463-469.	5.5	61
3951	Enzyme-Triggered Defined Protein Nanoarrays: Efficient Light-Harvesting Systems to Mimic Chloroplasts. ACS Nano, 2017, 11, 938-945.	14.6	71
3952	Simultaneous quantitation of cytokeratin-19 fragment and carcinoembryonic antigen in human serum via quantum dot-doped nanoparticles. Biosensors and Bioelectronics, 2017, 91, 60-65.	10.1	85
3953	One-pot synthesis of gradient interface quaternary ZnCdSSe quantum dots. Applied Surface Science, 2017, 415, 19-23.	6.1	11
3954	Bioconjugated Nanoparticles for Biosensing, in Vivo Imaging, and Medical Diagnostics. Analytical Chemistry, 2017, 89, 1015-1031.	6.5	120

#	Article	IF	CITATIONS
3955	First Example of Nonlinear Optical Materials Based on Nanoconjugates of Sandwich Phthalocyanines with Quantum Dots. Chemistry - A European Journal, 2017, 23, 2820-2830.	3.3	70
3956	Optimization of conditions for cadmium selenide quantum dot biosynthesis in Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 2017, 101, 2735-2745.	3.6	26
3957	Ultrafast Emission Decay and Enhancement of Blinking of Single Quantum Dots in the Presence of Silicon and Metal/Metal Oxide Structures. Journal of Physical Chemistry C, 2017, 121, 931-939.	3.1	1
3958	Immuno-characterization of Exosomes Using Nanoparticle Tracking Analysis. Methods in Molecular Biology, 2017, 1545, 35-42.	0.9	23
3959	Zwitterionic BODIPYs with large stokes shift: small molecular biomarkers for live cells. Chemical Communications, 2017, 53, 1096-1099.	4.1	15
3960	ZnS quantum dots and their derivatives: Overview on identity, synthesis and challenge into surface modifications for restricted applications. Journal of King Saud University - Science, 2017, 29, 444-450.	3 . 5	17
3961	Inâ€Situ Microfluidic Study of Biphasic Nanocrystal Ligandâ€Exchange Reactions Using an Oscillatory Flow Reactor. Angewandte Chemie - International Edition, 2017, 56, 16333-16337.	13.8	34
3962	Advanced sensing, imaging, and therapy nanoplatforms based on Nd ³⁺ -doped nanoparticle composites exhibiting upconversion induced by 808 nm near-infrared light. Nanoscale, 2017, 9, 18153-18168.	5.6	37
3963	Inâ€Situ Microfluidic Study of Biphasic Nanocrystal Ligandâ€Exchange Reactions Using an Oscillatory Flow Reactor. Angewandte Chemie, 2017, 129, 16551-16555.	2.0	5
3964	Evolution of ternary l–Ill–VI QDs: Synthesis, characterization and application. Nano Structures Nano Objects, 2017, 12, 46-56.	3. 5	7 5
3965	Green Synthesis of InP/ZnS Core/Shell Quantum Dots for Application in Heavy-Metal-Free Light-Emitting Diodes. Nanoscale Research Letters, 2017, 12, 537.	5.7	29
3966	Quantum Dot-Based Designed Nanoprobe for Imaging Lipid Droplet. Journal of Physical Chemistry C, 2017, 121, 23727-23735.	3.1	23
3967	Shell thickness effects on quantum dot brightness and energy transfer. Nanoscale, 2017, 9, 16446-16458.	5.6	45
3968	Photogating in Low Dimensional Photodetectors. Advanced Science, 2017, 4, 1700323.	11.2	622
3969	Transfer of Inorganic-Capped Nanocrystals into Aqueous Media. Journal of Physical Chemistry Letters, 2017, 8, 5573-5578.	4.6	17
3970	Laser Nanopatterning of Colored Ink Thin Films for Photonic Devices. ACS Applied Materials & Samp; Interfaces, 2017, 9, 39641-39649.	8.0	15
3971	Optical limiters with improved performance based on nanoconjugates of thiol substituted phthalocyanine with CdSe quantum dots and Ag nanoparticles. Dalton Transactions, 2017, 46, 16190-16198.	3.3	36
3972	Photochemical upconversion in water. Chemical Communications, 2017, 53, 11705-11708.	4.1	37

#	Article	IF	CITATIONS
3973	Inorganic Nanocomposites—A New Paradigm in Drug Delivery. , 2017, , 317-357.		0
3974	One-Step Synthesis of Rox-DNA Functionalized CdZnTeS Quantum Dots for the Visual Detection of Hydrogen Peroxide and Blood Glucose. Analytical Chemistry, 2017, 89, 11628-11635.	6.5	68
3975	Aggregation-Induced Emission Luminogen with Deep-Red Emission for Through-Skull Three-Photon Fluorescence Imaging of Mouse. ACS Nano, 2017, 11, 10452-10461.	14.6	156
3976	A new lateral-flow immunochromatographic strip combined with quantum dot nanobeads and gold nanoflowers for rapid detection of tetrodotoxin. Analyst, The, 2017, 142, 4393-4398.	3.5	39
3977	Unraveling the Mechanism Underlying Surface Ligand Passivation of Colloidal Semiconductor Nanocrystals: A Route for Preparing Advanced Hybrid Nanomaterials. Chemistry of Materials, 2017, 29, 8838-8849.	6.7	18
3978	Effect of size and curvature on the enzyme activity of bionanoconjugates. Nanoscale, 2017, 9, 15666-15672.	5.6	26
3979	Deep tissue imaging with multiphoton fluorescence microscopy. Current Opinion in Biomedical Engineering, 2017, 4, 32-39.	3.4	103
3980	Surface-Engineered Cationic Nanocrystals Stable in Biological Buffers and High Ionic Strength Solutions. Chemistry of Materials, 2017, 29, 9416-9428.	6.7	31
3981	Improving the Stability and Size Tunability of Cesium Lead Halide Perovskite Nanocrystals Using Trioctylphosphine Oxide as the Capping Ligand. Langmuir, 2017, 33, 12689-12696.	3.5	165
3982	Recent development of nanoparticles for molecular imaging. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20170022.	3.4	74
3983	Hierarchical Multicomponent Nanoheterostructures via Facet-to-Facet Attachment of Anisotropic Semiconductor Nanoparticles. Chemistry of Materials, 2017, 29, 9075-9083.	6.7	3
3984	Zinc sulfide quantum dots for photocatalytic and sensing applications. AIP Conference Proceedings, 2017, , .	0.4	0
3985	Interactions of Native Cyclodextrins with Metal Ions and Inorganic Nanoparticles: Fertile Landscape for Chemistry and Materials Science. Chemical Reviews, 2017, 117, 13461-13501.	47.7	238
3986	4.38 The Situation of Metal-Organic Frameworks in Biomedicine â~†., 2017, , 719-749.		12
3987	Core–shell molecularly imprinted particles. TrAC - Trends in Analytical Chemistry, 2017, 95, 110-121.	11.4	68
3988	Enhancement effect of defect fluorescence of ZnSe quantum dots on a heterojuction of ZnSe quantum dots and gold nanoparticles. Methods and Applications in Fluorescence, 2017, 5, 045001.	2.3	5
3989	Amino acid profiles as potential biomarkers for pediatric cancers: a preliminary communication. Biomarkers in Medicine, 2017, 11, 619-627.	1.4	9
3990	Recent advances in biocompatible semiconductor nanocrystals for immunobiological applications. Colloids and Surfaces B: Biointerfaces, 2017, 159, 644-654.	5.0	8

#	Article	IF	CITATIONS
3991	A pH-responsive assembly based on upconversion nanocrystals and ultrasmall nickel nanoparticles. Journal of Materials Chemistry C, 2017, 5, 9666-9672.	5.5	10
3992	High magnetic relaxivity in a fluorescent CdSe/CdS/ZnS quantum dot functionalized with MRI contrast molecules. Chemical Communications, 2017, 53, 10500-10503.	4.1	14
3993	Quantum dots: from fluorescence to chemiluminescence, bioluminescence, electrochemiluminescence, and electrochemistry. Nanoscale, 2017, 9, 13364-13383.	5.6	79
3994	Quantum-Dot-Based Theranostic Micelles Conjugated with an Anti-EGFR Nanobody for Triple-Negative Breast Cancer Therapy. ACS Applied Materials & Samp; Interfaces, 2017, 9, 30297-30305.	8.0	77
3995	Towards Ultraâ€Bright Gold Nanoclusters. European Journal of Inorganic Chemistry, 2017, 2017, 5068-5084.	2.0	44
3996	Study of energy transfer phenomenon between quantum dots and zinc porphyrin in solution. Journal of Molecular Liquids, 2017, 246, 17-24.	4.9	28
3997	Purple-, Blue-, and Green-Emitting Multishell Alloyed Quantum Dots: Synthesis, Characterization, and Application for Ratiometric Extracellular pH Sensing. Chemistry of Materials, 2017, 29, 7330-7344.	6.7	74
3998	Fluorophore-functionalized graphene oxide with application in cell imaging. New Journal of Chemistry, 2017, 41, 12375-12379.	2.8	6
3999	Luminescent CdSe@ZnS nanocrystals embedded in liposomes: a cytotoxicity study in HeLa cells. Toxicology Research, 2017, 6, 947-957.	2.1	9
4000	A quantum dot-labelled aptamer/graphene oxide system for the construction of a half-adder and half-subtractor with high resettability. Chemical Communications, 2017, 53, 11181-11184.	4.1	13
4001	An Efficient Method for the Surface Functionalization of Luminescent Quantum Dots with Lipoic Acid Based Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 5143-5151.	2.0	12
4002	A low-cost, large field-of-view scanning ion conductance microscope for studying nanoparticle–cell membrane interactions. Nanoscale, 2017, 9, 14172-14183.	5 . 6	20
4003	Quaternary Ammonium Polyamidoamine Dendrimer Modified Quantum Dots as Fluorescent Probes for p-Fluorophenoxyacetic Acid Detection in Aqueous Solution. Journal of Fluorescence, 2017, 27, 2195-2200.	2. 5	2
4004	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. Chemical Reviews, 2017, 117, 12942-13038.	47.7	258
4005	Bioluminescence Resonance Energy Transfer (BRET)â€coupled Annexinâ€Vâ€functionalized Quantum Dots for Nearâ€Infrared Optical Detection of Apoptotic Cells. ChemBioChem, 2017, 18, 2231-2235.	2.6	24
4006	A method for estimating intracellular ion concentration using optical nanosensors and ratiometric imaging. Scientific Reports, 2017, 7, 10819.	3.3	28
4007	Changes in luminescence of semiconductor colloidal quantum dots CdSe@CdS by replacement of hydrophobic ligands with 1-thioglycerol. High Energy Chemistry, 2017, 51, 350-355.	0.9	3
4008	One-Step Synthesis of Fluorescent Boron Nitride Quantum Dots via a Hydrothermal Strategy Using Melamine as Nitrogen Source for the Detection of Ferric Ions. Langmuir, 2017, 33, 10673-10678.	3.5	94

#	Article	IF	CITATIONS
4009	Cancer-targeted Nucleic Acid Delivery and Quantum Dot Imaging Using EGF Receptor Aptamer-conjugated Lipid Nanoparticles. Scientific Reports, 2017, 7, 9474.	3.3	54
4010	Comprehensive evaluation of the cytotoxicity of CdSe/ZnS quantum dots in Phanerochaete chrysosporium by cellular uptake and oxidative stress. Environmental Science: Nano, 2017, 4, 2018-2029.	4.3	81
4011	Silica-encapsulated CdTe/MPA quantum dots: microstructural, thermal, and chemical stability characterization. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	4
4012	Detection of a cancer biomarker protein on modified cellulose paper by fluorescence using aptamer-linked quantum dots. Analyst, The, 2017, 142, 3132-3135.	3.5	39
4013	Adapting the Glaser Reaction for Bioconjugation: Robust Access to Structurally Simple, Rigid Linkers. Angewandte Chemie - International Edition, 2017, 56, 10438-10442.	13.8	21
4014	Mobile Health., 2017, , .		18
4015	Synthesis of permeable yolk-shell structured gadolinium-doped quantum dots as a potential nanoscale multimodal-visible delivery system. Talanta, 2017, 175, 280-288.	5. 5	7
4016	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. Chemistry of Materials, 2017, 29, 6578-6595.	6.7	99
4017	Novel imprinted polyethyleneimine nano-fluorescent probes with controllable selectivity for recognizing and adsorbing metal ions. RSC Advances, 2017, 7, 36048-36055.	3.6	9
4018	Adapting the Glaser Reaction for Bioconjugation: Robust Access to Structurally Simple, Rigid Linkers. Angewandte Chemie, 2017, 129, 10574-10578.	2.0	6
4019	Quantum-dot nanoprobes and AOTF based cross talk eliminated six color imaging of biomolecules in cellular system. Analytica Chimica Acta, 2017, 985, 166-174.	5.4	2
4020	Carrier transport dynamics in Mn-doped CdSe quantum dot sensitized solar cells. Nanotechnology, 2017, 28, 415401.	2.6	15
4021	Application of semiconductor quantum dots in bioimaging and biosensing. Journal of Materials Chemistry B, 2017, 5, 6701-6727.	5.8	265
4022	Nanomaterial applications for neurological diseases and central nervous system injury. Progress in Neurobiology, 2017, 157, 29-48.	5 . 7	45
4023	Shell versus Core Dy ³⁺ Contributions to NMR Water Relaxation in Sodium Lanthanide Fluoride Coreâ€"Shell Nanoparticles. An Investigation Using O-17 and H-1 NMR. Journal of Physical Chemistry C, 2017, 121, 17552-17558.	3.1	8
4024	Capillary electrophoresis and nanomaterials – Part I: Capillary electrophoresis of nanomaterials. Electrophoresis, 2017, 38, 2389-2404.	2.4	27
4025	Immobilization effects on the photocatalytic activity of CdS quantum Dots-Horseradish peroxidase hybrid nanomaterials. Journal of Colloid and Interface Science, 2017, 506, 36-45.	9.4	12
4026	Surface molecular imprinted polymers based on Mn-doped ZnS quantum dots by atom transfer radical polymerization for a room-temperature phosphorescence probe of bifenthrin. Analytical Methods, 2017, 9, 4609-4615.	2.7	20

#	Article	IF	CITATIONS
4027	Wearable Optical Sensors., 2017,, 313-342.		6
4028	Selective biocompatibility and responsive imaging property of cationic conjugated polyelectrolyte to cancer cells. Chinese Chemical Letters, 2017, 28, 1975-1978.	9.0	4
4029	Flexible Filterâ€Free Narrowband Photodetector with High Gain and Customized Responsive Spectrum. Advanced Functional Materials, 2017, 27, 1702360.	14.9	57
4030	Facile fabrication of dual emissive nanospheres via the self-assembling of CdSe@CdS and zinc phthalocyanine and their application for silver ion detection. Chemical Physics Letters, 2017, 684, 321-327.	2.6	4
4031	Colloidal quantum dots conjugated with human serum albumin $\hat{a} \in$ interactions and bioimaging properties. Opto-electronics Review, 2017, 25, 137-147.	2.4	11
4032	Supercritical Fluid Technology: An Emphasis on Drug Delivery and Related Biomedical Applications. Advanced Healthcare Materials, 2017, 6, 1700433.	7.6	186
4033	Tunable photoluminescence of water-soluble AgInZnS–graphene oxide (GO) nanocomposites and their application in-vivo bioimaging. Sensors and Actuators B: Chemical, 2017, 252, 1179-1186.	7.8	391
4034	Nanoparticle-Based Immunochemical Biosensors and Assays: Recent Advances and Challenges. Chemical Reviews, 2017, 117, 9973-10042.	47.7	518
4035	Inorganic Nanoparticles as Donors in Resonance Energy Transfer for Solid-Phase Bioassays and Biosensors. Langmuir, 2017, 33, 12839-12858.	3.5	18
4036	Immunoglobulin binding (B1) domain mediated antibody conjugation to quantum dots for in vitro and in vivo molecular imaging. Chemical Communications, 2017, 53, 9450-9453.	4.1	17
4037	Immune fluorescence test strips based on quantum dots for rapid and quantitative detection of carcino-embryonic antigen. Chinese Chemical Letters, 2017, 28, 1881-1884.	9.0	17
4038	Gd ³⁺ -Functionalized gold nanoclusters for fluorescence–magnetic resonance bimodal imaging. Biomaterials Science, 2017, 5, 2122-2130.	5.4	24
4039	Efficient and long-lifetime full-color light-emitting diodes using high luminescence quantum yield thick-shell quantum dots. Nanoscale, 2017, 9, 13583-13591.	5.6	102
4040	Novel tetraphenylethylene diol amphiphile with aggregation-induced emission: self-assembly, cell imaging and tagging property. Materials Science and Engineering C, 2017, 81, 580-587.	7.3	4
4041	Single-Molecule Plasmon Sensing: Current Status and Future Prospects. ACS Sensors, 2017, 2, 1103-1122.	7.8	266
4042	Fluorescent Polymer Nanoparticles for Cell Barcoding In Vitro and In Vivo. Small, 2017, 13, 1701582.	10.0	95
4043	Multiplexible Wash-Free Immunoassay Using Colloidal Assemblies of Magnetic and Photoluminescent Nanoparticles. ACS Nano, 2017, 11, 8448-8455.	14.6	46
4044	Photoluminescence enhancement of silicon quantum dot monolayer by plasmonic substrate fabricated by nano-imprint lithography. Journal of Applied Physics, 2017, 122, .	2.5	11

#	Article	IF	CITATIONS
4045	Supramolecular Host–Guest Chemistry-Based Folate/Riboflavin Functionalization and Cancer Cell Labeling of Nanoparticles. ACS Omega, 2017, 2, 8948-8958.	3 . 5	13
4046	Exposure enhanced photoluminescence of CdS _{0.9} Se _{0.1} quantum dots embedded in spin-coated Ge ₂₅ S ₇₅ thin films. RSC Advances, 2017, 7, 53830-53838.	3.6	20
4047	Highly Luminescent Dual-Color-Emitting Alloyed [Zn _{<i>x</i>} Se _{<i>y</i>} Sesub>1â€" <i>y</i>] Quantum Dots: Investigation of Bimodal Growth and Application to Lighting. Journal of Physical Chemistry C, 2017, 121, 28373-28384.	3.1	28
4048	Dewetting-Induced Photoluminescent Enhancement of Poly(lauryl methacrylate)/Quantum Dot Thin Films. Langmuir, 2017, 33, 14325-14331.	3.5	6
4049	Transition Metal-Based Thiometallates as Surface Ligands for Functionalization of All-Inorganic Nanocrystals. Chemistry of Materials, 2017, 29, 10510-10517.	6.7	13
4050	Gas detection based on quantum dot LEDs utilizing differential optical absorption spectroscopy. RSC Advances, 2017, 7, 30096-30100.	3.6	5
4051	Surface plasmon-assisted photoluminescence enhancement of Au-hybrid CdSe/ZnS nanocrystal quantum dots. Molecular Crystals and Liquid Crystals, 2017, 654, 1-5.	0.9	1
4052	Real-Space Investigation of Energy Transfer through Electron Tomography. Journal of Physical Chemistry C, 2017, 121, 28395-28402.	3.1	7
4053	Advances in single quantum dot-based nanosensors. Chemical Communications, 2017, 53, 13284-13295.	4.1	74
4054	Quantification of Humic Substances in Natural Water Using Nitrogen-Doped Carbon Dots. Environmental Science & Environmental Sc	10.0	35
4055	Aqueous synthesis of highly fluorescent and stable Cu–In–S/ZnS core/shell nanocrystals for cell imaging. RSC Advances, 2017, 7, 51001-51007.	3.6	14
4056	Stable and Functionalizable Quantum Dots with a Thin Zwitterionic Carboxybetaine Layer. Langmuir, 2017, 33, 8784-8789.	3 . 5	11
4058	Noncovalent Control of the Electrostatic Potential of Quantum Dots through the Formation of Interfacial Ion Pairs. Journal of the American Chemical Society, 2017, 139, 10126-10132.	13.7	13
4059	Fluorescence-based CdTe nanosensor for sensitive detection of cytochrome C. Biosensors and Bioelectronics, 2017, 98, 415-420.	10.1	38
4060	Nanostructures in transdermal drug delivery systems. , 2017, , 639-668.		9
4061	Toxicity of Nanoparticles: Etiology and Mechanisms. , 2017, , 511-546.		28
4062	Characterizing optical properties, composition of stabilizer-free copper nanoclusters and its interaction with bovine serum albumin. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 347, 17-25.	3.9	13
4063	Spectral insights into the transformation and distribution of CdSe quantum dots in microorganisms during food-chain transport. Scientific Reports, 2017, 7, 4370.	3.3	9

#	ARTICLE	IF	CITATIONS
4064	Influence of surface states on blinking characteristics of single colloidal CdSe-CdS/ZnS core-multishell quantum dot. Journal of Colloid and Interface Science, 2017, 505, 528-536.	9.4	6
4065	Heavy-Metal-Free Fluorescent ZnTe/ZnSe Nanodumbbells. ACS Nano, 2017, 11, 7312-7320.	14.6	30
4066	Characterization of viral entry and infection of quantum dot-labeled grass carp reovirus. Virologica Sinica, 2017, 32, 163-166.	3.0	4
4067	Parallel Three-Dimensional Tracking of Quantum Rods Using Polarization-Sensitive Spectroscopic Photon Localization Microscopy. ACS Photonics, 2017, 4, 1747-1752.	6.6	20
4068	Synthetic strategies and biomedical applications of l–Ill–VI ternary quantum dots. Journal of Materials Chemistry B, 2017, 5, 6193-6216.	5.8	116
4069	Room-temperature processing of CdSe quantum dots with tunable sizes. Journal of Applied Physics, 2017, 121, .	2.5	8
4070	A new strategy for fabrication of water dispersible and biodegradable fluorescent organic nanoparticles with AIE and ESIPT characteristics and their utilization for bioimaging. Talanta, 2017, 174, 803-808.	5.5	43
4071	Ratiometric sensing of metabolites using dual-emitting ZnS:Mn 2+ quantum dots as sole luminophore via surface chemistry design. Biosensors and Bioelectronics, 2017, 90, 487-493.	10.1	15
4072	Synthesis of Type-I CdTe Core and Type-II CdTe/CdS Core/Shell Quantum Dots by a Hydrothermal Method and Their Optical Properties. Bulletin of the Chemical Society of Japan, 2017, 90, 52-58.	3.2	14
4073	Ultrafast Saturable Absorption of Core/Shell Colloidal Quantum Dots. Particle and Particle Systems Characterization, 2017, 34, 1600193.	2.3	10
4074	In vitro and in vivo assessment of nanotoxicity of CdS quantum dot/aminopolysaccharide bionanoconjugates. Materials Science and Engineering C, 2017, 71, 412-424.	7.3	40
4075	A new immunoassay of serum antibodies against Peste des petits ruminants virus using quantum dots and a lateral-flow test strip. Analytical and Bioanalytical Chemistry, 2017, 409, 133-141.	3.7	22
4076	Nanomaterialsâ€based biosensors for detection of microorganisms and microbial toxins. Biotechnology Journal, 2017, 12, .	3.5	46
4077	Protein/peptide-templated biomimetic synthesis of inorganic nanoparticles for biomedical applications. Journal of Materials Chemistry B, 2017, 5, 401-417.	5.8	132
4078	Positron emission tomography and nanotechnology: A dynamic duo for cancer theranostics. Advanced Drug Delivery Reviews, 2017, 113, 157-176.	13.7	153
4079	$F\tilde{A}\P$ rster-type Resonance Energy Transfer (FRET): Applications. SpringerBriefs in Applied Sciences and Technology, 2017, , 1-40.	0.4	2
4080	Tunable polarised fluorescence of quantum dot doped nematic liquid crystals. Liquid Crystals, 2017, 44, 444-452.	2.2	22
4081	Detection of norovirus virus-like particles using a surface plasmon resonance-assisted fluoroimmunosensor optimized for quantum dot fluorescent labels. Biosensors and Bioelectronics, 2017, 93, 260-266.	10.1	70

#	ARTICLE	IF	CITATIONS
4082	Programmed Emission Transformations: Negativeâ€toâ€Positive Patterning Using the Decayâ€toâ€Recovery Behavior of Quantum Dots. Advanced Optical Materials, 2017, 5, 1600509.	7.3	8
4083	The general synthesis and characterization of rare earth orthovanadate nanocrystals and their electrochemical applications. Journal of Alloys and Compounds, 2017, 693, 825-831.	5.5	24
4084	Eco-friendly intracellular biosynthesis of CdS quantum dots without changing Escherichia coli's antibiotic resistance. Enzyme and Microbial Technology, 2017, 96, 96-102.	3.2	27
4085	A novel fluorescent DNA sensor for ultrasensitive detection of Helicobacter pylori. Biosensors and Bioelectronics, 2017, 87, 66-72.	10.1	59
4086	Coherent and Polarized Random Laser Emissions from Colloidal CdSe/ZnS Quantum Dots Plasmonically Coupled to Ellipsoidal Ag Nanoparticles. Advanced Optical Materials, 2017, 5, 1600746.	7.3	39
4087	Fluorescence bioanalytical method for urea determination based on water soluble ZnS quantum dots. Sensors and Actuators B: Chemical, 2017, 240, 763-769.	7.8	27
4088	Vascular targeting of nanoparticles for molecular imaging of diseased endothelium. Advanced Drug Delivery Reviews, 2017, 113, 141-156.	13.7	64
4089	Mechanochemical approach for the capping of mixed core CdS/ZnS nanocrystals: Elimination of cadmium toxicity. Journal of Colloid and Interface Science, 2017, 486, 97-111.	9.4	25
4090	Preparation, Characterization and Photostability Study of Biocomposites Comprising Quantum Dots for Bioimaging Application. Materials Science Forum, 2017, 900, 3-6.	0.3	0
4091	Control of excitons in a bent bunch of molecular aggregates by dipole–dipole interaction with quantum dots. Journal of Experimental and Theoretical Physics, 2017, 125, 572-578.	0.9	5
4093	Dual-wavelength, low-coherence digital holography using quantum dot based light source. , 2017, , .		0
4094	Resonance energy transfer between a spherical nanoparticle and a J-Aggregate. Optoelectronics, Instrumentation and Data Processing, 2017, 53, 271-277.	0.6	4
4095	Numerical study of the totally asymmetric simple exclusion process that consists of only a single site for modeling the dynamics of Coulomb blockade in 2D quantum dot. AIP Conference Proceedings, 2017,	0.4	0
4096	Quantum dot/pMHC multimers vs. phycoerythrin/pMHC tetramers for identification of HLA-A*0201-restricted pHBV core antigen18–27-specific T cells. Molecular Medicine Reports, 2017, 16, 8605-8612.	2.4	0
4097	Time-resolved Fluorescent Detection for Glucose Using a Complex of Luminescent Layered Titanates and Enzymes. Analytical Sciences, 2017, 33, 989-991.	1.6	6
4098	Scattering characteristics of core/shell structured quantum dots pumped by nanosecond laser pulses. , 2017, , .		0
4100	Self-Trapped Exciton and Large Stokes Shift in Pristine and Carbon-Coated Silicon Carbide Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 20031-20038.	3.1	8
4101	Engineered nanostructures: A review of their synthesis, characterization and toxic hazard considerations. Arabian Journal of Chemistry, 2017, 10, S376-S388.	4.9	23

#	Article	IF	CITATIONS
4102	Quantum dots-based lateral flow immunoassay combined with image analysis for semiquantitative detection of IgE antibody to mite. International Journal of Nanomedicine, 2017, Volume 12, 4805-4812.	6.7	17
4103	The Application, Neurotoxicity, and Related Mechanism of Silica Nanoparticles. , 2017, , 227-257.		6
4104	Investigation of pH-dependent photophysical properties of quantum nanocrystals by fluorescence correlation spectroscopy. Optics Express, 2017, 25, 1435.	3.4	1
4105	Temperature dependent photoluminescence of composition tunable Zn_xAgInSe quantum dots and temperature sensor application. Optics Express, 2017, 25, 19065.	3.4	31
4106	Dual-wavelength digital holography with a low-coherence light source based on a quantum dot film. Optics Letters, 2017, 42, 5082.	3.3	7
4107	Photopatternable cadmium-free quantum dots with ene-functionalization. Optical Materials Express, 2017, 7, 2440.	3.0	12
4108	Highly luminescent red emitting CdZnSe/ZnSe quantum dots synthesis and application for quantum dot light emitting diodes. Optical Materials Express, 2017, 7, 3875.	3.0	19
4109	Characterization of metal, semiconductor, and metal-semiconductor core–shell nanostructures. , 2017, , 51-77.		5
4110	Catalytic Application of Magnetic Nanocomposites. , 2017, , 627-663.		0
4111	In situ imaging of quantum dot-AZD4547 conjugates for tracking the dynamic behavior of fibroblast growth factor receptor 3. International Journal of Nanomedicine, 2017, Volume 12, 5345-5357.	6.7	4
4112	Multifunctional Micro- and Nanoparticles. , 2017, , 21-43.		3
4113	Mn2+-ZnSe/ZnS@SiO2 Nanoparticles for Turn-on Luminescence Thiol Detection. Journal of Functional Biomaterials, 2017, 8, 36.	4.4	4
4114	Study on the Fluorescent Activity of N2-Indolyl-1,2,3-triazole. Molecules, 2017, 22, 1380.	3.8	14
4115	Lanthanide-Doped Nanoparticles for Diagnostic Sensing. Nanomaterials, 2017, 7, 411.	4.1	39
4116	High Sensitivity Detection of CdSe/ZnS Quantum Dot-Labeled DNA Based on N-type Porous Silicon Microcavities. Sensors, 2017, 17, 80.	3.8	16
4117	Emerging Cytokine Biosensors with Optical Detection Modalities and Nanomaterial-Enabled Signal Enhancement. Sensors, 2017, 17, 428.	3.8	41
4118	Recent Advances in Fluorescence Lifetime Analytical Microsystems: Contact Optics and CMOS Time-Resolved Electronics. Sensors, 2017, 17, 2800.	3.8	26
4119	Non-fused Phospholes as Fluorescent Probes for Imaging of Lipid Droplets in Living Cells. Frontiers in Chemistry, 2017, 5, 28.	3.6	17

#	Article	IF	CITATIONS
4120	Depicting Binding-Mediated Translocation of HIV-1 Tat Peptides in Living Cells with Nanoscale Pens of Tat-Conjugated Quantum Dots. Sensors, 2017, 17, 315.	3.8	4
4121	Development of a Novel Quantum Dots and Graphene Oxide Based FRET Assay for Rapid Detection of invA Gene of Salmonella. Frontiers in Microbiology, 2017, 8, 8.	3.5	59
4122	Utilizing Biotinylated Proteins Expressed in Yeast to Visualize DNA–Protein Interactions at the Single-Molecule Level. Frontiers in Microbiology, 2017, 8, 2062.	3.5	6
4123	Recent Developments in Applications of Quantum-Dot Based Light-Emitting Diodes. , 0, , .		9
4124	Parallel comparative studies on toxicity of quantum dots synthesized and surface engineered with different methods in vitro and in vivo. International Journal of Nanomedicine, 2017, Volume 12, 5135-5148.	6.7	11
4125	Quantitative and multiplexed detection for blood typing based on quantum dot–magnetic bead assay. International Journal of Nanomedicine, 2017, Volume 12, 3347-3356.	6.7	6
4126	Luminescent/magnetic PLGA-based hybrid nanocomposites: a smart nanocarrier system for targeted codelivery and dual-modality imaging in cancer theranostics. International Journal of Nanomedicine, 2017, Volume 12, 4299-4322.	6.7	50
4127	Functional Host–Guest Materials. , 2017, , 493-543.		6
4128	Examining the Roles of Emulsion Droplet Size and Surfactant in the Interfacial Instability-Based Fabrication Process of Micellar Nanocrystals. Nanoscale Research Letters, 2017, 12, 434.	5.7	10
4129	Fabrication and optical property of ZnS:Mn2+ Nanowires/SiO2 Core/Shell Nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 14293-14297.	2.2	1
4130	OPTICAL BIOSENSING AND BIOIMAGING WITH POROUS SILICON AND SILICON QUANTUM DOTS (INVITED) TJ ET	⁻ Qq0 ₄ 0 0 r	gBT /Overloc
4131	Multifunctional nanosized emulsions for theragnosis of life threatening diseases., 2017,, 579-617.		3
4132	Nanosized drug delivery systems as radiopharmaceuticals., 2017,, 563-592.		1
4133	N-Doped Graphene Quantum Dots via Thermal Pyrolysis of Fumaric Acid for Optical Detection of Hg2+. Synthesis and Catalysis Open Access, 2017, 02, .	0.4	1
4134	Fluorescence quenching of MoS2 nanosheets/DNA/silicon dot nanoassembly: effective and rapid detection of Hg2+ ions in aqueous solution. Environmental Science and Pollution Research, 2018, 25, 10567-10576.	5.3	24
4135	More Than a Light Switch: Engineering Unconventional Fluorescent Configurations for Biological Sensing. ACS Chemical Biology, 2018, 13, 1752-1766.	3.4	31
4136	Biocompatible Semiconductor Quantum Dots as Cancer Imaging Agents. Advanced Materials, 2018, 30, e1706356.	21.0	227
4137	A Multifunctional Polypeptide via Ugi Reaction for Compact and Biocompatible Quantum Dots with Efficient Bioconjugation. Bioconjugate Chemistry, 2018, 29, 1335-1343.	3.6	15

#	Article	IF	CITATIONS
4138	Phosphors Based on Phosphates of NaZr2(PO4)3 and Langbeinite Structural Families. Review Journal of Chemistry, 2018, 8, 1-33.	1.0	10
4139	Exciton–Phonon Spectroscopy of Quantum Dots Below the Single-Particle Homogeneous Line Width. Journal of Physical Chemistry Letters, 2018, 9, 1503-1508.	4.6	5
4140	A fluorescent sensor based on thioglycolic acid capped cadmium sulfide quantum dots for the determination of dopamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 7-15.	3.9	40
4141	A Ligand System for the Flexible Functionalization of Quantum Dots via Click Chemistry. Angewandte Chemie - International Edition, 2018, 57, 4652-4656.	13.8	28
4142	Quantitative Analysis of Glucose Metabolic Cleavage in Glucose Transporters Overexpressed Cancer Cells by Target-Specific Fluorescent Gold Nanoclusters. Analytical Chemistry, 2018, 90, 3974-3980.	6.5	34
4143	Physical Properties of Biomolecules at the Nanomaterial Interface. Journal of Physical Chemistry B, 2018, 122, 2827-2840.	2.6	53
4144	A Ligand System for the Flexible Functionalization of Quantum Dots via Click Chemistry. Angewandte Chemie, 2018, 130, 4742-4746.	2.0	7
4145	Circular exponential amplification of photoinduced electron transfer using hairpin probes, G-quadruplex DNAzyme and silver nanocluster-labeled DNA for ultrasensitive fluorometric determination of pathogenic bacteria. Mikrochimica Acta, 2018, 185, 168.	5.0	31
4146	Atomistic tight-binding computations of the structural and optical properties of CdTe/CdX (X=S and) Tj ETQq0 0	0 rgBT /Ov	reglock 10 Tf
4147	Peptide-based nanoprobes for molecular imaging and disease diagnostics. Chemical Society Reviews, 2018, 47, 3490-3529.	38.1	127
4148	Recent advances in near-infrared II fluorophores for multifunctional biomedical imaging. Chemical Science, 2018, 9, 4370-4380.	7.4	437
4149	Lowâ€Saturationâ€Intensity, Highâ€Photostability, and Highâ€Resolution STED Nanoscopy Assisted by CsPbBr ₃ Quantum Dots. Advanced Materials, 2018, 30, e1800167.	21.0	64
4150	The Self-assembly of Cyanine Dyes for Biomedical Application In Vivo. Nanomedicine and Nanotoxicology, 2018, , 31-55.	0.2	4
4151	A New Thermoâ€, pH―and CO ₂ â€Responsive Fluorescent Fourâ€Arm Star Polymer with Aggregationâ€Induced Emission for Longâ€Term Cellular Tracing. Macromolecular Materials and Engineering, 2018, 303, 1700553.	3.6	33
4152	Non-Invasive Characterization of the Organic Coating of Biocompatible Quantum Dots Using Nuclear Magnetic Resonance Spectroscopy. Chemistry of Materials, 2018, 30, 3454-3466.	6.7	21
4153	Ultrafast Trap State-Mediated Electron Transfer for Quantum Dot Redox Sensing. Journal of Physical Chemistry C, 2018, 122, 10173-10180.	3.1	22
4154	Incoherent Photon Echo in an Inhomogeneous Ensemble of Semiconductor Colloidal Quantum Dots at Low Temperatures. Bulletin of the Lebedev Physics Institute, 2018, 45, 91-94.	0.6	19
4155	Characterization of polymer-coated CdSe/ZnS quantum dots and investigation of their behaviour in soil solution at relevant concentration by asymmetric flow field-flow fractionation – multi angle light scattering – inductively coupled plasma - mass spectrometry. Analytica Chimica Acta, 2018, 1028, 104-112.	5.4	19

#	Article	IF	CITATIONS
4156	Organic Dye Based Nanoparticles for Cancer Phototheranostics. Small, 2018, 14, e1704247.	10.0	226
4157	Valencyâ€Controlled Framework Nucleic Acid Signal Amplifiers. Angewandte Chemie - International Edition, 2018, 57, 7131-7135.	13.8	85
4159	High current density cation-exchanged SnO ₂ â€"CdSe/ZnSe and SnO ₂ â€"CdSe/SnSe quantum-dot photoelectrochemical cells. New Journal of Chemistry, 2018, 42, 9028-9036.	2.8	5
4160	Energy Transfer Between Single Semiconductor Quantum Dots and Organic Dye Molecules. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1513-1526.	2.8	6
4161	Valencyâ€Controlled Framework Nucleic Acid Signal Amplifiers. Angewandte Chemie, 2018, 130, 7249-7253.	2.0	9
4162	Effect of light scattering on the performance of a direct absorption solar collector. Frontiers in Energy, 2018, 12, 169-177.	2.3	20
4163	Structure and band gap tunable CuInS2 nanocrystal synthesized by hot-injection method with altering the dose of oleylamine. Materials and Design, 2018, 149, 145-152.	7.0	29
4164	Influence of Co2+ on electrical and optical behavior of Mn2+-doped ZnS quantum dots. Optics and Laser Technology, 2018, 103, 109-117.	4.6	37
4166	Inorganic nanoparticles in diagnosis and treatment of breast cancer. Journal of Biological Inorganic Chemistry, 2018, 23, 331-345.	2.6	66
4167	Ultrasensitive detection of EGFR gene based on surface plasmon resonance enhanced electrochemiluminescence of CuZnInS quantum dots. Analytica Chimica Acta, 2018, 1009, 73-80.	5.4	38
4168	Biomolecule-embedded metal-organic frameworks as an innovative sensing platform. Biotechnology Advances, 2018, 36, 467-481.	11.7	81
4170	Arsenic trioxide: insights into its evolution to an anticancer agent. Journal of Biological Inorganic Chemistry, 2018, 23, 313-329.	2.6	100
4171	Hybrid nanosystems based on colloidal quantum dots and organic ligands (Review). High Energy Chemistry, 2018, 52, 19-33.	0.9	0
4172	Oneâ€pot synthesis and characterization CdTe:Zn ²⁺ quantum dots and its molecular interaction with calf thymus DNA. Journal of Molecular Recognition, 2018, 31, e2691.	2.1	8
4173	Exciton diamagnetic shift and optical properties in CdSe nanocrystal quantum dots in magnetic fields. Physica B: Condensed Matter, 2018, 534, 98-104.	2.7	7
4174	One-pot Synthesis of Silver Indium Sulfide Ternary Semiconductor Nanocrystals with Highly Luminescent Performance from Low-toxic Precursors. Chemistry Letters, 2018, 47, 490-493.	1.3	2
4175	A fluorescent sensor for selective, sensitive, and recyclable detection of mercury(II) in aqueous solution based on a zinc(II) coordination polymer. Inorganic Chemistry Communication, 2018, 89, 73-77.	3.9	11
4176	Exploration of photothermal sensors based on photothermally responsive materials: a brief review. Inorganic Chemistry Frontiers, 2018, 5, 751-759.	6.0	45

#	Article	IF	Citations
4177	One-pot synthesis of polythiol ligand for highly bright and stable hydrophilic quantum dots toward bioconjugate formation. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2018, 9, 015002.	1.5	1
4178	Photoluminescent two-dimensional SiC quantum dots for cellular imaging and transport. Nano Research, 2018, 11, 4074-4081.	10.4	38
4179	Polyacrylamide gel electrophoresis of semiconductor quantum dots and their bioconjugates: materials characterization and physical insights from spectrofluorimetric detection. Analyst, The, 2018, 143, 1104-1116.	3.5	6
4180	Excitation wavelength dependent photoluminescence emission behavior, UV induced photoluminescence enhancement and optical gap tuning of Zn0.45Cd0.55S nanoparticles for optoelectronic applications. Optical Materials, 2018, 77, 1-12.	3.6	28
4182	Recent advances in quantum dots for biomedical applications. Journal of Pharmaceutical Investigation, 2018, 48, 209-214.	5.3	58
4183	Recent Advances of Low Biological Toxicity Ag ₂ S QDs for Biomedical Application. Advanced Engineering Materials, 2018, 20, 1700940.	3.5	61
4184	One-step production of phage–silicon nanoparticles by PLAL as fluorescent nanoprobes for cell identification. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	14
4185	Stable, small, specific, low-valency quantum dots for single-molecule imaging. Nanoscale, 2018, 10, 4406-4414.	5.6	20
4186	Multifunctional Photonic Nanomaterials for Diagnostic, Therapeutic, and Theranostic Applications. Advanced Materials, 2018, 30, 1701460.	21.0	137
4187	Rod-shaped Zn–Ag–In–Te nanocrystals with wavelength-tunable band-edge photoluminescence in the near-IR region. Journal of Materials Chemistry C, 2018, 6, 2034-2042.	5.5	17
4188	Quantum dots for biomedical applications. , 2018, , 411-436.		10
4189	Quantification of Nucleic Acid Concentration in the Nanoparticle or Polymer Conjugates Using Circular Dichroism Spectroscopy. Analytical Chemistry, 2018, 90, 2255-2262.	6.5	8
4190	Excitonic pathway to photoinduced magnetism in colloidal nanocrystals with nonmagnetic dopants. Nature Nanotechnology, 2018, 13, 145-151.	31.5	64
4191	Next-Generation DNA-Functionalized Quantum Dots as Biological Sensors. ACS Chemical Biology, 2018, 13, 1705-1713.	3.4	41
4192	Magneto-Fluorescent Yolk–Shell Nanoparticles. Chemistry of Materials, 2018, 30, 775-780.	6.7	42
4193	Obtaining Structural Parameters from STEM–EDX Maps of Core/Shell Nanocrystals for Optoelectronics. ACS Applied Nano Materials, 2018, 1, 989-996.	5.0	15
4194	Membrane insertion ofâ€"and membrane potential sensing byâ€"semiconductor voltage nanosensors: Feasibility demonstration. Science Advances, 2018, 4, e1601453.	10.3	33
4195	Recent trends of nanomedicinal approaches in clinics. International Journal of Pharmaceutics, 2018, 538, 263-278.	5.2	77

#	Article	IF	CITATIONS
4196	Analysis and Applications of Single-Molecule Fluorescence in Live Cell Membranes. , 2018, , 147-173.		0
4197	Quick Synthesis of Water-soluble, Luminescent ZnTe Nanoparticles by Hydrothermal Technique. Chemistry Letters, 2018, 47, 152-155.	1.3	4
4198	Optical nonlinearity of pentadecylphenoxyl substituted sandwich–type metallophthalocyanines in the presence of Ag–CdSeTe/ZnTeSe nanocrystals: Effects of conjugation and central metals. Dyes and Pigments, 2018, 151, 254-262.	3.7	4
4199	Metal–Organic Framework Encapsulation for the Preservation and Photothermal Enhancement of Enzyme Activity. Small, 2018, 14, 1702382.	10.0	65
4200	A multi-functional fluorescent probe with aggregation-induced emission characteristics: Mitochondrial imaging, photodynamic therapy and visualizing therapeutic process in zebrafish model. Dyes and Pigments, 2018, 151, 45-53.	3.7	24
4201	Fluorescent Silica Nanoparticles with Well-Separated Intensity Distributions from Batch Reactions. Nano Letters, 2018, 18, 1305-1310.	9.1	16
4202	InPZnS alloy quantum dots with tris(hexylthio)phosphine as a dual anionic precursor. Nanoscale, 2018, 10, 3014-3019.	5.6	7
4203	Photoluminescent carbon dots based on a rare 3D inorganic–organic hybrid cadmium borate crystal. Dalton Transactions, 2018, 47, 7407-7411.	3.3	10
4204	Dependence of Nanoparticle Toxicity on Their Physical and Chemical Properties. Nanoscale Research Letters, 2018, 13, 44.	5.7	713
4205	Towards Low-Toxic Colloidal Quantum Dots. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1443-1455.	2.8	6
4206	Synthesis of thermo-responsive nanocomposites of superparamagnetic cobalt nanoparticles/poly(N-isopropylacrylamide). Journal of Colloid and Interface Science, 2018, 526, 124-134.	9.4	11
4207	Transcriptome analysis of different sizes of 3â€mercaptopropionic acidâ€modified cadmium telluride quantum dotâ€induced toxic effects reveals immune response in rat hippocampus. Journal of Applied Toxicology, 2018, 38, 1177-1194.	2.8	26
4208	Comparative studies of biological activity of cadmium-based quantum dots with different surface modifications. Applied Nanoscience (Switzerland), 2018, 8, 309-321.	3.1	9
4209	Polyelectrolyte-protected Dual-color-quantum-dot Assembled Silica Nanoparticles and Their Application in Simultaneous Fluorescence Determination of e Antigen and Surface Antigen of Hepatitis B. Analytical Sciences, 2018, 34, 291-295.	1.6	2
4210	Interfacial dynamic surface traps of lead sulfide (PbS) nanocrystals: test-platform for interfacial charge carrier traps at the organic/inorganic functional interface. Journal Physics D: Applied Physics, 2018, 51, 145306.	2.8	5
4211	Biochemistry and biomedicine of quantum dots: from biodetection to bioimaging, drug discovery, diagnostics, and therapy. Acta Biomaterialia, 2018, 74, 36-55.	8.3	84
4212	Highly fluorescent positively charged ZnSe quantum dots for bioimaging. Journal of Luminescence, 2018, 201, 284-289.	3.1	21
4213	A two-photon fluorescent probe records the intracellular pH through  OR' logic operation via internal calibration. Sensors and Actuators B: Chemical, 2018, 268, 195-204.	7.8	22

#	Article	IF	CITATIONS
4214	Structural, photoluminescence and magnetic properties of Mn, Cr dual-doped ZnS quantum dots: Influence of Cr concentration. Journal of Physics and Chemistry of Solids, 2018, 120, 183-189.	4.0	37
4215	A simple assay platform for sensitive detection of Sudan I–IV in chilli powder based on CsPbBr3 quantum dots. Journal of Food Science and Technology, 2018, 55, 2497-2503.	2.8	11
4216	Designing Coupled Quantum Dots with ZnS–CdSe Hybrid Structures for Enhancing Exciton Lifetime. Journal of Physical Chemistry C, 2018, 122, 9198-9208.	3.1	8
4217	Demonstration of cellular imaging by using luminescent and anti-cytotoxic europium-doped hafnia nanocrystals. Nanoscale, 2018, 10, 7933-7940.	5.6	24
4218	AC-dielectrophoretic force assisted fabrication of conducting quantum dot aggregates in the electrical breakdown-induced CNT nanogap. Applied Physics Letters, 2018, 112, 133105.	3.3	2
4219	Cadmium telluride quantum dots induce apoptosis in human breast cancer cell lines. Toxicology and Industrial Health, 2018, 34, 339-352.	1.4	31
4220	Azide–Alkyne Click Conjugation on Quantum Dots by Selective Copper Coordination. ACS Nano, 2018, 12, 4469-4477.	14.6	28
4221	On the classical aspects of electrons tunnelling through a quantum dot via a driven lattice gas model in one dimension. Journal of Physics: Conference Series, 2018, 953, 012009.	0.4	0
4222	Role of Localized States in Photoluminescence Dynamics of High Optical Gain CsPbBr ₃ Nanocrystals. Advanced Optical Materials, 2018, 6, 1800109.	7.3	80
4223	One-pot synthesis of highly luminescent and color-tunable water-soluble Mn:ZnSe/ZnS core/shell quantum dots by microwave-assisted method. Journal of Materials Science: Materials in Electronics, 2018, 29, 9184-9192.	2.2	14
4224	Real-time imaging of cancer cell generations and monitoring tumor growth using a nucleus-targeted red fluorescent probe. Journal of Materials Chemistry B, 2018, 6, 2340-2346.	5.8	7
4225	Gold decorated porous biosilica nanodevices for advanced medicine. Nanotechnology, 2018, 29, 235601.	2.6	29
4226	Human and experimental toxicology of diquat poisoning: Toxicokinetics, mechanisms of toxicity, clinical features, and treatment. Human and Experimental Toxicology, 2018, 37, 1131-1160.	2.2	64
4227	The potential of aptamers for cancer research. Analytical Biochemistry, 2018, 549, 91-95.	2.4	31
4228	Nanoscale gizmos – the novel fluorescent probes for monitoring protein activity. Biochemical Engineering Journal, 2018, 133, 83-95.	3.6	4
4229	Magnetic iron oxide nanoparticles as drug carriers: preparation, conjugation and delivery. Nanomedicine, 2018, 13, 929-952.	3.3	130
4230	Spectroscopic characterization of the warfarin drug-binding site of folded and unfolded human serum albumin anchored on gold nanoparticles: effect of bioconjugation on the loading capacity. RSC Advances, 2018, 8, 7523-7532.	3.6	4
4231	Nanoencapsulation techniques as a "safer by (molecular) design―tool. Nano Structures Nano Objects, 2018, 13, 155-162.	3.5	21

#	Article	IF	Citations
4232	Design and applications of molecular probes containing porphyrin derivatives. Coordination Chemistry Reviews, 2018, 354, 46-73.	18.8	118
4233	Polyfluorene based conjugated polymer nanoparticles for two-photon live cell imaging. Science China Chemistry, 2018, 61, 88-96.	8.2	22
4234	Characteristics of gradient-interface-structured ZnCdSSe quantum dots with modified interface and its application to quantum-dot-sensitized solar cells. Applied Surface Science, 2018, 429, 16-22.	6.1	13
4235	Stimuli-responsive polymer nano-science: Shape anisotropy, responsiveness, applications. Progress in Polymer Science, 2018, 78, 24-46.	24.7	107
4236	Development and application of a novel fluorescent nanosensor based on FeSe quantum dots embedded silica molecularly imprinted polymer for the rapid optosensing of cyfluthrin. Biosensors and Bioelectronics, 2018, 99, 268-273.	10.1	62
4237	Near infrared quantum dots in biomedical applications: current status and future perspective. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1483.	6.1	113
4238	A cyclo-trimer of acetonitrile combining fluorescent property with ability to induce osteogenesis and its potential as multifunctional biomaterial. Acta Biomaterialia, 2018, 65, 163-173.	8.3	4
4239	Influence of Mn2+ ions on both core/shell of CulnS2/ZnS nanocrystals. Materials Research Bulletin, 2018, 98, 265-274.	5.2	21
4240	Kolloidale Quantennanostrukturen: neue Materialien f $\tilde{A}\frac{1}{4}$ r Displayanwendungen. Angewandte Chemie, 2018, 130, 4354-4376.	2.0	14
4241	Colloidal Quantum Nanostructures: Emerging Materials for Display Applications. Angewandte Chemie - International Edition, 2018, 57, 4274-4295.	13.8	173
4242	Introduction to Atomic Force Microscopy-Based Nanorobotics for Biomedical Applications. Springer Theses, 2018, , 1-20.	0.1	2
4243	Applications of nanotechnology in oil and gas industry: Progress and perspective. Canadian Journal of Chemical Engineering, 2018, 96, 91-100.	1.7	77
4244	Recent Advances in the Generation of Antibody–Nanomaterial Conjugates. Advanced Healthcare Materials, 2018, 7, 1700607.	7.6	88
4245	Rapid detection and subtyping of multiple influenza viruses on a microfluidic chip integrated with controllable micro-magnetic field. Biosensors and Bioelectronics, 2018, 100, 348-354.	10.1	45
4246	Piezotronic effect on the luminescence of quantum dots for micro/nano-newton force measurement. Nano Research, 2018, 11, 1977-1986.	10.4	12
4247	Synthesis of a cationic poly(p-phenylenevinylene) derivative for lysosome-specific and long-term imaging. Chinese Chemical Letters, 2018, 29, 339-341.	9.0	12
4248	One pot synthesis of water stable ZnO quantum dots with binding ability to microbe. Materials Letters, 2018, 210, 207-210.	2.6	10
4249	Ice Squeezing Induced Multicolor Fluorescence Emissions from Polyacrylamide Cryogels. Journal of Fluorescence, 2018, 28, 337-345.	2.5	2

#	Article	IF	Citations
4250	Progress in enhancement of CO2 absorption by nanofluids: A mini review of mechanisms and current status. Renewable Energy, 2018, 118, 527-535.	8.9	252
4251	Brilliant Pitayaâ€Type Silica Colloids with Central–Radial and Highâ€Density Quantum Dots Incorporation for Ultrasensitive Fluorescence Immunoassays. Advanced Functional Materials, 2018, 28, 1705380.	14.9	102
4252	Living cell synthesis of CdSe quantum dots: Manipulation based on the transformation mechanism of intracellular Se-precursors. Nano Research, 2018, 11, 2498-2511.	10.4	23
4253	Terahertz frequency superconductor-nanocomposite photonic band gap. International Journal of Modern Physics B, 2018, 32, 1850056.	2.0	25
4254	Recent advances and developments on integrating nanotechnology with chemiluminescence assays. Talanta, 2018, 180, 1-11.	5 . 5	58
4255	Improvement of the optical and photocatalytic properties of ZnSe QDs by growth of ZnS shell using a new approach. Materials Chemistry and Physics, 2018, 206, 76-84.	4.0	28
4256	Quantum dots as fluorescent probes: Synthesis, surface chemistry, energy transfer mechanisms, and applications. Sensors and Actuators B: Chemical, 2018, 258, 1191-1214.	7.8	221
4257	Identification of the caveolae/raft-mediated endocytosis as the primary entry pathway for aquareovirus. Virology, 2018, 513, 195-207.	2.4	62
4258	Fluorescently labelled nanomaterials in nanosafety research: Practical advice to avoid artefacts and trace unbound dye. NanoImpact, 2018, 9, 102-113.	4.5	21
4259	Paper-based fluorogenic devices for in vitro diagnostics. Biosensors and Bioelectronics, 2018, 102, 256-266.	10.1	50
4260	Characterization of the Ligand Capping of Hydrophobic CdSeâ€"ZnS Quantum Dots Using NMR Spectroscopy. Chemistry of Materials, 2018, 30, 225-238.	6.7	49
4261	A strategy for accurate detection of glucose in human serum and whole blood based on an upconversion nanoparticles-polydopamine nanosystem. Nano Research, 2018, 11, 3164-3174.	10.4	68
4262	Highly selective chromogenic probe for cesium ions prepared from an electrospun film of self-assembled benzenetricarboxyamide nanofibers. Sensors and Actuators B: Chemical, 2018, 255, 325-331.	7.8	5
4263	Magnetic nanoparticles: a versatile carrier for enzymes in bioâ€processing sectors. IET Nanobiotechnology, 2018, 12, 535-548.	3.8	25
4264	Applicability of Quantum Dots in Biomedical Science. , 0, , .		7
4265	Redox-Mediated Quantum Dots as Fluorescence Probe and Their Biological Application. , 0, , .		0
4266	Quantum dot induced acute changes in lung mechanics are mouse strain dependent. Inhalation Toxicology, 2018, 30, 397-403.	1.6	12
4267	Fluorescent Probes for Detection of Protein: From Bench to Bed. Protein and Peptide Letters, 2018, 25, 548-559.	0.9	8

#	Article	IF	CITATIONS
4268	Quantum Dots and Fluorescent and Magnetic Nanocomposites: Recent Investigations and Applications in Biology and Medicine. , $2018, \ldots$		0
4269	Multifunctional quantum dots and liposome complexes in drug delivery. Journal of Biomedical Research, 2018, 32, 91.	1.6	29
4270	Latticed Channel Model of Touchable Communication over Capillary Microcirculation Network. , 2018, , .		1
4271	Liquid Type Nontoxic Photoluminescent Nanomaterials for High Color Quality White-Light-Emitting Diode. Nanoscale Research Letters, 2018, 13, 411.	5.7	8
4272	Bidirectional plasmonic coloration with gold nanoparticles by wavelength-switched photoredox reaction. Nanoscale, 2018, 10, 21910-21917.	5.6	6
4273	Nanostructure and device architecture engineering for high-performance quantum-dot light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 10958-10981.	5.5	32
4274	Encapsulation and solubilization of ultrastable quantum dots with multidentate bilayer ligands and rheological behaviour. Nanoscale, 2018, 10, 20796-20803.	5.6	5
4275	Quantum dots tethered membrane type 3 matrix metalloproteinase-targeting peptide for tumor optical imaging. Journal of Materials Chemistry B, 2018, 6, 7719-7727.	5.8	1
4276	Reversible up-conversion luminescence modulation based on UV-VIS light-controlled photochromism in Er ³⁺ doped Sr ₂ SnO ₄ . Journal of Materials Chemistry C, 2018, 6, 13148-13156.	5.5	60
4277	Fluorescence ELISA based on CAT-regulated fluorescence quenching of CdTe QDs for sensitive detection of FB ₁ . Analytical Methods, 2018, 10, 5797-5802.	2.7	28
4278	Compatibility between the cysteine-cyclopentenedione reaction and the copper(<scp>i</scp>)-catalyzed azideâ€"alkyne cycloaddition. Organic and Biomolecular Chemistry, 2018, 16, 9185-9190.	2.8	0
4279	Simultaneous near-infrared and green fluorescence from single conjugated polymer dots with aggregation-induced emission fluorogen for cell imaging. Journal of Materials Chemistry B, 2018, 6, 7871-7876.	5.8	11
4280	Biomolecule-Conjugated Quantum Dot Nanosensors as Probes for Cellular Dynamic Events in Living Cells. , 0 , , .		1
4281	An evaporation induced self-assembly approach to prepare polymorphic carbon dot fluorescent nanoprobes for protein labelling. Chemical Communications, 2018, 54, 13123-13126.	4.1	11
4282	One-pot copolymerization of epoxides/carbon dioxide and lactide using a ternary catalyst system. Catalysis Science and Technology, 2018, 8, 6452-6457.	4.1	24
4283	Nanostructured silicon-based nanoparticles as label-free photoluminescent probes for in vivo imaging. , 2018, , .		0
4284	Semiconductor quantum dots reveal dipolar coupling from exciton to ligand vibration. Communications Chemistry, 2018, 1 , .	4.5	28
4285	Emerging nanophotonics., 0,, 380-428.		0

#	Article	IF	CITATIONS
4286	Inorganic semiconductor biointerfaces. Nature Reviews Materials, 2018, 3, 473-490.	48.7	154
4287	Evolution of the Ligand Shell Around Small ZnO Nanoparticles During the Exchange of Acetate by Catechol: A Small Angle Scattering Study. ChemNanoMat, 2019, 5, 116-123.	2.8	10
4288	Direct Three-Dimensional Observation of Core/Shell-Structured Quantum Dots with a Composition-Competitive Gradient. ACS Nano, 2018, 12, 12109-12117.	14.6	15
4289	Multiplexed In Vivo Imaging Using Sizeâ€Controlled Quantum Dots in the Second Nearâ€Infrared Window. Advanced Healthcare Materials, 2018, 7, e1800695.	7.6	23
4290	Cadmium-Free Quantum Dots as Fluorescent Labels for Exosomes. Sensors, 2018, 18, 3308.	3.8	22
4291	Proposal of a chip capable of simultaneous excitation of waveguide-mode resonance and surface plasmon resonance for an electro-assisted near-field fluorescence sensor. Japanese Journal of Applied Physics, 2018, 57, 122002.	1.5	O
4292	Applications of Fluorescent Quantum Dots for Reproductive Medicine and Disease Detection. , 0 , , .		5
4293	Multiply-Binding Polymeric Imidazole Ligands: Influence of Molecular Weight and Monomer Sequence on Colloidal Quantum Dot Stability. Journal of Physical Chemistry C, 2018, 122, 26756-26763.	3.1	9
4295	Effects of the carboxylic acid substituents on the photophysical and nonlinear optical properties of asymmetrical Zn(II) phthalocyanines–quantum dots conjugates. Inorganic and Nano-Metal Chemistry, 2018, 48, 296-307.	1.6	3
4296	Development of a smartphone-based rapid dual fluorescent diagnostic system for the simultaneous detection of influenza A and H5 subtype in avian influenza A-infected patients. Theranostics, 2018, 8, 6132-6148.	10.0	29
4298	Design Principles for Trap-Free CsPbX ₃ Nanocrystals: Enumerating and Eliminating Surface Halide Vacancies with Softer Lewis Bases. Journal of the American Chemical Society, 2018, 140, 17760-17772.	13.7	446
4299	Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552.	8.2	336
4300	Enhanced Uptake of Luminescent Quantum Dots by Live Cells Mediated by a Membrane-Active Peptide. ACS Omega, 2018, 3, 17164-17172.	3.5	12
4301	Uncured PDMS inhibits myosin in vitro motility in a microfluidic flow cell. Analytical Biochemistry, 2018, 563, 56-60.	2.4	3
4302	Eu-Doped Ceria Nanocrystals as Nanoenzyme Fluorescent Probes for Biosensing. ACS Applied Nano Materials, 2018, 1, 5722-5735.	5.0	31
4303	Water-Borne Perovskite Quantum Dot-Loaded, Polystyrene Latex Ink. Frontiers in Chemistry, 2018, 6, 453.	3.6	7
4304	Real-Time Visualization of Cell Membrane Damage Using Gadolinium–Schiff Base Complex-Doped Quantum Dots. ACS Applied Materials & Samp; Interfaces, 2018, 10, 35859-35868.	8.0	19
4305	Pressure-Induced Large Emission Enhancements of Cadmium Selenide Nanocrystals. Journal of the American Chemical Society, 2018, 140, 13970-13975.	13.7	69

#	ARTICLE	IF	CITATIONS
4306	Double-decrease of the fluorescence of CdSe/ZnS quantum dots for the detection of zinc(II) dimethyldithiocarbamate (ziram) based on its interaction with gold nanoparticles. Mikrochimica Acta, 2018, 185, 472.	5.0	21
4307	A critical review on the metal sensing capabilities of optically active nanomaterials: Limiting factors, mechanism, and performance evaluation. TrAC - Trends in Analytical Chemistry, 2018, 109, 227-246.	11.4	25
4308	Manganese-Doped Zinc Sulfide Quantum Dots for Methane Detection in Aqueous Media. Defect and Diffusion Forum, 2018, 386, 229-235.	0.4	1
4309	Recent progress in macrocyclic amphiphiles and macrocyclic host-based supra-amphiphiles. Materials Chemistry Frontiers, 2018, 2, 2152-2174.	5.9	102
4310	Synthesis and Characterization of Oligothiophene–Porphyrin-Based Molecules That Can Be Utilized for Optical Assignment of Aggregated Amyloid-β Morphotypes. Frontiers in Chemistry, 2018, 6, 391.	3.6	8
4311	Bacteria photosensitized by intracellular gold nanoclusters for solar fuel production. Nature Nanotechnology, 2018, 13, 900-905.	31.5	362
4312	Interfacing enzymes with silicon nanocrystals through the thiol–ene reaction. Nanoscale, 2018, 10, 18706-18719.	5.6	18
4313	Ultrafast Dynamics of Charge Transfer and Photochemical Reactions in Solar Energy Conversion. Advanced Science, 2018, 5, 1800221.	11.2	34
4314	Role of Bioconjugated Quantum Dots in Detection and Reduction of Pathogenic Microbes. , 2018, , 667-688.		1
4315	Mimicking Cell Surface Enhancement of Protease Activity on the Surface of a Quantum Dot Nanoparticle. Bioconjugate Chemistry, 2018, 29, 3783-3792.	3.6	15
4316	Tunable Aggregation-Induced Multicolor Emission of Organic Nanoparticles by Varying the Substituent in Naphthalene Diimide. Langmuir, 2018, 34, 14328-14341.	3.5	25
4317	Structure, luminescence, and bioimaging of bimetallic CuAu nanoclusters. Optical Materials, 2018, 86, 291-297.	3.6	6
4318	Enzyme-Driven Switchable Fluorescence-SERS Diagnostic Nanococktail for the Multiplex Detection of Lung Cancer Biomarkers. ACS Applied Materials & Samp; Interfaces, 2018, 10, 38807-38818.	8.0	49
4319	Enhancing Color Conversion Efficiency of Quantum Dot LED by Electric Field Assistance., 2018,,.		0
4320	The Role of Colloidal Stability and Charge in Functionalization of Aqueous Quantum Dots. Accounts of Chemical Research, 2018, 51, 2949-2956.	15.6	34
4321	Coreâ€"Shell HA-AuNPs@SiNPs Nanoprobe for Sensitive Fluorescence Hyaluronidase Detection and Cell Imaging. ACS Sustainable Chemistry and Engineering, 2018, 6, 16555-16562.	6.7	30
4322	Single-Molecule Rotation for EGFR Conformational Dynamics in Live Cells. Journal of the American Chemical Society, 2018, 140, 15161-15165.	13.7	24
4323	Galactose Multivalency Effect on the Cell Uptake Mechanism of Bioconjugated Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 25651-25660.	3.1	30

#	Article	IF	CITATIONS
4324	AIE-Active Fluorescent Nonconjugated Polymer Dots for Dual-Alternating-Color Live Cell Imaging. Industrial & Engineering Chemistry Research, 2018, 57, 14889-14898.	3.7	15
4325	Aggregation-Induced Emission and White Luminescence from a Combination of π-Conjugated Donor–Acceptor Organic Luminogens. ACS Omega, 2018, 3, 13757-13771.	3.5	51
4326	Highly fluorescent, monolithic semiconductor nanorod clusters for ultrasensitive biodetection. Chemical Communications, 2018, 54, 11352-11355.	4.1	4
4327	Photocatalytic Activity of Polymer Nanoparticles Modulates Intracellular Calcium Dynamics and Reactive Oxygen Species in HEK-293 Cells. Frontiers in Bioengineering and Biotechnology, 2018, 6, 114.	4.1	36
4328	Building bridges between halide perovskite nanocrystals and thin-film solar cells. Sustainable Energy and Fuels, 2018, 2, 2381-2397.	4.9	37
4329	Interface Engineering Strategies for Fabricating Nanocrystal-Based Organic–Inorganic Nanocomposites. Applied Sciences (Switzerland), 2018, 8, 1376.	2.5	14
4330	2D molecular precursor for a one-pot synthesis of semiconducting metal sulphide nanocrystals. Bulletin of Materials Science, 2018, 41, 1.	1.7	3
4331	Inorganic nanotheranostics: Strategy development and applications. , 2018, , 377-419.		3
4332	Photochromic fluorophores at the molecular and nanoparticle levels: fundamentals and applications of diarylethenes. NPG Asia Materials, 2018, 10, 859-881.	7.9	116
4333	Mini-LED and Micro-LED: Promising Candidates for the Next Generation Display Technology. Applied Sciences (Switzerland), 2018, 8, 1557.	2.5	498
4334	Enriching Mn-Doped ZnSe Quantum Dots onto Mesoporous Silica Nanoparticles for Enhanced Fluorescence/Magnetic Resonance Imaging Dual-Modal Bio-Imaging. ACS Applied Materials & Samp; Interfaces, 2018, 10, 34060-34067.	8.0	72
4335	Supported lipid bilayers with encapsulated quantum dots (QDs) <i>via</i> li> liposome fusion: effect of QD size on bilayer formation and structure. Nanoscale, 2018, 10, 17965-17974.	5.6	24
4336	One-Pot Gram-Scale Synthesis of Hydrogen-Terminated Silicon Nanoparticles. Chemistry of Materials, 2018, 30, 6503-6512.	6.7	30
4337	Multifunctional Rare-Earth Element Nanocrystals for Cell Labeling and Multimodal Imaging. ACS Biomaterials Science and Engineering, 2018, 4, 3578-3587.	5.2	14
4338	Increasing Light Absorption and Collection Using Engineered Structures. , 0, , .		0
4339	Proton Irradiation Effects on Colloidal InGaP/ZnS Core–Shell Quantum Dots Embedded in Polydimethylsiloxane: Discriminating Core from Shell Radiation-Induced Defects through Time-Resolved Photoluminescence Analysis. Journal of Physical Chemistry C, 2018, 122, 22170-22177.	3.1	7
4340	Quantum dots cause acute systemic toxicity in lactating rats and growth restriction of offspring. Nanoscale, 2018, 10, 11564-11577.	5.6	33
4341	Synthesis of tailor-made colloidal semiconductor heterostructures. Chemical Communications, 2018, 54, 7109-7122.	4.1	20

#	Article	IF	CITATIONS
4342	Optical oxygen sensing with quantum dot conjugates. Pure and Applied Chemistry, 2018, 90, 1359-1377.	1.9	7
4343	Exploring Molecular-Biomembrane Interactions with Surface Plasmon Resonance and Dual Polarization Interferometry Technology: Expanding the Spotlight onto Biomembrane Structure. Chemical Reviews, 2018, 118, 5392-5487.	47.7	61
4344	Preparation of carboxylated silver nanoparticles via a reverse micelle method and covalent stacking onto porous substrates via amide bond formation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 98-102.	4.7	6
4345	Hybrid Gold/Silica/Quantum-Dots supramolecular-nanostructures encapsulated in polymeric micelles as potential theranostic tool for targeted cancer therapy. European Polymer Journal, 2018, 105, 38-47.	5.4	30
4346	Doping Method Determines Para- or Superparamagnetic Properties of Photostable and Surface-Modifiable Quantum Dots for Multimodal Bioimaging. Chemistry of Materials, 2018, 30, 4233-4241.	6.7	9
4347	Size-, Shape- and Charge-Dependent Pharmacokinetics of Radiolabeled Nanoparticles. Biological and Medical Physics Series, 2018, , 313-329.	0.4	0
4348	Exogenous Radionanomedicine: Inorganic Nanomaterials. Biological and Medical Physics Series, 2018, , 13-47.	0.4	2
4350	Intramolecular Charge Transfer and Local Excitation in Organic Fluorescent Photoredox Catalysts Explained by RASCI-PDFT. Journal of Physical Chemistry C, 2018, 122, 12061-12070.	3.1	16
4351	Functional Bioinorganic Hybrids from Enzymes and Luminescent Silicon-Based Nanoparticles. Langmuir, 2018, 34, 6556-6569.	3.5	16
4352	Comparative toxicity assessment of novel Si quantum dots and their traditional Cd-based counterparts using bacteria models <i>Shewanella oneidensis</i> and <i>Bacillus subtilis</i> Environmental Science: Nano, 2018, 5, 1890-1901.	4.3	37
4353	Luminescence and Nonlinear Optical Properties of Hybrid Associates of Ag2S Quantum Dots with Molecules of Thiazine Dyes. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 124, 673-680.	0.6	11
4354	Synthesis, Characterization, and Biodistribution of Quantum Dot-Celecoxib Conjugate in Mouse Paw Edema Model. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8.	4.0	10
4355	Synthesis of InP/ZnS Nanocrystals and Phase Transfer by Hydrolysis of Ester. Zeitschrift Fur Physikalische Chemie, 2018, 233, 55-67.	2.8	1
4356	Multiplexed immunochemical techniques for the detection ofÂpollutants in aquatic environments. TrAC - Trends in Analytical Chemistry, 2018, 106, 1-10.	11.4	18
4357	Fluorescence sensing telomerase activity: From extracellular detection to in situ imaging. Sensors and Actuators B: Chemical, 2018, 273, 853-861.	7.8	22
4358	Ratiometric fluorescence sensor based on cholesterol oxidase-functionalized mesoporous silica nanoparticle@ZIF-8 core-shell nanocomposites for detection of cholesterol. Talanta, 2018, 188, 708-713.	5.5	50
4359	Non-Toxic Gold Nanoclusters for Solution-Processed White Light-Emitting Diodes. Scientific Reports, 2018, 8, 8860.	3.3	25
4360	Use of nanostructured materials in medical diagnostics. , 2018, , 319-338.		2

#	Article	IF	CITATIONS
4361	Semiconductor Nanoplatelets: A New Class of Ultrabright Fluorescent Probes for Cytometric and Imaging Applications. ACS Applied Materials & Samp; Interfaces, 2018, 10, 24739-24749.	8.0	15
4362	Electrically tunable photoluminescence of semiconducting quantum dots doped nematic liquid crystal nanocomposites. AIP Conference Proceedings, 2018, , .	0.4	3
4363	Mechanistic investigation of the sulfur precursor evolution in the synthesis of highly photoluminescent Cd _{0.15} Zn _{0.85} S quantum dots. New Journal of Chemistry, 2018, 42, 14779-14788.	2.8	8
4364	Dynamics of radiolytic formation of CdSe quantum dots in aqueous solution containing different alcohols: A pulse radiolysis study. Radiation Physics and Chemistry, 2018, 152, 49-55.	2.8	6
4365	Lanthanide Doped Near Infrared Active Upconversion Nanophosphors: Fundamental Concepts, Synthesis Strategies, and Technological Applications. Small, 2018, 14, e1801304.	10.0	103
4366	Characterization Methods for Nanostructure ofÂMaterials. , 2018, , 255-300.		3
4367	Development of a TiO ₂ /SiO ₂ waveguide-mode chip for an ultraviolet near-field fluorescence sensor. Optics Express, 2018, 26, 6796.	3.4	1
4368	The pH Effect on Thermal Response of Fluorescence Spectroscopy of Graphene Quantum Dots for Nanoscale Thermal Characterization. Journal of Engineering Thermophysics, 2018, 27, 345-356.	1.4	6
4369	Size-Dependent Band-Gap and Molar Absorption Coefficients of Colloidal CuInS ₂ Quantum Dots. ACS Nano, 2018, 12, 8350-8361.	14.6	122
4370	The Influence of Surface-Modification Technology on the Spectral Characteristics of Hydrophilic CdSe/ZnS Nanoparticles upon Interaction with Polyelectrolytes. Optics and Spectroscopy (English) Tj ETQq $1\ 1\ 0$.	78 43 14 rg	gB 3 /Overloc
4371	Click Chemistry-Based DNA Labeling of Cells for Barcoding Applications. Bioconjugate Chemistry, 2018, 29, 2846-2854.	3.6	12
4372	One-Pot Green Synthesis of Biocompatible Graphene Quantum Dots and Their Cell Uptake Studies. ACS Applied Bio Materials, 2018, 1, 452-461.	4.6	52
4373	Engineered Nanomaterial in Electronics and Electrical Industries. , 2018, , 324-364.		13
4374	Nontoxic silver nanocluster-induced folding, fibrillation, and aggregation of blood plasma proteins. International Journal of Biological Macromolecules, 2018, 119, 838-848.	7.5	10
4375	Organic Semiconducting Agents for Deepâ€Tissue Molecular Imaging: Second Nearâ€Infrared Fluorescence, Selfâ€Luminescence, and Photoacoustics. Advanced Materials, 2018, 30, e1801778.	21.0	434
4376	The effect of surface charge on the cytotoxicity and uptake of carbon quantum dots in human umbilical cord derived mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2018, 171, 241-249.	5.0	53
4377	Nanocarriers in Drug and Gene Delivery. , 2018, , 71-102.		1
4378	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. Chemical Reviews, 2018, 118, 7409-7531.	47.7	490

#	Article	IF	Citations
4379	Recent progress on micro- and nano-robots: towards in vivo tracking and localization. Quantitative Imaging in Medicine and Surgery, 2018, 8, 461-479.	2.0	64
4380	Near-infrared light-mediated rare-earth nanocrystals: recent advances in improving photon conversion and alleviating the thermal effect. NPG Asia Materials, 2018, 10, 685-702.	7.9	68
4381	A peptide–WS ₂ nanosheet based biosensing platform for determination of β-secretase and screening of its inhibitors. Analyst, The, 2018, 143, 4585-4591.	3.5	24
4382	"Smart―Nanoprobes for Visualization of Tumor Microenvironments. Advanced Healthcare Materials, 2018, 7, e1800391.	7.6	47
4383	Characterizing the Surface Coverage of Protein–Gold Nanoparticle Bioconjugates. Bioconjugate Chemistry, 2018, 29, 2691-2700.	3.6	45
4384	Label-Free Bioanalyte Detection from Nanometer to Micrometer Dimensions—Molecular Imprinting and QCMs â€. Biosensors, 2018, 8, 52.	4.7	26
4385	Detection and Digital Resolution Counting of Nanoparticles with Optical Resonators and Applications in Biosensing. Chemosensors, 2018, 6, 13.	3.6	2
4386	Reusable Xerogel Containing Quantum Dots with High Fluorescence Retention. Polymers, 2018, 10, 310.	4.5	9
4387	Fluorescent Nanobiosensors for Sensing Glucose. Sensors, 2018, 18, 1440.	3.8	76
4388	Engineered nanomaterials and human health: Part 1. Preparation, functionalization and characterization (IUPAC Technical Report). Pure and Applied Chemistry, 2018, 90, 1283-1324.	1.9	41
4389	Recent Progress in Upconversion Photodynamic Therapy. Nanomaterials, 2018, 8, 344.	4.1	106
4390	Synthesis and Characterizations of ZnS:Cu/ZnS Assisted by 3-Mercaptopropionic Acid. Chemistry Africa, 2018, 1, 37-42.	2.4	1
4391	Hidden gapless states during thermal transformations of preorganized zinc alkoxides to zinc oxide nanocrystals. Materials Horizons, 2018, 5, 905-911.	12.2	11
4392	Size-dependent structural phase transitions and their correlation with photoluminescence and optical absorption behavior of annealed Zn0.45Cd0.55S quantum dots. Materials Characterization, 2018, 144, 247-263.	4.4	16
4393	Nanotechnology: a promising method for oral cancer detection and diagnosis. Journal of Nanobiotechnology, 2018, 16, 52.	9.1	98
4394	Polyglycerols. , 2018, , 103-171.		11
4395	Designing Superoxide-Generating Quantum Dots for Selective Light-Activated Nanotherapy. Frontiers in Chemistry, 2018, 6, 46.	3.6	25
4396	Application of DNA Machineries for the Barcode Patterned Detection of Genes or Proteins. Analytical Chemistry, 2018, 90, 6468-6476.	6.5	9

#	ARTICLE	IF	Citations
4397	Direct Competitive Biomimetic Immunoassay Based on Quantum Dot Label for Simultaneous Determination of Two Pesticide Residues in Fruit and Vegetable Samples. Food Analytical Methods, 2018, 11, 3015-3022.	2.6	11
4398	Luminescence-Tunable Polynorbornenes for Simultaneous Multicolor Imaging in Subcellular Organelles. Biomacromolecules, 2018, 19, 2750-2758.	5.4	10
4399	Excitonic Energy Transfer within InP/ZnS Quantum Dot Langmuir–Blodgett Assemblies. Journal of Physical Chemistry C, 2018, 122, 11616-11622.	3.1	27
4401	Progress on electrochemical sensors for the determination of heavy metal ions from contaminated water. Journal of the Chinese Advanced Materials Society, 2018, 6, 91-111.	0.7	37
4402	Synthesis, functionalization, and nanomedical applications of functional magnetic nanoparticles. Chinese Chemical Letters, 2018, 29, 1601-1608.	9.0	111
4403	Adverse Interactions of Luminescent Semiconductor Quantum Dots with Liposomes and <i>Shewanella oneidensis</i>). ACS Applied Nano Materials, 2018, 1, 4788-4800.	5.0	20
4405	Trace of increasing dot size in porous silicon systems of same thicknesses. Journal of Crystal Growth, 2018, 501, 43-48.	1.5	1
4406	New candidates for the global minimum of medium-sized silicon clusters: A hybrid DFTB/DFT genetic algorithm applied to $Si < i > n < /i > = 8-80$. Journal of Chemical Physics, 2018, 149, 074313.	3.0	11
4407	TEMED Enhanced Photoluminescent Imaging of Human Serum Proteins by Quantum Dots After PAGE. Methods in Molecular Biology, 2018, 1853, 105-114.	0.9	0
4408	Development of quantum dot-based biosensors: principles and applications. Journal of Materials Chemistry B, 2018, 6, 6173-6190.	5.8	119
4409	Water-Soluble Conjugates of ZnS:Mn Quantum Dots with Chlorin e6 for Photodynamic Therapy. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 94-98.	0.6	4
4410	Exploring Factors for the Design of Nanoparticles as Drug Delivery Vectors. ChemPhysChem, 2018, 19, 2810-2828.	2.1	13
4411	Current and Emerging Technologies for Rapid Detection of Pathogens. , 2018, , .		9
4412	Fluorescent biosensor for the selective determination of dopamine by TGA-capped CdTe quantum dots in human plasma samples. Optical Materials, 2018, 84, 757-762.	3.6	25
4413	Amino-Acid-Mediated Biomimetic Formation of Light-Harvesting Antenna Capable of Hydrogen Evolution. ACS Applied Bio Materials, 2018, 1, 748-755.	4.6	26
4414	Advances in nanomaterials for brain microscopy. Nano Research, 2018, 11, 5144-5172.	10.4	14
4415	A Review on Green Synthesis, Biomedical Applications, and Toxicity Studies of ZnO NPs. Bioinorganic Chemistry and Applications, 2018, 2018, 1-12.	4.1	248
4416	Cu-Mn codoped ZnS quantum dots-based ratiometric fluorescent sensor for folic acid. Analytica Chimica Acta, 2018, 1040, 136-142.	5.4	50

#	Article	IF	CITATIONS
4417	Quantum Dot–Dye Conjugates for Biosensing, Imaging, and Therapy. Advanced Healthcare Materials, 2018, 7, e1800252.	7.6	51
4418	A selective morphine nanosensor derived from functionalized CdS quantum dots. Materials Letters, 2018, 228, 68-71.	2.6	9
4419	MPA-modified CdTe quantum dots increased interleukin-1beta secretion through MyD88-dependent Toll-like receptor pathway and NLRP3 inflammasome activation in microglia. Toxicology in Vitro, 2018, 52, 41-51.	2.4	26
4420	A multi-channel optical filter by means of one dimensional n doped semiconductor dielectric photonic crystals. Materials Chemistry and Physics, 2018, 216, 191-196.	4.0	24
4421	A Facile Approach for Doxorubicine Delivery in Cancer Cells by Responsive and Fluorescent Core/Shell Quantum Dots. Bioconjugate Chemistry, 2018, 29, 2248-2256.	3.6	16
4422	One-Pot Synthesis and Surface Modification of Lauric-Acid-Capped CoFe ₂ O ₄ Nanoparticles. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	3
4423	Galactose-Functionalized, Colloidal-Fluorescent Nanoparticle from Aggregation-Induced Emission Active Molecule via Polydopamine Coating for Cancer Cell Targeting. ACS Applied Nano Materials, 2018, 1, 3531-3540.	5.0	19
4424	ExploitingÂStokesÂand antiâ€Stokes type emission profiles of aptamerâ€functionalized luminescent nanoprobes forÂmultiplex sensing applications. ChemistrySelect, 2018, 3, 5814-5823.	1.5	25
4425	A Facile Approach to Generate Cross-Linked Poly(cyclotriphosphazene-co-oxyresveratrol) Nanoparticle with Intrinsically Fluorescence. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2258-2263.	3.7	15
4426	Charged nanoparticle induced pattern formation and dynamic re-organisation on model biomembranes. Journal Physics D: Applied Physics, 2018, 51, 304002.	2.8	5
4427	Highâ€Performance Red/Nearâ€IR Carbon Dots as Fluorescence Probes for Tumor Imaging <i>In Vivo</i> ChemistrySelect, 2018, 3, 6374-6381.	1.5	13
4428	Simultaneous effects of electric field, shallow donor impurity and geometric shape on the electronic states in ellipsoidal ZnS/CdSe core-shell quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 300-306.	2.7	12
4429	Carbon quantum dots embedded mesoporous silica for rapid fluorescent detection of acidic gas. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 170-176.	3.9	20
4430	Extracellular Vesicles: Nature's Own Nanoparticles. , 2019, , 27-48.		5
4431	Effect of the exposure to Mn-doped ZnS nanoparticles on biomarkers in the freshwater western mosquitofish <i>Gambusia affinis</i> . International Journal of Environmental Health Research, 2019, 29, 60-70.	2.7	9
4432	Highâ€Performance Biosensing Systems Based on Various Nanomaterials as Signal Transducers. Biotechnology Journal, 2019, 14, e1800249.	3.5	21
4433	Protein–Metalâ€lon Networks: A Unique Approach toward Metal Sulfide Nanoparticles Embedded In Situ in Nanocomposites. Chemistry - A European Journal, 2019, 25, 904-912.	3.3	10
4434	cRGD functionalised nanocarriers for targeted delivery of bioactives. Journal of Drug Targeting, 2019, 27, 111-124.	4.4	32

#	Article	IF	CITATIONS
4435	Low-fouling and highly sensitive fluorescence immunoassay of protein in serum based on the antifouling magnetic beads. Bioanalysis, 2019, 11, 825-935.	1.5	1
4436	Upconversion Luminescence Sandwich Assay For Detection of Influenza H7 Subtype. Advanced Healthcare Materials, 2019, 8, e1900575.	7.6	15
4437	Interaction between nitroxyl radicals and CdTe quantum dots: Determination of fluorescence-quenching mechanisms in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 383, 112024.	3.9	7
4438	Exploring the magnetic ground state of vanadium doped zinc sulphide. Semiconductor Science and Technology, 2019, 34, 105006.	2.0	31
4439	Optical biosensing of Streptococcus agalactiae based on core/shell magnetic nanoparticle-quantum dot. Analytical and Bioanalytical Chemistry, 2019, 411, 6733-6743.	3.7	11
4440	Riboflavin-Terminated, Multivalent Quantum Dot as Fluorescent Cell Imaging Probe. Langmuir, 2019, 35, 11380-11388.	3.5	12
4441	Concentric FRET: a review of the emerging concept, theory, and applications. Methods and Applications in Fluorescence, 2019, 7, 042001.	2.3	19
4442	Inverted ZnSe/CdSe core–shell nanobelts with type-I behavior: preparation, photoelectrochemical and photocatalytic performances. CrystEngComm, 2019, 21, 5482-5491.	2.6	8
4443	Non-Markovian Exciton-Phonon Interactions in Core-Shell Colloidal Quantum Dots at Femtosecond Timescales. Physical Review Letters, 2019, 123, 057403.	7.8	25
4444	Progress in miRNA Detection Using Graphene Material–Based Biosensors. Small, 2019, 15, e1901867.	10.0	36
4445	Nitrogen-doped fluorescent carbon dots used for the imaging and tracing of different cancer cells. RSC Advances, 2019, 9, 24852-24857.	3.6	7
4446	Optical characterization of aqueous colloidal CdSeS/ZnS nanocrystals for biosensor application. AIP Conference Proceedings, 2019, , .	0.4	0
4447	Multifunctional quaternized carbon dots with enhanced biofilm penetration and eradication efficiencies. Journal of Materials Chemistry B, 2019, 7, 5104-5114.	5.8	95
4448	Microwave Assisted Sol-Gel Synthesis of Silica-Spider Silk Composites. Molecules, 2019, 24, 2521.	3.8	6
4449	Antibody-guided nanomedicines as novel breakthrough therapeutic, diagnostic and theranostic tools. Biomaterials Science, 2019, 7, 4000-4016.	5.4	44
4450	Measuring Nanoparticle Polarizability Using Fluorescence Microscopy. Nano Letters, 2019, 19, 5762-5768.	9.1	18
4451	Quantum dot encapsulated nanocolloidal bioconjugates function as bioprobes for in vitro intracellular imaging. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110348.	5.0	9
4452	Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery. Chemical Reviews, 2019, 119, 9559-9656.	47.7	368

#	Article	IF	CITATIONS
4453	Chemical Reactions Involving the Surface of Metal Chalcogenide Quantum Dots. Langmuir, 2019, 35, 14399-14413.	3.5	14
4454	Maximal quantum scattering by homogeneous spherical inclusions. Physical Review B, 2019, 100, .	3.2	11
4455	Quantum Dot Nanobeacons for Single RNA Labeling and Imaging. Journal of the American Chemical Society, 2019, 141, 13454-13458.	13.7	67
4456	The key to controlling the morphologies of quantum nanocrystals: spherical carborane ligands. Chemical Communications, 2019, 55, 9817-9820.	4.1	7
4457	Aptamer and nanomaterial based FRET biosensors: a review on recent advances (2014–2019). Mikrochimica Acta, 2019, 186, 563.	5.0	116
4458	Direct surface modification of semiconductor quantum dots with metal–organic frameworks. CrystEngComm, 2019, 21, 5568-5577.	2.6	21
4459	Antibody-conjugated near-infrared luminescent silicon quantum dots for biosensing. MRS Communications, 2019, 9, 1079-1086.	1.8	11
4460	Highly Multiplexed, Quantitative Tissue Imaging at Cellular Resolution. Current Pathobiology Reports, 2019, 7, 109-118.	3.4	2
4461	Tumor Targeting Strategies of Smart Fluorescent Nanoparticles and Their Applications in Cancer Diagnosis and Treatment. Advanced Materials, 2019, 31, e1902409.	21.0	173
4462	Measurement of Sub-femtomolar Concentrations of Prostate-Specific Antigen through Single-Molecule Counting with an Upconversion-Linked Immunosorbent Assay. Analytical Chemistry, 2019, 91, 9435-9441.	6.5	62
4463	A novel cucurbit[6]uril-based supramolecular coordination assembly as a multi-responsive luminescent sensor for Fe ³⁺ , Cr ₂ O ₇ ^{2â^2} and isoquinoline antibiotics in aqueous medium. Journal of Materials Chemistry C, 2019, 7, 8992-8999.	5.5	45
4464	Quantum dots from microfluidics for nanomedical application. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1567.	6.1	29
4465	In Situ Photoluminescence of Colloidal Quantum Dots During Gas Exposureâ€"The Role of Water and Reactive Atomic Layer Deposition Precursors. ACS Applied Materials & Interfaces, 2019, 11, 26277-26287.	8.0	9
4466	Ultrabright dye-loaded spherical polyelectrolyte brushes and their fundamental structure-fluorescence tuning principles. Nanoscale, 2019, 11, 14050-14059.	5.6	14
4467	Inhibiting the Surface Oxidation of Low-Cadmim-Content ZnS:(Cd,Se) Quantum Dots for Enhancing Application Reliability. ACS Applied Nano Materials, 2019, 2, 5290-5301.	5.0	33
4468	Quantum dots in single molecule spectroscopy. , 2019, , 163-228.		5
4469	Effect of Lateral Size and Surface Passivation on the Near-Band-Edge Excitonic Emission from Quasi-Two-Dimensional CdSe Nanoplatelets. ACS Applied Materials & Samp; Interfaces, 2019, 11, 41821-41827.	8.0	23
4470	Low Dose of Xâ∈Rayâ∈Excited Longâ∈Lasting Luminescent Concave Nanocubes in Highly Passive Targeting Deepâ∈Seated Hepatic Tumors. Advanced Materials, 2019, 31, e1905087.	21.0	52

#	Article	IF	Citations
4471	Current and emerging tools for detecting protozoan cysts and oocysts in water. TrAC - Trends in Analytical Chemistry, 2019, 121, 115695.	11.4	24
4472	Reactivity of ZrO(MFP) and ZrO(RP) Nanoparticles with LnCl 3 for Solvatochromic Luminescence Modification and pHâ€Dependent Optical Sensing. Chemistry - A European Journal, 2019, 25, 16630-16638.	3.3	2
4473	Rapid Synthesis of Sulfur Nanodots by One-Step Hydrothermal Reaction for Luminescence-Based Applications. ACS Applied Nano Materials, 2019, 2, 6622-6628.	5.0	76
4474	Functional Layered Double Hydroxide Nanohybrids for Biomedical Imaging. Nanomaterials, 2019, 9, 1404.	4.1	25
4475	Enzymatic Preparation of Plasmonic-Fluorescent Quantum Dot-Gold Hybrid Nanoprobes for Sensitive Detection of Glucose and Alkaline Phosphatase and Dual-Modality Cell Imaging. Analytical Chemistry, 2019, 91, 14074-14079.	6.5	14
4476	Potential Mechanisms Underlying Therapeutic Benefits of Stem Cell for Heart Failure. Nano LIFE, 2019, 09, 1941004.	0.9	0
4478	Gold―and Silverâ€Coated Barium Titanate Nanocomposites as Probes for Twoâ€Photon Multimodal Microspectroscopy. Advanced Functional Materials, 2019, 29, 1904289.	14.9	22
4479	Artificial Multienzyme Scaffolds: Pursuing <i>in Vitro</i> Substrate Channeling with an Overview of Current Progress. ACS Catalysis, 2019, 9, 10812-10869.	11.2	115
4480	An Overview of High Frequency Acoustic Sensorsâ€"QCMs, SAWs and FBARsâ€"Chemical and Biochemical Applications. Sensors, 2019, 19, 4395.	3.8	79
4481	Size dependence of photocatalytic hydrogen generation for CdTe quantum dots. Journal of Chemical Physics, 2019, 151, 174707.	3.0	14
4482	Near-infrared lead chalcogenide quantum dots: Synthesis and applications in light emitting diodes*. Chinese Physics B, 2019, 28, 128504.	1.4	14
4484	Excitons in Carbonic Nanostructures. Journal of Carbon Research, 2019, 5, 71.	2.7	41
4485	Enzyme-Catalyzed in Situ Synthesis of Temporally and Spatially Distinct CdSe Quantum Dots in Biological Backgrounds. Journal of Physical Chemistry C, 2019, 123, 27187-27195.	3.1	4
4486	Simple Synthesis Method and Characterizations of Aggregation-Free Cysteamine Capped PbS Quantum Dot. Applied Sciences (Switzerland), 2019, 9, 4661.	2.5	6
4487	Investigation of the plasmon resonance of core-shell nanoparticle in the near-infrared region. Journal of Electromagnetic Waves and Applications, 2019, 33, 2462-2475.	1.6	7
4488	Photoinduced Reversible Modulation of Fluorescence of CdSe/ZnS Quantum Dots in Solutions with Diarylethenes. Journal of Fluorescence, 2019, 29, 1311-1320.	2.5	13
4489	The dual–function of lipoic acid groups as surface anchors and sulfhydryl reactive sites on polymer–stabilized QDs and Au nanocolloids. Journal of Chemical Physics, 2019, 151, 164703.	3.0	15
4490	Large emission enhancement and emergence of strong coupling with plasmons in nanoassemblies: Role of quantum interactions and finite emitter size. Physical Review B, 2019, 100, .	3.2	10

#	Article	IF	Citations
4491	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. Nano-Micro Letters, 2019, 11, 86.	27.0	37
4492	Silicon Nanocrystals and Their Composites: Syntheses, Fluorescence Mechanisms, and Biological Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 18213-18227.	6.7	50
4493	Latticed Channel Model of Touchable Communication Over Capillary Microcirculation Network. IEEE Transactions on Nanobioscience, 2019, 18, 669-678.	3.3	9
4494	Engineering Organic/Inorganic Nanohybrids through RAFT Polymerization for Biomedical Applications. Biomacromolecules, 2019, 20, 4243-4257.	5.4	35
4495	Cancer Nanotechnology: A New Revolution for Cancer Diagnosis and Therapy. Current Drug Metabolism, 2019, 20, 416-429.	1.2	220
4496	Elucidating the Role of Surface Coating in the Promotion or Prevention of Protein Corona around Quantum Dots. Bioconjugate Chemistry, 2019, 30, 2469-2480.	3.6	28
4497	Carbon Dots as an Effective Fluorescent Sensing Platform for Metal Ion Detection. Nanoscale Research Letters, 2019, 14, 272.	5.7	165
4498	Plasmonic resonance energy transfer from a Au nanosphere to quantum dots at a single particle level and its homogenous immunoassay. Chemical Communications, 2019, 55, 11442-11445.	4.1	21
4499	Coherent energy transfer of a pair of two-level atoms. Modern Physics Letters B, 2019, 33, 1950281.	1.9	1
4500	Dual-functional supramolecular nanohybrids of quantum dot/biopolymer/chemotherapeutic drug for bioimaging and killing brain cancer cells in vitro. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110507.	5.0	27
4501	Next-generation nanotheranostics targeting cancer stem cells. Nanomedicine, 2019, 14, 2487-2514.	3.3	19
4502	Quantum dot cellular uptake and toxicity in the developing brain: implications for use as imaging probes. Nanoscale Advances, 2019, 1, 3424-3442.	4.6	34
4503	Self-assembled quantum dot microstructure guided by a microemulsion approach for immunoassays. RSC Advances, 2019, 9, 26838-26842.	3.6	4
4504	Lifetime Enhancement of a Circulated Cooling Perovskite Quantum Dots Colloidal Solution System for Laser Illuminations. IEEE Access, 2019, 7, 136214-136222.	4.2	5
4505	Evaluation for Adverse Effects of InP/ZnS Quantum Dots on the in Vitro Cultured Oocytes of Mice. ACS Applied Bio Materials, 2019, 2, 4193-4201.	4.6	6
4506	Quantum Dots as Promising Theranostic Tools Against Amyloidosis: A Review. Protein and Peptide Letters, 2019, 26, 555-563.	0.9	7
4507	Nanoscale assembly of optoelectronic CdTe microwires using AC dielectrophoresis. Sensors and Actuators A: Physical, 2019, 297, 111534.	4.1	1
4508	Bright Cool White Emission from Ultrasmall CdSe Quantum Dots. Chemistry of Materials, 2019, 31, 8558-8562.	6.7	22

#	Article	IF	CITATIONS
4509	Heterodimerizing helices as tools for nanoscale control of the organization of protein-protein and protein-quantum dots. Biochimie, 2019, 167, 93-105.	2.6	4
4510	Synthetic development in Cd–Zn–Se quantum dots chemistry. Optical Materials, 2019, 97, 109385.	3.6	5
4511	Influence of pH on interaction of silver nanoparticles - protein: Analyses by spectroscopic and thermodynamic ideology. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110524.	5.0	19
4512	3D quantum theranosomes: a new direction for label-free theranostics. Nanoscale Horizons, 2019, 4, 495-515.	8.0	1
4513	Quantum 3D thermal imaging at the micro–nanoscale. Nanoscale, 2019, 11, 2249-2263.	5.6	4
4514	Molecular design of near-infrared fluorescent Pdots for tumor targeting: aggregation-induced emission <i>versus</i> anti-aggregation-caused quenching. Chemical Science, 2019, 10, 198-207.	7.4	57
4515	Activatable cell–biomaterial interfacing with photo-caged peptides. Chemical Science, 2019, 10, 1158-1167.	7.4	21
4516	Optimierung photodynamischer Krebstherapien auf der Grundlage physikalischâ€chemischer Faktoren. Angewandte Chemie, 2019, 131, 14204-14219.	2.0	10
4517	Ultrafast narrowband exciton routing within layered perovskite nanoplatelets enables low-loss luminescent solar concentrators. Nature Energy, 2019, 4, 197-205.	39.5	132
4518	Hybrid lipid–nanoparticle complexes for biomedical applications. Journal of Materials Chemistry B, 2019, 7, 695-708.	5.8	53
4519	Fluorescence-quenching CdTe quantum dots applied for identification of cocaine-structure analogues. Analytical Methods, 2019, 11, 185-191.	2.7	9
4520	Enhancement of photostability and fluorescence quantum yield of DXP in solid state by using mixed solvent. Chemical Physics Letters, 2019, 717, 119-123.	2.6	1
4521	Surfactant-Assisted Cooperative Self-Assembly of Nanoparticles into Active Nanostructures. IScience, 2019, 11, 272-293.	4.1	66
4522	Solventâ€Dependent Nanostructures Based on Active Ï€â€Aggregation Induced Emission Enhancement of New Carbazole Derivatives of Triphenylacrylonitrile. Chemistry - A European Journal, 2019, 25, 4856-4863.	3.3	15
4523	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
4524	Comparing Semiconductor Nanocrystal Toxicity in Pregnant Mice and Non-Human Primates. Nanotheranostics, 2019, 3, 54-65.	5.2	15
4525	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. Toxicology and Applied Pharmacology, 2019, 368, 55-62.	2.8	13
4526	Engineered Exosome-Mediated Near-Infrared-II Region V ₂ C Quantum Dot Delivery for Nucleus-Target Low-Temperature Photothermal Therapy. ACS Nano, 2019, 13, 1499-1510.	14.6	218

#	Article	IF	CITATIONS
4527	Inorganic nanoparticles modify the phase behavior and viscoelastic properties of non-lamellar lipid mesophases. Journal of Colloid and Interface Science, 2019, 541, 329-338.	9.4	12
4528	Multifunctional Self-Doped Nanocrystal Thin-Film Transistor Sensors. ACS Applied Materials & Samp; Interfaces, 2019, 11, 7242-7249.	8.0	11
4529	Contrasting Anisotropy of Light Absorption and Emission by Semiconductor Nanoparticles. ACS Photonics, 2019, 6, 1146-1152.	6.6	9
4530	Nearâ€Infrared Upconversion Luminescence and Bioimaging In Vivo Based on Quantum Dots. Advanced Science, 2019, 6, 1801834.	11.2	42
4531	Effect of pH on the interaction of hypoxanthine and guanine with colloidal ZnS nanoparticles: A spectroscopic approach. Journal of Molecular Liquids, 2019, 278, 460-466.	4.9	4
4532	Enhancement of Photodynamic Cancer Therapy by Physical and Chemical Factors. Angewandte Chemie - International Edition, 2019, 58, 14066-14080.	13.8	133
4533	High-speed imaging and tracking of very small single nanoparticles by contrast enhanced microscopy. Nanoscale, 2019, 11, 568-577.	5.6	44
4534	The nature of binding of quinolate complex on the surface of ZnS quantum dots. Physical Chemistry Chemical Physics, 2019, 21, 589-596.	2.8	5
4535	Nanoscale Photoinduced Charge Transfer with Individual Quantum Dots: Tunability through Synthesis, Interface Design, and Interaction with Charge Traps. ACS Omega, 2019, 4, 9102-9112.	3.5	13
4536	Siotemplate of egg white albumen for synthesized iron oxide quantum dots nanoparticles (QDNPs) and investigation of antibacterial effect against pathogenic microbial strains. International Journal of Nanomedicine, 2019, Volume 14, 3273-3282.	6.7	11
4537	Facile synthesis of sulfur and nitrogen codoped graphene quantum dots for optical sensing of Hg and Ag ions. Chemical Physics Letters, 2019, 730, 436-444.	2.6	32
4538	pH-Sensitive Visible or Shortwave Infrared Quantum Dot Nanoprobes Using Conformation-Switchable Copolymeric Ligands. ACS Applied Materials & Samp; Interfaces, 2019, 11, 25008-25016.	8.0	3
4539	Transmittance properties of one-dimensional metallic-dielectric photonic crystals in near-zero permittivity. Physica Scripta, 2019, 94, 125501.	2.5	20
4540	Screen printed carbon electrode sensor with thiol graphene quantum dots and gold nanoparticles for voltammetric determination of solatol. Heliyon, 2019, 5, e01984.	3.2	23
4541	ZnCdSe-CdTe quantum dots: A "turn-off―fluorescent probe for the detection of multiple adulterants in an herbal honey. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 221, 117212.	3.9	7
4542	Tunable electron transfer rate in a CdSe/ZnS-based complex with different anthraquinone chloride substitutes. Scientific Reports, 2019, 9, 7756.	3.3	5
4543	Nanorg Microbial Factories: Light-Driven Renewable Biochemical Synthesis Using Quantum Dot-Bacteria Nanobiohybrids. Journal of the American Chemical Society, 2019, 141, 10272-10282.	13.7	99
4544	Construction of Tetrahedral DNA-Quantum Dot Nanostructure with the Integration of Multistep Förster Resonance Energy Transfer for Multiplex Enzymes Assay. ACS Nano, 2019, 13, 7191-7201.	14.6	68

#	Article	IF	CITATIONS
4545	Bridging Two Worlds: Colloidal versus Epitaxial Quantum Dots. Annalen Der Physik, 2019, 531, 1900039.	2.4	34
4546	Biosensor technologies based on nanomaterials. , 2019, , 181-242.		9
4547	Pâ€114: White and Topâ€Emitting Quantumâ€Dot Lightâ€Emitting Diodes with Indiumâ€Tinâ€Oxide Top Electro Digest of Technical Papers SID International Symposium, 2019, 50, 1677-1680.	odes. 0.3	0
4548	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. Angewandte Chemie, 2019, 131, 13342-13353.	2.0	37
4549	Ratiometric fluorescent detection of azodicarbonamide based on silicon nanoparticles and quantum dots. Sensors and Actuators B: Chemical, 2019, 296, 126643.	7.8	20
4550	LED-Based Light Source Combined with Quantum Dot for Spectral Imaging. Journal of Nanomaterials, 2019, 2019, 1-7.	2.7	2
4551	Methods for CPP Functionalization. , 2019, , 83-156.		2
4552	Application of Förster Resonance Energy Transfer (FRET) technique to elucidate intracellular and In Vivo biofate of nanomedicines. Advanced Drug Delivery Reviews, 2019, 143, 177-205.	13.7	118
4553	Assessment of Toxicity of BSA-conjugated Zinc Oxide Quantum Dots for C2C12 Cells. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 736-743.	1.0	1
4554	3D localization at the nanometer scale and thermal sensing of living cells. Journal Physics D: Applied Physics, 2019, 52, 365401.	2.8	2
4555	Bi-functional quantum dot-polysaccharide-antibody immunoconjugates for bioimaging and killing brain cancer cells in vitro. Materials Letters, 2019, 252, 333-337.	2.6	20
4556	Interactions of (MY)6 (M = Zn , Cd; Y = O , S, Se) quantum dots with N-bases. Structural Chemistry, 2019, 30, 1003-1014.	2.0	2
4557	Colloidal PbSe Nanoplatelets of Varied Thickness with Tunable Optical Properties. Chemistry of Materials, 2019, 31, 3803-3811.	6.7	32
4558	Quantum dots in biomedical applications. Acta Biomaterialia, 2019, 94, 44-63.	8.3	310
4559	Thermal expansion of colloidal CdSe/CdS core/shell quantum dots. Physical Review B, 2019, 99, .	3.2	4
4560	Optical properties and fluorescence of quantum dots CdSe/ZnS-PMMA composite films with interface modifications. Optical Materials, 2019, 92, 405-410.	3.6	30
4561	A general approach for encapsulating nanoparticles by polystyrene-block-poly(acrylic acid) shell in colloidal. Journal of Physics and Chemistry of Solids, 2019, 135, 109019.	4.0	4
4562	High-sensitivity imaging of time-domain near-infrared light transducer. Nature Photonics, 2019, 13, 525-531.	31.4	166

#	Article	IF	CITATIONS
4563	Green, costâ€effective and efficient procedure for Heck and Sonogashira coupling reactions using palladium nanoparticles supported on functionalized Fe 3 O 4 @SiO 2 by polyvinyl alcohol as a highly active, durable and reusable catalyst. Applied Organometallic Chemistry, 2019, 33, e4856.	3.5	30
4564	Enhancing electricity generation of microbial fuel cell for wastewater treatment using nitrogen-doped carbon dots-supported carbon paper anode. Journal of Cleaner Production, 2019, 229, 412-419.	9.3	67
4565	Novel coreactant modifier-based amplified electrochemiluminescence sensing method for point-of-care diagnostics of galactose. Biosensors and Bioelectronics, 2019, 138, 111318.	10.1	21
4566	Synthesis of colloidal aluminum hydroxide nanoparticles for transparent luminescent polymer nanocomposite films. Materials and Design, 2019, 175, 107800.	7.0	10
4567	Multicolor quantum dot nanobeads for simultaneous multiplex immunochromatographic detection of mycotoxins in maize. Sensors and Actuators B: Chemical, 2019, 291, 411-417.	7.8	107
4568	Clinical Translation of Nanomaterials. , 2019, , 75-111.		0
4569	Small, Clickable, and Monovalent Magnetofluorescent Nanoparticles Enable Mechanogenetic Regulation of Receptors in a Crowded Live-Cell Microenvironment. Nano Letters, 2019, 19, 3761-3769.	9.1	14
4570	Fluorescence loss of commercial aqueous quantum dots during preparation for bioimaging. MRS Communications, 2019, 9, 702-709.	1.8	5
4571	Optical Multiplexed Bioassays for Improved Biomedical Diagnostics. Angewandte Chemie - International Edition, 2019, 58, 13208-13219.	13.8	134
4572	Dual Energy Transfer-Based Fluorescent Nanoprobe for Imaging miR-21 in Nonalcoholic Fatty Liver Cells with Low Background. Analytical Chemistry, 2019, 91, 6761-6768.	6.5	30
4573	Metal nanoparticles and their composites: a promising multifunctional nanomaterial for biomedical and related applications. , 2019, , 397-426.		2
4574	Cu-Catalyzed Synthesis of CdZnSe–CdZnS Alloy Quantum Dots with Highly Tunable Emission. Chemistry of Materials, 2019, 31, 2635-2643.	6.7	41
4575	Plasmonic metaresonances: harnessing nonlocal effects for prospective biomedical applications. Journal of Physics Condensed Matter, 2019, 31, 325301.	1.8	9
4576	Rational design of the benzothiazole-based fluorescent scaffold for tunable emission. Tetrahedron Letters, 2019, 60, 1060-1065.	1.4	13
4578	Nearâ€infrared imaging of diseases: A nanocarrier approach. Drug Development Research, 2019, 80, 521-534.	2.9	12
4579	Complete genome sequence of Raoultella sp. strain X13, a promising cell factory for the synthesis of CdS quantum dots. 3 Biotech, 2019, 9, 120.	2.2	5
4580	Magnetic Nanoparticlesâ€Embedded Enzymeâ€Inorganic Hybrid Nanoflowers with Enhanced Peroxidaseâ€Like Activity and Substrate Channeling for Glucose Biosensing. Advanced Healthcare Materials, 2019, 8, e1801507.	7.6	77
4581	Nanomaterials for molecular sensing. , 2019, , 413-487.		5

#	ARTICLE	IF	CITATIONS
4582	Electronic and Thermal Properties of Graphene and Recent Advances in Graphene Based Electronics Applications. Nanomaterials, 2019, 9, 374.	4.1	238
4583	A critical comparison of lanthanide based upconversion nanoparticles to fluorescent proteins, semiconductor quantum dots, and carbon dots for use in optical sensing and imaging. Methods and Applications in Fluorescence, 2019, 7, 022002.	2.3	57
4584	Biomedical applications of nanoflares: Targeted intracellular fluorescence probes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 342-358.	3.3	35
4585	Nanoparticles for Bioapplications: Study of the Cytotoxicity of Water Dispersible CdSe(S) and CdSe(S)/ZnO Quantum Dots. Nanomaterials, 2019, 9, 465.	4.1	20
4586	Ultrasmall Au nanoclusters for biomedical and biosensing applications: A mini-review. Talanta, 2019, 200, 432-442.	5.5	117
4587	Accurate intracellular and <i>in vivo</i> temperature sensing based on CuInS ₂ /ZnS QD micelles. Journal of Materials Chemistry B, 2019, 7, 2835-2844.	5.8	22
4588	DFT calculations of metal-organic I-III-VI semiconductor clusters: Benchmark of exchange-correlation functionals and localized basis sets. Computational Materials Science, 2019, 163, 186-195.	3.0	10
4589	The Role of Ligands in the Chemical Synthesis and Applications of Inorganic Nanoparticles. Chemical Reviews, 2019, 119, 4819-4880.	47.7	709
4590	CsPbBr ₃ Quantum Dot Films with High Luminescence Efficiency and Irradiation Stability for Radioluminescent Nuclear Battery Application. ACS Applied Materials & Samp; Interfaces, 2019, 11, 14191-14199.	8.0	40
4591	The Growing Development of DNA Nanostructures for Potential Healthcareâ€Related Applications. Advanced Healthcare Materials, 2019, 8, e1801546.	7.6	60
4592	Ultrafine Ti ₃ C ₂ MXene Nanodots-Interspersed Nanosheet for High-Energy-Density Lithium–Sulfur Batteries. ACS Nano, 2019, 13, 3608-3617.	14.6	235
4593	Enhanced Luminescence of a Quantum Dot Complex Following Interaction with Protein for Applications in Cellular Imaging, Sensing, and White-Light Generation. ACS Applied Nano Materials, 2019, 2, 2358-2366.	5.0	10
4594	DNA-Based Assembly of Quantum Dots into Dimers and Helices. Nanomaterials, 2019, 9, 339.	4.1	14
4595	Long-term transmission of entangled photons from a single quantum dot over deployed fiber. Scientific Reports, 2019, 9, 4111.	3.3	18
4596	Interaction Between Soft Nanoparticles and Phospholipid Membranes: Effect of the Polymer-Grafting Density on Nanoparticle Adsorption. ACS Applied Nano Materials, 2019, 2, 1808-1819.	5.0	11
4597	A carbon quantum dot–gold nanoparticle system as a probe for the inhibition and reactivation of acetylcholinesterase: detection of pesticides. New Journal of Chemistry, 2019, 43, 6874-6882.	2.8	45
4598	Surface crystallized Mnâ€doped glassâ€ceramics for tunable luminescence. Journal of the American Ceramic Society, 2019, 102, 5843-5852.	3.8	22
4599	Development of near-infrared region luminescent N-acetyl-L-cysteine-coated Ag ₂ S quantum dots with differential therapeutic effect. Nanomedicine, 2019, 14, 969-987.	3.3	22

#	Article	IF	CITATIONS
4600	Graphene based emergent nanolights: a short review on the synthesis, properties and application. Research on Chemical Intermediates, 2019, 45, 3823-3853.	2.7	94
4601	FRET-Based Semiconducting Polymer Dots for pH Sensing. Sensors, 2019, 19, 1455.	3.8	14
4602	Biosynthesis of cadmium selenide quantum dots by Providencia vermicola. African Journal of Microbiology Research, 2019, 13, 106-121.	0.4	4
4603	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deepâ€Tissue Molecular Imaging. Advanced Healthcare Materials, 2019, 8, e1900260.	7.6	125
4604	Progress in microwave-assisted synthesis of quantum dots (graphene/carbon/semiconducting) for bioapplications: a review. Materials Today Chemistry, 2019, 12, 282-314.	3 . 5	155
4605	Precisely tailored shell thickness and Ln ³⁺ content to produce multicolor emission from Nd ³⁺ -based core/shell/shell UCNPs through bi-directional energy transfer. Nanoscale Advances, 2019, 1, 1936-1947.	4.6	9
4606	ZnS quantum dot intercalated layered double hydroxide semiconductors for solar water splitting and organic pollutant degradation. Journal of Materials Chemistry A, 2019, 7, 11408-11422.	10.3	57
4607	Ultrasensitive Sensor Using Quantum Dots-Doped Polystyrene Nanospheres for Clinical Diagnostics of Low-Volume Serum Samples. Analytical Chemistry, 2019, 91, 5777-5785.	6.5	26
4608	Nitrogen doped carbon quantum dots demonstrate no toxicity under <i>in vitro</i> conditions in a cervical cell line and <i>in vivo</i> in Swiss albino mice. Toxicology Research, 2019, 8, 395-406.	2.1	39
4609	3-Mercaptopropionic, 4-Mercaptobenzoic, and Oleic Acid-Capped CdSe Quantum Dots: Interparticle Distance, Anchoring Groups, and Surface Passivation. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	10
4610	Stimuliâ€Responsive Optical Nanomaterials. Advanced Materials, 2019, 31, e1807061.	21.0	178
4611	Composite Structures with Emissive Quantum Dots for Light Enhancement. Advanced Optical Materials, 2019, 7, 1801072.	7.3	30
4612	Biomacromoleculeâ€Functionalized AlEgens for Advanced Biomedical Studies. Small, 2019, 15, 1804839.	10.0	43
4613	Transducing Protease Activity into DNA Output for Developing Smart Bionanosensors. Small, 2019, 15, 1805384.	10.0	16
4614	Exposure to MPA-capped CdTe quantum dots causes reproductive toxicity effects by affecting oogenesis in nematode Caenorhabditis elegans. Ecotoxicology and Environmental Safety, 2019, 173, 54-62.	6.0	54
4615	Controlling defect state emission in ultra-small sized tellurium doped CdSe nanocrystals via two-phase synthesis method. Optical Materials, 2019, 89, 361-367.	3.6	17
4616	Optical Sensors Based on II-VI Quantum Dots. Nanomaterials, 2019, 9, 192.	4.1	71
4617	Enhanced oxide-ion conductivity of solid-state electrolyte mesocrystals. Nanoscale, 2019, 11, 4523-4530.	5.6	7

#	Article	IF	Citations
4618	Smart Delivery Systems Based on Poly(glycidyl methacrylate)sâ€Coated Organic/Inorganic Core–Shell Nanohybrids. Macromolecular Rapid Communications, 2019, 40, 1800879.	3.9	9
4619	Correlation of antibacterial and time resolved photoluminescence studies using bio-reduced silver nanoparticles conjugated with fluorescent quantum dots as a biomarker. Journal of Materials Science: Materials in Electronics, 2019, 30, 6977-6983.	2.2	12
4620	Smart Polymeric Nanocarriers for Drug Delivery. , 2019, , 439-479.		9
4621	An Integrated Multilevel Analysis Profiling Biosafety and Toxicity Induced by Indium- and Cadmium-Based Quantum Dots in Vivo. Environmental Science & Environmental Science & 2019, 53, 3938-3947.	10.0	35
4622	Bioconjugated Quantum Dots in Rapid Detection of Water Microbial Load: An Emerging Technology. Nanotechnology in the Life Sciences, 2019, , 25-38.	0.6	0
4623	Enhanced Photocatalytic Activity of ZnS:Mn2+ Quantum Dots. Semiconductors, 2019, 53, 2151-2154.	0.5	0
4624	Plasmon-Enhanced Near-Field Optical Spectroscopy of Multicomponent Semiconductor Nanostructures. Optoelectronics, Instrumentation and Data Processing, 2019, 55, 488-494.	0.6	2
4625	Upconversion nanoparticles based on rare-earth elements. EPJ Web of Conferences, 2019, 220, 03033.	0.3	0
4626	Inorganic and organic–inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. , 2019, , 47-99.		8
4627	The Enhanced Sensitivity of a Porous Silicon Microcavity Biosensor Based on an Angular Spectrum Using CdSe/ZnS Quantum Dots. Sensors, 2019, 19, 4872.	3.8	13
4628	Nanotechnology for Agriculture. , 2019, , .		12
4629	Ultrabright fluorescent silica nanoparticles for <i>in vivo</i> targeting of xenografted human tumors and cancer cells in zebrafish. Nanoscale, 2019, 11, 22316-22327.	5.6	19
4630	Core–Shell Palladium Telluride Quantum Dot-Hemethiolate Cytochrome Based Biosensor for Detecting Indinavir Drug. Journal of Nanoscience and Nanotechnology, 2019, 19, 7974-7981.	0.9	13
4631	Optoelectronic response of hybrid PbS-QD/graphene photodetectors. Journal of Chemical Physics, 2019, 151, 234705.	3.0	17
4632	The role of NLRP3 inflammasome activation in the neuroinflammatory responses to Ag ₂ Se quantum dots in microglia. Nanoscale, 2019, 11, 20820-20836.	5.6	28
4633	Computational screening of nanoparticles coupling to $\hat{Al^2}40$ peptides and fibrils. Scientific Reports, 2019, 9, 17804.	3.3	10
4634	Unsaturated Ligands Seed an Order to Disorder Transition in Mixed Ligand Shells of CdSe/CdS Quantum Dots. ACS Nano, 2019, 13, 13784-13796.	14.6	34
4635	A Simple and Rapid Phosphorescence Probe Based on Mn-Doped ZnS Quantum Dots for Chloramphenicol Detection. Nano, 2019, 14, 1950144.	1.0	4

#	Article	IF	CITATIONS
4636	Nanotechnology in cancer diagnosis: progress, challenges and opportunities. Journal of Hematology and Oncology, 2019, 12, 137.	17.0	314
4637	Construction of 3D-rendering imaging of an ischemic rat brain model using the planar FMMD technique. Scientific Reports, 2019, 9, 19050.	3.3	7
4638	FeSe quantum dots for in vivo multiphoton biomedical imaging. Science Advances, 2019, 5, eaay0044.	10.3	41
4639	Photostimulated control of luminescence quantum yield for colloidal Ag ₂ S/2-MPA quantum dots. RSC Advances, 2019, 9, 37312-37320.	3.6	11
4640	Synthesis and Functionalization of Copper-Doped Indium Phosphate Quantum Dots with Ratiometric Fluorescence. Nano, 2019, 14, 1950159.	1.0	2
4641	Superparamagnetic graphene quantum dot as a dualâ€modality contrast agent for confocal fluorescence microscopy and magnetomotive optical coherence tomography. Journal of Biophotonics, 2019, 12, e201800219.	2.3	6
4642	Luminescent films functionalized with cellulose nanofibrils/CdTe quantum dots for anti-counterfeiting applications. Carbohydrate Polymers, 2019, 203, 167-175.	10.2	46
4643	Quantum Dots and Nanoclusters. , 2019, , 67-90.		2
4644	Ultrabright fluorescent cellulose acetate nanoparticles for imaging tumors through systemic and topical applications. Materials Today, 2019, 23, 16-25.	14.2	20
4645	Approach to advance optical properties in CdS/ZnS and ZnS/CdS core/shell nanostructures through shell alteration. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 108, 281-287.	2.7	3
4646	Preparation of Ag2Se QDs with excellent aqueous dispersion stability by organic coating with aqueous ATRP. Polymer Bulletin, 2019, 76, 4753-4768.	3.3	0
4647	Investigation of Luminescence Enhancement and Decay of QD-LEDs: Interface Reactions between QDs and Atmospheres. ACS Applied Materials & Samp; Interfaces, 2019, 11, 2516-2525.	8.0	29
4648	Photoluminescence enhancement of colloidal CdSe/ZnS quantum dots embedded in polyvinyl alcohol after 2†MeV proton irradiation: crucial role of the embedding medium. Optical Materials, 2019, 88, 271-276.	3.6	10
4649	Production, surface modification and biomedical applications of nanodiamonds: A sparkling tool for theranostics. Materials Science and Engineering C, 2019, 97, 913-931.	7.3	94
4650	Size Control at Maximum Yield and Growth Kinetics of Colloidal II–VI Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 1421-1428.	3.1	9
4651	Fighting Aggregationâ€Caused Quenching and Leakage of Dyes in Fluorescent Polymer Nanoparticles: Universal Role of Counterion. Chemistry - an Asian Journal, 2019, 14, 836-846.	3.3	92
4652	Water-dispersed luminescent quantum dots for miRNA detection. TrAC - Trends in Analytical Chemistry, 2019, 111, 197-205.	11.4	28
4653	Colloidal solution of luminescent ZnO quantum dots embedded silica as nano-tracers for remote sensing applications. Journal of Molecular Liquids, 2019, 274, 447-454.	4.9	9

#	Article	IF	CITATIONS
4654	Pluronic-chitosan-folate nano-micelles incorporated with quantum dots for anti-cancer drug therapy. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 993-1004.	3.4	3
4655	The Competitive Dynamic Binding of Some Blood Proteins Adsorbed on Gold Nanoparticles. Particle and Particle Systems Characterization, 2019, 36, 1800257.	2.3	19
4656	Multiple Emitting Amphiphilic Conjugated Polythiophenesâ€Coated CdTe QDs for Picogram Detection of Trinitrophenol Explosive and Application Using Chitosan Film and Paperâ€Based Sensor Coupled with Smartphone. Advanced Science, 2019, 6, 1801467.	11.2	64
4657	Synthesis of CdS1-XSeX quantum dots in a protozoa Tetrahymena pyriformis. Applied Microbiology and Biotechnology, 2019, 103, 973-980.	3.6	12
4658	Fluorescence resonance energy transfer based quantum dot-Aptasensor for the selective detection of microcystin-LR in eutrophic water. Chemical Engineering Journal, 2019, 359, 1493-1501.	12.7	44
4659	Dilutionâ€induced rapid synthesis of aqueous semiconductor quantum dots. Micro and Nano Letters, 2019, 14, 95-98.	1.3	4
4660	Size-Dependent Lattice Dynamics of Atomically Precise Cadmium Selenide Quantum Dots. Physical Review Letters, 2019, 122, 026101.	7.8	12
4661	Stateâ€ofâ€theâ€Art and Trends in Synthesis, Properties, and Application of Quantum Dotsâ€Based Nanomaterials. Particle and Particle Systems Characterization, 2019, 36, 1800302.	2.3	27
4662	Asymmetrically strained quantum dots with non-fluctuating single-dot emission spectra and subthermal room-temperature linewidths. Nature Materials, 2019, 18, 249-255.	27.5	97
4663	Circular RNA profiling provides insights into their subcellular distribution and molecular characteristics in HepG2 cells. RNA Biology, 2019, 16, 220-232.	3.1	48
4664	Multi-Modal Nano Particle Labeling of Neurons. Frontiers in Neuroscience, 2019, 13, 12.	2.8	7
4665	A fluorometric study on the effect of DNA methylation on DNA interaction with graphene quantum dots. Methods and Applications in Fluorescence, 2019, 7, 025001.	2.3	29
4666	Sulfur and Nitrogen Co-Doped Graphene Quantum Dots as a Fluorescent Quenching Probe for Highly Sensitive Detection toward Mercury Ions. ACS Applied Nano Materials, 2019, 2, 790-798.	5.0	80
4667	Synthesis of Inorganic–Organic 2D CdSe Slabâ€Diamine Quantum Nets. Small, 2019, 15, e1804426.	10.0	6
4668	Fabrication of Remarkably Bright QD Denselyâ€Embedded Silica Nanoparticle. Bulletin of the Korean Chemical Society, 2019, 40, 9-13.	1.9	7
4669	Effect of physicochemical and surface properties on in vivo fate of drug nanocarriers. Advanced Drug Delivery Reviews, 2019, 143, 3-21.	13.7	276
4670	One Pot Green Synthesis of Si Quantum Dots and Catalytic Au Nanoparticle–Si Quantum Dot Nanocomposite. ACS Sustainable Chemistry and Engineering, 2019, 7, 3309-3318.	6.7	38
4671	Direct Generation of Mnâ€Doped ZnS Quantum Dots/Alginate Nanocomposite Beads Based on Gelation and In Situ Synthesis of Quantum Dots. Macromolecular Materials and Engineering, 2019, 304, 1800681.	3.6	4

#	Article	IF	CITATIONS
4672	Nanoheterostructures (NHS) and Their Applications in Nanomedicine: Focusing on In Vivo Studies. Materials, 2019, 12, 139.	2.9	19
4673	One-step hot injection synthesis of gradient alloy CdxZn1-xSySe1-y quantum dots with large-span self-regulating ability. Journal of Luminescence, 2019, 206, 565-570.	3.1	9
4674	Improving the sensitivity of electrochemical sensors through a complementary luminescent mode: A new spectroelectrochemical approach. Sensors and Actuators B: Chemical, 2019, 284, 663-674.	7.8	21
4675	A sensitive biosensor based on optical bistability in a semiconductor quantum dot-DNA nanohybrid. Journal Physics D: Applied Physics, 2019, 52, 035401.	2.8	7
4676	Ligand-Core NLO-Phores. Challenges and Advances in Computational Chemistry and Physics, 2019, , 139-160.	0.6	2
4677	Sensing with photoluminescent semiconductor quantum dots. Methods and Applications in Fluorescence, 2019, 7, 012005.	2.3	80
4678	Voltammetric immunoassay of human IgG based on the release of cadmium(II) from CdS nanocrystals deposited on mesoporous silica nanospheres. Mikrochimica Acta, 2019, 186, 15.	5.0	5
4679	Inorganic Complexes and Metal-Based Nanomaterials for Infectious Disease Diagnostics. Chemical Reviews, 2019, 119, 1456-1518.	47.7	80
4680	High-efficiency colloidal quantum dot infrared light-emitting diodes via engineering at the supra-nanocrystalline level. Nature Nanotechnology, 2019, 14, 72-79.	31.5	180
4681	Catechol oxidase mimetic activity of cadmium sulfide nanoparticles for the oxidation of L- 3,4 -dihydroxyphenylalanine. Materials Research Express, 2019, 6, 035020.	1.6	0
4682	Assessment of oxidative stress, antioxidant enzyme activity and cellular apoptosis in a plant based system (Nigella sativa L.; black cumin) induced by copper and cadmium sulphide nanomaterials. Environmental Nanotechnology, Monitoring and Management, 2019, 11, 100196.	2.9	2
4683	Electrophilic substitution reaction as a facile and general approach for reactive removal of native ligands from nanocrystals surface. Nanotechnology, 2019, 30, 015701.	2.6	0
4684	Preparation of PEGylated and biodegradable fluorescent organic nanoparticles with aggregation-induced emission characteristics through direct ring-opening polymerization. Journal of the Taiwan Institute of Chemical Engineers, 2019, 95, 234-240.	5. 3	8
4685	Fluorescent Inorganicâ€Organic Hybrid Nanoparticles. ChemNanoMat, 2019, 5, 24-45.	2.8	20
4686	Pushing the limits of detection for proteins secreted from single cells using quantum dots. Analyst, The, 2019, 144, 980-989.	3.5	17
4687	Plasmon-enhanced fluorescence in nanomolar dye solution using combination of core-shell nanostructures of various shell thicknesses. Journal of Luminescence, 2019, 205, 451-456.	3.1	4
4688	Direct visualization of location and uptake of applied melatonin and serotonin in living tissues and their redistribution in plants in response to thermal stress. Journal of Pineal Research, 2019, 66, e12527.	7.4	62
4689	Sustainable synthesis of luminescent CdTe quantum dots coated with modified silica mesoporous nanoparticles: Towards new protein scavengers and smart drug delivery carriers. Dyes and Pigments, 2019, 161, 360-369.	3.7	32

#	Article	IF	CITATIONS
4690	Functional mesoporous silica nanoparticles for bioâ€imaging applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1515.	6.1	75
4691	Magnetic Levitation in Chemistry, Materials Science, and Biochemistry. Angewandte Chemie - International Edition, 2020, 59, 17810-17855.	13.8	76
4692	Environmentally friendly approach to the synthesis of monodisperse and bright blue emitting Cd0.15Zn0.85S quantum dots. Journal of Alloys and Compounds, 2020, 812, 152159.	5.5	8
4693	Experimental and numerical studies of the gas-molten reduction behavior of blast furnace dust particles during in-flight process. Powder Technology, 2020, 361, 226-237.	4.2	9
4694	Quantum dots are conventionally applicable for wide-profiling of wall polymer distribution and destruction in diverse cells of rice. Talanta, 2020, 208, 120452.	5.5	2
4695	Theoretical investigation on the third order nonlinear optical susceptibility in CdS/ZnS/CdS/ZnS core/shell/well/shell quantum dots for optoelectronic applications. Physica Scripta, 2020, 95, 017001.	2.5	6
4696	Scheelite like NaTb(WO4)2 nanoparticles: Green fluorescence and in vitro cell imaging applications. Materials Science and Engineering C, 2020, 106, 110182.	7.3	5
4697	Theranostic small interfering RNA nanoparticles in cancer precision nanomedicine. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1595.	6.1	19
4698	Effects of aluminum doping in CdS thin films prepared by CBD and the performance on Schottky diodes TCO/CdS:Al/C. Journal of Alloys and Compounds, 2020, 817, 152740.	5.5	21
4699	Improvement in molecular alignment of ferroelectric liquid crystal by Co-ZnO/ZnO core/shell quantum dots. Liquid Crystals, 2020, 47, 309-316.	2.2	24
4700	Controlled Release of Pesticides for Sustainable Agriculture. , 2020, , .		6
4701	Advanced Controlled Nanopesticide Delivery Systems for Managing Insect Pests. , 2020, , 155-184.		4
4702	Nanoparticles and cancer therapy: Perspectives for application of nanoparticles in the treatment of cancers. Journal of Cellular Physiology, 2020, 235, 1962-1972.	4.1	244
4703	Biocompatible fluorescent polyamineâ€based cyclophosphazene hybrid nanospheres for targeted cell imaging. Polymers for Advanced Technologies, 2020, 31, 425-432.	3.2	3
4704	Recent advances of lanthanide-doped upconversion nanoparticles for biological applications. Nanotechnology, 2020, 31, 072001.	2.6	61
4705	Potential clinical applications of the personalized, disease-specific protein corona on nanoparticles. Clinica Chimica Acta, 2020, 501, 102-111.	1.1	26
4706	Catalytic activity of surfaceâ€functionalized nanoscale nickel zinc multiferrites: potential vector for water purification. Journal of Chemical Technology and Biotechnology, 2020, 95, 739-750.	3.2	3
4707	Dual-mode detection of avian influenza virions (H9N2) by ICP-MS and fluorescence after quantum dot labeling with immuno-rolling circle amplification. Analytica Chimica Acta, 2020, 1096, 18-25.	5.4	15

#	ARTICLE	IF	CITATIONS
4708	Covalent Organic Framework for Improving Nearâ€Infrared Light Induced Fluorescence Imaging through Twoâ€Photon Induction. Angewandte Chemie, 2020, 132, 10173-10180.	2.0	16
4709	Covalent Organic Framework for Improving Nearâ€Infrared Light Induced Fluorescence Imaging through Twoâ€Photon Induction. Angewandte Chemie - International Edition, 2020, 59, 10087-10094.	13.8	84
4710	Cobalt Oxyhydroxide-prompted Synthesis of Fluorescent Polydopamine Nanoparticles for Glutathione Detection. Analytical Sciences, 2020, 36, 347-352.	1.6	2
4711	Magnetische Levitation in Chemie, Materialwissenschaft und Biochemie. Angewandte Chemie, 2020, 132, 17962-18011.	2.0	3
4713	Facile synthesis of multifunctional nanoparticles encoded with quantum dots and magnetic nanoparticles: cell tagging and MRI. Nanotechnology, 2020, 31, 065101.	2.6	5
4714	Water-soluble conjugated polymeric micelles as a carrier for studying Pt(<scp>iv</scp>) release and imaging in living cells. Polymer Chemistry, 2020, 11, 1720-1726.	3.9	2
4715	Multifunctional materials for implantable and wearable photonic healthcare devices. Nature Reviews Materials, 2020, 5, 149-165.	48.7	403
4716	Joining the journey to near infrared (NIR) imaging: the emerging role of lanthanides in the designing of molecular probes. Inorganic Chemistry Frontiers, 2020, 7, 289-299.	6.0	73
4717	Critical assessment of wet-chemical oxidation synthesis of silicon quantum dots. Faraday Discussions, 2020, 222, 149-165.	3.2	17
4718	Nano-immunoimaging. Nanoscale Horizons, 2020, 5, 628-653.	8.0	22
4719	Oxygen accelerated scalable synthesis of highly fluorescent sulfur quantum dots. Chemical Science, 2020, 11, 772-777.	7.4	94
4720	One-pot biosynthesis of CdS quantum dots through in vitro regeneration of hairy roots of Rhaphanus sativus L. And their apoptosis effect on MCF-7 and AGS cancerous human cell lines. Materials Research Express, 2020, 7, 015056.	1.6	25
4721	Theoretical and Experimental Investigation of Ligand-Induced Particle–Particle Interactions. Journal of Physical Chemistry C, 2020, 124, 1566-1574.	3.1	4
4722	Hyperbranched polyglycerol nanostructures for anti-biofouling, multifunctional drug delivery, bioimaging and theranostic applications. International Journal of Pharmaceutics, 2020, 576, 118959.	5 . 2	33
4723	Dual-Targeted Synthetic Nanoparticles for Cardiovascular Diseases. ACS Applied Materials & Samp; Interfaces, 2020, 12, 6852-6862.	8.0	36
4724	Multifunctional phototheranostic nanomedicine for cancer imaging and treatment. Materials Today Bio, 2020, 5, 100035.	5.5	167
4726	Realâ€Time Optical Response of Polysiloxane/Quantum Dot Nanocomposites under 2 MeV Proton Irradiation: Luminescence Enhancement of Polysiloxane Emission through Quantum Dot Sensitization. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900586.	1.8	3
4727	The glycolytic shift was involved in CdTe/ZnS quantum dots inducing microglial activation mediated through the mTOR signaling pathway. Journal of Applied Toxicology, 2020, 40, 388-402.	2.8	10

#	Article	IF	Citations
4728	DNA-templated quantum dots and their applications in biosensors, bioimaging, and therapy. Journal of Materials Chemistry B, 2020, 8, 9-17.	5.8	30
4729	Förster Resonance Energy Transfer between Colloidal CulnS ₂ /ZnS Quantum Dots and Dark Quenchers. Journal of Physical Chemistry C, 2020, 124, 1717-1731.	3.1	18
4730	Efficient colloidal quantum dot light-emitting diodes operating in the second near-infrared biological window. Nature Photonics, 2020, 14, 50-56.	31.4	72
4731	On-demand Milifluidic Synthesis of Quantum Dots in Digital Droplet Reactors. Industrial & Dro	3.7	9
4732	FRET-Created Traffic Light Immunoassay Based on Polymer Dots for PSA Detection. Analytical Chemistry, 2020, 92, 1493-1501.	6.5	46
4733	Fluorogen-Activating Proteins: Next-Generation Fluorescence Probes for Biological Research. Bioconjugate Chemistry, 2020, 31, 16-27.	3.6	23
4734	ZnSe:Cu/ZnS:Cu quantum dots (QDs): synthesis via a simple UV-assisted approach and investigating optical properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 387-393.	2.2	5
4735	Recent Advances in Functionalized Carbon Dots toward the Design of Efficient Materials for Sensing and Catalysis Applications. Small, 2020, 16, e1905767.	10.0	217
4736	Quantum Dots. , 2020, , 243-265.		24
4737	Detection of pathogenic bacteria via nanomaterials-modified aptasensors. Biosensors and Bioelectronics, 2020, 150, 111933.	10.1	118
4738	Electrospraying the Triblock Copolymer SEBS: The Effect of Solvent System and the Embedding of Quantum Dots. Macromolecular Materials and Engineering, 2020, 305, 1900658.	3.6	4
4739	Endosomes and Microtubles are Required for Productive Infection in Aquareovirus. Virologica Sinica, 2020, 35, 200-211.	3.0	7
4740	Highly luminescent biocompatible CsPbBr ₃ @SiO ₂ coreâ€"shell nanoprobes for bioimaging and drug delivery. Journal of Materials Chemistry B, 2020, 8, 10337-10345.	5 . 8	59
4741	Bimodal size distribution immuno-quantum dots for fluorescent western blotting assay with high sensitivity and extended dynamic range. Mikrochimica Acta, 2020, 187, 598.	5.0	4
4742	Multilevel Optical Labeling by Spectral Luminescence Control in Nanodiamond Color Centers. ACS Applied Materials & Diterfaces, 2020, 12, 49006-49011.	8.0	3
4743	The study of the interaction of quantum dots with phosphatidylcholine to create hybrid functional materials. Journal of Physics: Conference Series, 2020, 1658, 012070.	0.4	0
4744	Olfactory bulbâ€ŧargeted quantum dot (QD) bioconjugate and Kv1.3 blocking peptide improve metabolic health in obese male mice. Journal of Neurochemistry, 2021, 157, 1876-1896.	3.9	15
4745	Functionalized Fluorescent Silica Nanoparticles for Bioimaging of Cancer Cells. Sensors, 2020, 20, 5590.	3.8	5

#	ARTICLE	IF	CITATIONS
4746	Scalable Synthesis of a Sub-10 nm Chalcopyrite (CuFeS ₂) Nanocrystal by the Microwave-Assisted Synthesis Technique and Its Application in a Heavy-Metal-Free Broad-Band Photodetector. ACS Omega, 2020, 5, 25947-25953.	3.5	15
4747	Photoluminescent and Chromic Nanomaterials for Anticounterfeiting Technologies: Recent Advances and Future Challenges. ACS Nano, 2020, 14, 14417-14492.	14.6	314
4748	Alkyl ammonium ion-induced drastic emission enhancement of Eu($\langle i \rangle D \langle i \rangle$ -facam) $\langle sub \rangle 3 \langle sub \rangle$ in 1-butanol. Chemical Communications, 2020, 56, 13532-13535.	4.1	4
4749	Tutorial: design and fabrication of nanoparticle-based lateral-flow immunoassays. Nature Protocols, 2020, 15, 3788-3816.	12.0	235
4750	Bioadhesives for musculoskeletal tissue regeneration. Acta Biomaterialia, 2020, 117, 77-92.	8.3	28
4751	Synthesis of luminescent core/shell α-Zn ₃ P ₂ /ZnS quantum dots. Nanoscale, 2020, 12, 20952-20964.	5.6	2
4752	Superior Properties and Biomedical Applications of Microorganism-Derived Fluorescent Quantum Dots. Molecules, 2020, 25, 4486.	3.8	27
4753	Pâ€93: Compact Stable Quantum Dots via Amideâ€Mediated Synthesis of PMOâ€Based Multifunctional Ligand. Digest of Technical Papers SID International Symposium, 2020, 51, 1719-1722.	0.3	O
4754	Inorganic nanoparticles in clinical trials and translations. Nano Today, 2020, 35, 100972.	11.9	138
4755	Stealth and Bright Monomolecular Fluorescent Organic Nanoparticles Based on Folded Amphiphilic Polymer. ACS Nano, 2020, 14, 13924-13937.	14.6	29
4756	One-step green approach to synthesize highly fluorescent carbon quantum dots from banana juice for selective detection of copper ions. Journal of Environmental Chemical Engineering, 2020, 8, 103720.	6.7	114
4757	Quantum dot sensitized solar cell design with surface passivized CdSeTe QDs. Solar Energy, 2020, 206, 741-750.	6.1	4
4758	Role of Alcohol in the Synthesis of CdS Quantum Dots. Chemistry of Materials, 2020, 32, 1430-1438.	6.7	16
4759	DNA Functional Materials Assembled from Branched DNA: Design, Synthesis, and Applications. Chemical Reviews, 2020, 120, 9420-9481.	47.7	313
4760	Determining the Photophysical Parameters of NaGdF4:Eu Solid Solutions in Suspensions Using the Judd—Ofelt Theory. JETP Letters, 2020, 111, 525-531.	1.4	2
4761	Plasmonics meets super-resolution microscopy in biology. Micron, 2020, 137, 102916.	2.2	10
4762	Quantum dot to quantum dot FÃ \P rster resonance energy transfer: engineering materials for visual color change sensing. Analyst, The, 2020, 145, 5754-5767.	3.5	14
4763	A Pyreneâ€based Probe for Antimony with Special Excimer Fluorescence. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1303-1308.	1.2	7

#	Article	IF	CITATIONS
4764	Chemo/bionanosensors for medical applications. , 2020, , 483-500.		1
4765	CdSe quantum dots evaluation in primary cellular models or tissues derived from patients. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102299.	3.3	7
4766	OD/2D MXene Quantum Dot/Ni-MOF Ultrathin Nanosheets for Enhanced N ₂ Photoreduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 17791-17799.	6.7	74
4767	Colour tunability in a bimodal fluorescent hybrid nanostructure UCNPs@AuNPs@QDs. Current Applied Physics, 2020, 20, 1150-1155.	2.4	7
4768	Biofunctionalization of Water-Soluble poly(Phenylene Ethynylene)s. ACS Applied Materials & Samp; Interfaces, 2020, 12, 53310-53317.	8.0	9
4769	Quantum Dots: An Emerging Tool for Point-of-Care Testing. Micromachines, 2020, 11, 1058.	2.9	29
4770	Spectroscopic ellipsometry of monolayered CdS nanoparticles assembled by layer-by-layer method. Journal of Applied Physics, 2020, 128, 075303.	2.5	2
4771	Application of Nanotechnology in Cancer Diagnosis and Therapy - A Mini-Review. International Journal of Medical Sciences, 2020, 17, 2964-2973.	2.5	161
4772	Surface Modification of a Stable CdSeZnS/ZnS Alloy Quantum Dot for Immunoassay. Journal of Nanomaterials, 2020, 2020, 1-9.	2.7	5
4773	Full Visible Spectrum and White Light Emission with a Single, Input-Tunable Organic Fluorophore. Journal of the American Chemical Society, 2020, 142, 20306-20312.	13.7	19
4774	Biointerface Engineering: Prospects in Medical Diagnostics and Drug Delivery. , 2020, , .		8
4775	UV-Induced Nanoparticles-Formation, Properties and Their Potential Role in Origin of Life. Nanomaterials, 2020, 10, 1529.	4.1	8
4776	Exploiting molecular probes to perform nearâ€infrared fluorescenceâ€guided surgery. View, 2020, 1, 20200068.	5. 3	29
4777	Materdicine: Interdiscipline of materials and medicine. View, 2020, 1, 20200016.	5.3	22
4778	Nanopharmaceuticals: A focus on their clinical translatability. International Journal of Pharmaceutics, 2020, 578, 119098.	5.2	44
4779	Multi-mode fluorescence sensing detection based on one core-shell structure quantum dots via different types of mechanisms. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118630.	3.9	13
4780	Sensitive detection of virus with broad dynamic range based on highly bright quantum dot-embedded nanoprobe and magnetic beads. Journal of Industrial and Engineering Chemistry, 2020, 90, 319-326.	5.8	10
4781	Highly luminescent polyethylene glycol-passivated graphene quantum dots for light emitting diodes. RSC Advances, 2020, 10, 27418-27423.	3.6	14

#	Article	IF	CITATIONS
4782	Surface-modified Nanobiomaterials for Electrochemical and Biomedicine Applications. Topics in Current Chemistry Collections, 2020, , .	0.5	3
4783	Glioma cells eradication by photoexcitation of bioengineered molybdenum trioxide nanoparticles synthesized by wet chemical and microwave route: Dose dependent photosensitizer bioactivity. International Journal of Pharmaceutics, 2020, 591, 120021.	5.2	5
4784	Highly Stable and Scalable Blue QD‣ED via an Evaporated TiO ₂ Thin Film as an Electron Transport Layer. Advanced Optical Materials, 2020, 8, 2001172.	7.3	7
4785	Intracellular biosynthesis of PbS quantum dots using Pseudomonas aeruginosa ATCC 27853: evaluation of antibacterial effects and DNA cleavage activities. World Journal of Microbiology and Biotechnology, 2020, 36, 147.	3.6	13
4786	Versatile Nanoplatform Loaded with Doxorubicin and Graphene Quantum Dots/Methylene Blue for Drug Delivery and Chemophotothermal/Photodynamic Synergetic Cancer Therapy. ACS Applied Bio Materials, 2020, 3, 7122-7132.	4.6	15
4787	Stereoselective Câ°'C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr ₃ Perovskite Quantum Dots. Angewandte Chemie, 2020, 132, 22752-22758.	2.0	16
4788	A Lateral Flow Immunoassay for Prostateâ€Specific Antigen Detection Using <scp>Silicaâ€Coated CdSe</scp> @ <scp>ZnS</scp> Quantum Dots. Bulletin of the Korean Chemical Society, 2020, 41, 989-993.	1.9	9
4789	Gold/SH-functionalized nanographene oxide/polyamidamine/poly(ethylene glycol) nanocomposites for enhanced non-enzymatic hydrogen peroxide detection. Biomaterials Science, 2020, 8, 6037-6044.	5.4	11
4790	Superwettable Surface Engineering in Controlling Cell Adhesion for Emerging Bioapplications. Small Methods, 2020, 4, 2000573.	8.6	40
4791	Polycationic gold nanorods as multipurpose <i>in vitro </i> i>microtubule markers. Nanoscale Advances, 2020, 2, 4003-4010.	4.6	1
4792	Exciton-driven change of phonon modes causes strong temperature dependent bandgap shift in nanoclusters. Nature Communications, 2020, 11, 4127.	12.8	7
4793	Stereoselective Câ°'C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr ₃ Perovskite Quantum Dots. Angewandte Chemie - International Edition, 2020, 59, 22563-22569.	13.8	73
4794	Perovskite Quantum Dots. Springer Series in Materials Science, 2020, , .	0.6	4
4795	Orange-Emitting ZnSe:Mn ²⁺ Quantum Dots as Nanoprobes for Macrophages. ACS Applied Nano Materials, 2020, 3, 10399-10410.	5.0	13
4796	Thiol-Anchored TIPS-Tetracene Ligands with Quantitative Triplet Energy Transfer to PbS Quantum Dots and Improved Thermal Stability. Journal of Physical Chemistry Letters, 2020, 11, 7239-7244.	4.6	11
4797	Thioglucopyranose Ligands Promote Phaseâ€Transfer of Cadmium Selenide Quantum Dots from Organic Solvents to Water. ChemistrySelect, 2020, 5, 14783-14787.	1.5	0
4798	Aptamer Functionalized Lipid Multilayer Gratings for Label-Free Analyte Detection. Nanomaterials, 2020, 10, 2433.	4.1	1
4799	Exploring the Biocompatibility of Near-IR CulnSe _{<i>x</i>} S _{2â€"<i>x</i>} /ZnS Quantum Dots for Deep-Tissue Bioimaging. ACS Applied Bio Materials, 2020, 3, 8567-8574.	4.6	9

#	Article	IF	CITATIONS
4800	Functional Bio-inorganic Hybrids from Silicon Quantum Dots and Biological Molecules. ACS Applied Materials & Interfaces, 2020, 12, 52251-52270.	8.0	23
4801	Single-Nanoparticle Orientation Sensing by Deep Learning. ACS Central Science, 2020, 6, 2339-2346.	11.3	15
4802	Detection of energy transfer mechanisms in nanoscopic optical rulers. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	2
4803	Ionic Aggregationâ€Induced Emission: Bulky Hydrophobic Counterions Light Up Dyes in Polymeric Nanoparticles. Advanced Optical Materials, 2020, 8, 2000027.	7.3	18
4804	Characterizing the Brownian Diffusion of Nanocolloids and Molecular Solutions: Diffusion-Ordered NMR Spectroscopy vs Dynamic Light Scattering. Journal of Physical Chemistry B, 2020, 124, 4631-4650.	2.6	25
4805	Influence of Concentration of Precursors and Solvent on the Size of Zinc Sulfide Nanoparticles Produced in Ionic Liquid Medium. Russian Journal of Applied Chemistry, 2020, 93, 340-345.	0.5	0
4806	Optical Nanoscale Thermometry: From Fundamental Mechanisms to Emerging Practical Applications. Advanced Optical Materials, 2020, 8, 2000183.	7.3	97
4807	Effects of QDs@Gd ³⁺ -NGR on targeted fluorescence-magnetic resonance imaging and inhibition of pancreatic cancer cells. Journal of Materials Research, 2020, 35, 591-599.	2.6	2
4808	Ultrabright Fluorescent Silica Nanoparticles for Multiplexed Detection. Nanomaterials, 2020, 10, 905.	4.1	5
4809	Mobility and fate of ligand stabilized semiconductor nanoparticles in landfill leachates. Journal of Hazardous Materials, 2020, 394, 122477.	12.4	8
4810	The systematic study of the precursor ratio effect in the Cd–Zn–S quantum dot synthesis. CrystEngComm, 2020, 22, 4324-4337.	2.6	2
4811	Self-assembly of novel Fmoc-cardanol compounds into hydrogels – analysis based on rheological, structural and thermal properties. Soft Matter, 2020, 16, 6294-6303.	2.7	4
4812	Biomarkers detection with magnetoresistance-based sensors. Biosensors and Bioelectronics, 2020, 165, 112340.	10.1	40
4813	Combining Qdot Nanotechnology and DNA Nanotechnology for Sensitive Single ell Imaging. Advanced Materials, 2020, 32, e1908410.	21.0	24
4814	Facile Synthesis of Cubic Magnetic <scp>Upâ€Conversion</scp> Nanoparticles. Bulletin of the Korean Chemical Society, 2020, 41, 682-685.	1.9	0
4815	VLC Quantum Fusion., 2020,,.		0
4816	Protein Design for the Synthesis and Stabilization of Highly Fluorescent Quantum Dots. Chemistry of Materials, 2020, 32, 5729-5738.	6.7	13
4817	Terbium(<scp>iii</scp>)-coated carbon quantum dots for the detection of clomipramine through aggregation-induced emission from the analyte. New Journal of Chemistry, 2020, 44, 10536-10544.	2.8	22

#	Article	IF	CITATIONS
4818	Room temperature manufacturing photoluminescent graphene quantum dots based on MXene. Carbon, 2020, 167, 863-869.	10.3	16
4819	Quantum Dot Labeling and Visualization of Extracellular Vesicles. ACS Applied Nano Materials, 2020, 3, 7211-7222.	5.0	35
4820	Nanotechnology: the road ahead. , 2020, , 289-308.		7
4821	Understanding of the aging pattern in quantum dot light-emitting diodes using low-frequency noise. Nanoscale, 2020, 12, 15888-15895.	5. 6	12
4822	Bioluminescence-Based Energy Transfer Using Semiconductor Quantum Dots as Acceptors. Sensors, 2020, 20, 2909.	3.8	9
4823	Recent advances in synthesis, surface chemistry of cesium lead-free halide perovskite nanocrystals and their potential Aapplications., 2020,, 157-228.		2
4824	Nanoparticle-based lateral flow assays. Comprehensive Analytical Chemistry, 2020, 89, 313-359.	1.3	5
4825	Quantum dot nanobead-based fluorescent immunochromatographic assay for simultaneous quantitative detection of fumonisin B1, dexyonivalenol, and zearalenone in grains. Food Control, 2020, 117, 107331.	5. 5	45
4826	Evolution from unimolecular to colloidal-quantum-dot-like character in chlorine or zinc incorporated InP magic size clusters. Nature Communications, 2020, 11, 3127.	12.8	34
4827	Low-damping flexible Y ₃ Fe ₅ O ₁₂ thin films for tunable RF/microwave processors. Materials Horizons, 2020, 7, 1558-1565.	12.2	16
4828	Introduction to Bionanotechnology. , 2020, , .		9
4829	Redox nanoparticles. , 2020, , 65-74.		0
4830	Pressure-Induced Emission Enhancements of Mn ²⁺ -Doped Cesium Lead Chloride Perovskite Nanocrystals., 2020, 2, 381-388.		33
4831	Quantum simulation of particle creation in curved space-time. PLoS ONE, 2020, 15, e0229382.	2.5	2
4832	High-quality quantum dots for multiplexed bioimaging: A critical review. Advances in Colloid and Interface Science, 2020, 278, 102137.	14.7	96
4833	Unprecedented surface stabilized InP quantum dots with bidentate ligands. RSC Advances, 2020, 10, 11517-11523.	3.6	10
4834	Visualizing ultrasmall silica–CTAB hybrid nanoparticles for generating high photoluminescence. Journal of Materials Chemistry C, 2020, 8, 6413-6421.	5.5	2
4835	SiRNA-directed self-assembled quantum dot biosensor for simultaneous detection of multiple microRNAs at the single-particle level. Biosensors and Bioelectronics, 2020, 157, 112177.	10.1	23

#	Article	IF	CITATIONS
4836	Programmable patterns in a DNA-based reaction–diffusion system. Soft Matter, 2020, 16, 3555-3563.	2.7	17
4838	Excitation Transfer in Hybrid Nanostructures of Colloidal Ag2S/TGA Quantum Dots and Indocyanine Green J-Aggregates. Journal of Fluorescence, 2020, 30, 581-589.	2.5	2
4839	Topical dual-probe staining using quantum dot-labeled antibodies for identifying tumor biomarkers in fresh specimens. PLoS ONE, 2020, 15, e0230267.	2.5	5
4840	Activatable Molecular Probes for Second Nearâ€Infrared Fluorescence, Chemiluminescence, and Photoacoustic Imaging. Angewandte Chemie, 2020, 132, 11813-11827.	2.0	86
4841	Designer cell-self-implemented labeling of microvesicles in situ with the intracellular-synthesized quantum dots. Science China Chemistry, 2020, 63, 448-453.	8.2	10
4842	Activatable Molecular Probes for Second Nearâ€Infrared Fluorescence, Chemiluminescence, and Photoacoustic Imaging. Angewandte Chemie - International Edition, 2020, 59, 11717-11731.	13.8	353
4843	ZnSe/ZnS Core/Shell Quantum Dots with Superior Optical Properties through Thermodynamic Shell Growth. Nano Letters, 2020, 20, 2387-2395.	9.1	81
4844	Luminescent Materials in Lighting, Display, Solar Cell, Sensing, and Biomedical Applications. , 0, , .		4
4845	New application of Mn-doped ZnS quantum dots: phosphorescent sensor for the rapid screening of chloramphenicol and tetracycline residues. Analytical Methods, 2020, 12, 3513-3522.	2.7	6
4846	Nanomaterial-based gas sensor for environmental science and technology. , 2020, , 229-252.		2
4847	Light converting Yb ³⁺ /Er ³⁺ doped YVO ₄ nanoparticles for biological applications. Laser Physics Letters, 2020, 17, 075901.	1.4	12
4848	Studies of nanoparticle delivery with in vitro bio-engineered microtissues. Bioactive Materials, 2020, 5, 924-937.	15.6	41
4849	Deep Fluorescence Imaging by Laserâ€Scanning Excitation and Artificial Neural Network Processing. Advanced Optical Materials, 2020, 8, 2000390.	7.3	2
4850	Biofunctionalized Polymer Nanomaterials: Implications on Shapes and Sizes., 2020,,.		0
4851	Surface and intrinsic contributions to extinction properties of ZnSe quantum dots. Nano Research, 2020, 13, 824-831.	10.4	34
4852	Advances in nanotechnology and nanomaterials based strategies for neural tissue engineering. Journal of Drug Delivery Science and Technology, 2020, 57, 101617.	3.0	88
4853	Simultaneous Surface Reflectance and Fluorescence Spectra Estimation. IEEE Transactions on Image Processing, 2020, 29, 8791-8804.	9.8	7
4854	Anisotropic protein diffusion on nanosurface. Nanoscale, 2020, 12, 5209-5216.	5.6	15

#	Article	IF	CITATIONS
4855	Rapidly detecting antibiotics with magnetic nanoparticle coated CdTe quantum dots. RSC Advances, 2020, 10, 1966-1970.	3.6	11
4857	Quantum Dots and Gold Nanoparticles as Scaffolds for Enzymatic Enhancement: Recent Advances and the Influence of Nanoparticle Size. Catalysts, 2020, 10, 83.	3.5	20
4858	Mn-Doped ZnS Quantum dots–An Effective Nanoscale Sensor. Microchemical Journal, 2020, 155, 104755.	4.5	36
4859	A lysosome specific, acidic-pH activated, near-infrared Bodipy fluorescent probe for noninvasive, long-term, in vivo tumor imaging. Materials Science and Engineering C, 2020, 111, 110762.	7.3	17
4860	Fluorene-Based Poly(imino ketone) with Fluorine Atoms on the Side Chains as an Intelligent High-Performance Polymer. Journal of Macromolecular Science - Physics, 2020, 59, 357-365.	1.0	0
4861	Luminescent switch of polysaccharide-peptide-quantum dot nanostructures for targeted-intracellular imaging of glioblastoma cells. Journal of Molecular Liquids, 2020, 304, 112759.	4.9	17
4862	Sulfur doped graphene quantum dots as a potential sensitive fluorescent probe for the detection of quercetin. Food Chemistry, 2020, 317, 126457.	8.2	64
4863	Peptide- and Drug-Functionalized Fluorescent Quantum Dots for Enhanced Cell Internalization and Bacterial Debilitation. ACS Applied Bio Materials, 2020, 3, 1913-1923.	4.6	10
4864	Multifunctional Droplet Microfluidic Platform for Rapid Immobilization of Oligonucleotides on Semiconductor Quantum Dots. ACS Sensors, 2020, 5, 746-753.	7.8	8
4865	One Pot Aqueous Synthesis of L-Histidine Amino Acid Capped Mn: ZnS Quantum Dots for Dopamine Sensing. Current Nanoscience, 2020, 16, 71-78.	1.2	2
4866	Polystyrene@poly(ar-vinylbenzyl)trimethylammonium-co-acrylic acid core/shell pH-responsive nanoparticles for active targeting and imaging of cancer cell based on aggregation induced emission. Mikrochimica Acta, 2020, 187, 166.	5.0	8
4867	CsPbBr3 Quantum Dots as Artificial Antennas to Enhance the Light-Harvesting Efficiency and Photoresponse of Zinc Porphyrin. Journal of Physical Chemistry C, 2020, 124, 5069-5078.	3.1	6
4868	Photoactivatable fluorescent probes for spatiotemporal-controlled biosensing and imaging. TrAC - Trends in Analytical Chemistry, 2020, 125, 115811.	11.4	33
4869	Advances in functional nucleic acid based paper sensors. Journal of Materials Chemistry B, 2020, 8, 3213-3230.	5.8	45
4870	Facile and efficient 3-chlorophenol sensor development based on photolumenescent core-shell CdSe/ZnS quantum dots. Scientific Reports, 2020, 10, 557.	3.3	33
4871	Multinary copper-based chalcogenide semiconductor nanocrystals: synthesis and applications in light-emitting diodes and bioimaging. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	19
4872	Single-Virus Tracking: From Imaging Methodologies to Virological Applications. Chemical Reviews, 2020, 120, 1936-1979.	47.7	131
4873	Introduction: carbon and carbon nanomaterials. , 2020, , 23-45.		2

#	Article	IF	CITATIONS
4874	A highly selective fluorescent chemosensor probe for detection of Fe3+ and Ag+ based on supramolecular assembly of cucurbit[10]uril with a pyrene derivative. Dyes and Pigments, 2020, 176, 108235.	3.7	46
4875	Sensitized Yb ³⁺ Luminescence in CsPbCl ₃ Film for Highly Efficient Nearâ€Infrared Lightâ€Emitting Diodes. Advanced Science, 2020, 7, 1903142.	11.2	54
4876	Quantum dots functionalized with gH625 attenuate QDs oxidative stress and lethality in Caenorhabditis elegans: a model system. Ecotoxicology, 2020, 29, 156-162.	2.4	4
4877	Shell-Free Copper Indium Sulfide Quantum Dots Induce Toxicity <i>in Vitro</i> and <i>in Vivo</i> Nano Letters, 2020, 20, 1980-1991.	9.1	48
4878	Intracellular Labeling with Extrinsic Probes: Delivery Strategies and Applications. Small, 2020, 16, e2000146.	10.0	21
4879	Multifunctional nanoparticles in stem cell therapy for cellular treating of kidney and liver diseases. Tissue and Cell, 2020, 65, 101371.	2.2	2
4880	A Förster Resonance Energy Transferâ€Based Ratiometric Sensor with the Allosteric Transcription Factor TetR. Small, 2020, 16, e1907522.	10.0	16
4881	Quantum Dot Bioconjugates for Diagnostic Applications. Topics in Current Chemistry, 2020, 378, 35.	5.8	36
4882	Interfacial strain and shell thickness effect on core squeeze/stretch in core/shell quantum dots. SN Applied Sciences, 2020, 2, 1.	2.9	3
4883	Cellulose-Based Photoluminescent Nanocomposites. , 2020, , 117-170.		3
4884	Real-time monitoring of the effect of carbon nanoparticles on the surface behavior of DPPC/DPPG Langmuir monolayer. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110922.	5.0	21
4885	Fluorescence resonance energy transfer (FRET) between acriflavine and CdTe quantum dot. Materials Today: Proceedings, 2020, 46, 6087-6087.	1.8	3
4886	Watching nanomaterials with X-ray eyes: Probing different length scales by combining scattering with spectroscopy. Progress in Materials Science, 2020, 112, 100667.	32.8	21
4887	Aluminum foil as a substrate for metal enhanced fluorescence of bacteria labelled with quantum dots, shows very large enhancement and high contrast. Sensing and Bio-Sensing Research, 2020, 28, 100332.	4.2	8
4888	Photophysical Properties of Multilayer Graphene–Quantum Dots Hybrid Structures. Nanomaterials, 2020, 10, 714.	4.1	4
4889	Synthesis and Spectroscopy of Emissive, Surface-Modified, Copper-Doped Indium Phosphide Nanocrystals., 2020, 2, 576-581.		31
4890	Highly luminescent blue-emitting $\ln \langle sub \rangle 1\hat{a}^2 \times \langle sub \rangle Ga \langle sub \rangle \times \langle sub \rangle P@ZnS$ quantum dots and their applications in QLEDs with inverted structure. Journal of Materials Chemistry C, 2020, 8, 7679-7687.	5.5	3
4891	Theranostic application of nanoemulsions in chemotherapy. Drug Discovery Today, 2020, 25, 1174-1188.	6.4	85

#	Article	IF	CITATIONS
4892	Growth, transfer printing and colour conversion techniques towards full-colour micro-LED display. Progress in Quantum Electronics, 2020, 71, 100263.	7.0	193
4893	CdTe and CdTe@ZnS quantum dots induce IL-1ß-mediated inflammation and pyroptosis in microglia. Toxicology in Vitro, 2020, 65, 104827.	2.4	25
4894	Compact, "Clickable―Quantum Dots Photoligated with Multifunctional Zwitterionic Polymers for Immunofluorescence and <i>In Vivo</i> Imaging. Bioconjugate Chemistry, 2020, 31, 1497-1509.	3.6	19
4895	Magnetic nanocomposite with fluorescence enhancement effect based on amino acid coated-Fe3O4 functionalized with quantum dots. Materials Chemistry and Physics, 2020, 251, 123082.	4.0	9
4896	Sugar-Based Aggregation-Induced Emission Luminogens: Design, Structures, and Applications. Chemical Reviews, 2020, 120, 4534-4577.	47.7	158
4897	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. Chemical Reviews, 2020, 120, 6009-6047.	47.7	107
4898	Optical properties and applications of twoâ€dimensional CdSe nanoplatelets. InformaÄnÃ-Materiály, 2020, 2, 905-927.	17.3	65
4899	Recent Advances in Nanomaterials with Inherent Optical and Magnetic Properties for Bioimaging and Imaging-Guided Nucleic Acid Therapy. Bioconjugate Chemistry, 2020, 31, 1234-1246.	3.6	12
4900	Tunable Metal Oxide Shell as a Spacer to Study Energy Transfer in Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2020, 11, 3430-3435.	4.6	13
4901	Gold nanoparticles standing on PEG/PAMAM/thiol-functionalized nanographene oxide as aqueous catalysts. Polymer Chemistry, 2020, 11, 4094-4104.	3.9	17
4902	Encapsulation for Cancer Therapy. Molecules, 2020, 25, 1605.	3.8	56
4903	Luminescent carbon dots obtained from polymeric waste. Journal of Cleaner Production, 2020, 262, 121288.	9.3	29
4904	A fluorescent probe for the detection of Hg2+ based on rhodamine derivative and modified CdTe quantum dots. Research on Chemical Intermediates, 2020, 46, 987-997.	2.7	7
4905	Dancing with Trojan horses: an interplay between the extracellular vesicles and viruses. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3034-3060.	3.5	27
4906	Synthesis and characterisation of ZnS quantum dots encapsulated zeolitic imidazolate frameworks. Materials Today: Proceedings, 2021, 41, 665-668.	1.8	2
4907	Rationally Designed Multivalent Aptamers Targeting Cell Surface for Biomedical Applications. ACS Applied Materials & Samp; Interfaces, 2021, 13, 9369-9389.	8.0	49
4908	PARAFAC study of L-cys@CdTe QDs interaction to BSA, cytochrome c and trypsin: An approach through electrostatic and covalent bonds. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119016.	3.9	14
4909	Preparation and mechanism investigation of CdS quantum dots applied for copper ion rapid detection. Journal of Alloys and Compounds, 2021, 854, 157195.	5 . 5	18

#	Article	IF	Citations
4910	Recent advances in biosensors for in vitro detection and in vivo imaging of DNA methylation. Biosensors and Bioelectronics, 2021, 171, 112712.	10.1	56
4911	A study of microbially fabricated bio-conjugated quantum dots for pico-molar sensing of H ₂ O ₂ and glucose. Biomaterials Science, 2021, 9, 157-166.	5 . 4	12
4912	Quantum dots-based hydrogels for sensing applications. Chemical Engineering Journal, 2021, 408, 127351.	12.7	47
4913	Superbranched polyglycerol nanostructures as drug delivery and theranostics tools for cancer treatment. Drug Discovery Today, 2021, 26, 1006-1017.	6.4	18
4914	Nanoscale optical voltage sensing in biological systems. Journal of Luminescence, 2021, 230, 117719.	3.1	3
4915	Cell wall: An important medium regulating the aggregation of quantum dots in maize (Zea mays L.) seedlings. Journal of Hazardous Materials, 2021, 403, 123960.	12.4	15
4916	Enhanced Stability and Emission Properties of Perylene Dyes by Surface Tethering: Preparation of Fluorescent Ru Nanoparticle Suspensions by Alkyne Linker Chemistry. Chemistry - A European Journal, 2021, 27, 1023-1030.	3.3	1
4917	Biocompatible and fluorescent water based NIR emitting CdTe quantum dot probes for biomedical applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119206.	3.9	9
4918	Carbon Nanodots in Electrochemical Sensors and Biosensors: A Review. ChemElectroChem, 2021, 8, 15-35.	3.4	64
4919	Recent Developments in Semiconducting Polymer Dots for Analytical Detection and NIR-II Fluorescence Imaging. ACS Applied Bio Materials, 2021, 4, 2142-2159.	4.6	25
4920	Resolution Enhancement and Background Suppression in Optical Superâ€Resolution Imaging for Biological Applications. Laser and Photonics Reviews, 2021, 15, .	8.7	13
4921	Current nanotechnology advances in diagnostic biosensors. Medical Devices & Sensors, 2021, 4, e10156.	2.7	11
4922	Design and Application of Conjugated Polymer Nanomaterials for Detection and Inactivation of Pathogenic Microbes. ACS Applied Bio Materials, 2021, 4, 370-386.	4.6	38
4923	Functionality of receptor targeted zinc-insulin quantum clusters in skin tissue augmentation and bioimaging. Journal of Drug Targeting, 2021, 29, 541-550.	4.4	12
4924	Cell-penetrating peptides (CPPs): an overview of applications for improving the potential of nanotherapeutics. Biomaterials Science, 2021, 9, 1153-1188.	5 . 4	77
4925	The cytotoxicity of core-shell or non-shell structure quantum dots and reflection on environmental friendly: A review. Environmental Research, 2021, 194, 110593.	7.5	36
4926	A novel and sensitive Cu2ZnSnS4 quantum dot–based non–enzymatic glucose sensor. Sensors and Actuators B: Chemical, 2021, 329, 129117.	7.8	17
4927	Enhancing Biosynthesis and Manipulating Flux in Whole Cells with Abiotic Catalysis. ChemBioChem, 2021, 22, 469-477.	2.6	5

#	ARTICLE	IF	CITATIONS
4928	Selfâ€assembled, Programmable DNA Nanodevices for Biological and Biomedical Applications. ChemBioChem, 2021, 22, 763-778.	2.6	13
4929	Identification of core/shell structure in Cdâ€Znâ€Se QDs inside silicate glasses using 3D elemental distribution analysis. Journal of the American Ceramic Society, 2021, 104, 294-301.	3.8	1
4930	Nanostructured 2D Materials for Biomedical, Nano Bioengineering, and Nanomechanical Devices. Materials Horizons, 2021, , 211-229.	0.6	3
4931	Enzyme-responsive polymer composites and their applications. , 2021, , 169-182.		0
4932	Cytosolic delivery of membrane-penetrating QDs into T cell lymphocytes: implications in immunotherapy and drug delivery. Nanoscale, 2021, 13, 5519-5529.	5.6	6
4933	Nanoparticles in medical imaging. , 2021, , 175-210.		3
4934	Tunable optical performance in nanosized AgInS2-ZnS solid solution heterostructures due to the precursor's ratio modification. Optical Materials Express, 2021, 11, 539.	3.0	6
4935	Water-compatible Colloidal Nanocrystals. RSC Nanoscience and Nanotechnology, 2021, , 47-76.	0.2	0
4936	Carbohydrate Functionalized Quantum Dots in Sensing, Imaging and Therapy Applications. , 2021, , 433-472.		2
4937	The unconventional role of surface ligands in dictating the light harvesting properties of quantum dots. Journal of Materials Chemistry A, 2021, 9, 7422-7457.	10.3	18
4938	Nanostructured Materials for Glycan Based Applications. , 2021, , 473-505.		0
4939	Nanomaterials: An Introduction. Springer Series in Biomaterials Science and Engineering, 2021, , 1-27.	1.0	10
4940	Multispectral upconversion nanoparticles for near infrared encoding of wearable devices. RSC Advances, 2021, 11, 21897-21903.	3.6	4
4941	Out-of-Phase Imaging after Optical Modulation (OPIOM) for Multiplexed Fluorescence Imaging Under Adverse Optical Conditions. Methods in Molecular Biology, 2021, 2350, 191-227.	0.9	O
4942	Turning on high-rate-capability fluorescence resonance energy transfer in a quantum dot-molecule system <i>via</i> high pressure. Journal of Materials Chemistry C, 2021, 9, 14388-14393.	5.5	6
4943	Organic dots (O-dots) for theranostic applications: preparation and surface engineering. RSC Advances, 2021, 11, 2253-2291.	3.6	10
4944	Organic–inorganic nanohybrids based on an AIE luminogen-functional polymer and CdTe/ZnS QDs: morphologies, optical properties, and applications. Polymer Chemistry, 2021, 12, 3775-3783.	3.9	4
4945	Harnessing nanotechnology to expand the toolbox of chemical biology. Nature Chemical Biology, 2021, 17, 129-137.	8.0	24

#	Article	IF	Citations
4946	Developing a Fluorescent Hybrid Nanobiosensor Based on Quantum Dots and Azoreductase Enzyme forMethyl Red Monitoring. Iranian Biomedical Journal, 2021, 25, 8-20.	0.7	20
4947	Diagnostic and Therapeutic Nanomedicine. Advances in Experimental Medicine and Biology, 2021, 1310, 401-447.	1.6	7
4948	Dendrimer as imaging contrast agents. , 2021, , 337-361.		0
4949	Semiconductor Quantum Dots and Core Shell Systems for High Contrast Cellular/Bio Imaging. Progress in Optical Science and Photonics, 2021, , 27-38.	0.5	0
4950	Progresses on Polymer Nanocomposites: Drug Delivery Systems and Sensitive Detections. , 2021, , 381-401.		0
4951	Hot Injection Method for Nanoparticle Synthesis: Basic Concepts, Examples and Applications. Indian Institute of Metals Series, 2021, , 383-434.	0.3	4
4952	Modern aspects of strategies for developing single-phase broadly tunable white light-emitting phosphors. Journal of Materials Chemistry C, 2021, 9, 13041-13071.	5.5	32
4953	CHAPTER 6. Applications of Colloidal Nanocrystals. RSC Nanoscience and Nanotechnology, 2021, , 209-257.	0.2	0
4954	Quantum dots: Synthesis and characterizations. , 2021, , 1-35.		2
4955	Advances in fluorescent probes for detection and imaging of amyloid-β peptides in Alzheimer's disease. Advances in Clinical Chemistry, 2021, 103, 135-190.	3.7	13
4956	Critical overview on the green synthesis of carbon quantum dots and their application for cancer therapy. Environmental Science: Nano, 2021, 8, 848-862.	4.3	55
4957	Recent progress in nanotechnology-based drug carriers for celastrol delivery. Biomaterials Science, 2021, 9, 6355-6380.	5.4	18
4958	Quantum Dots in Drug Delivery. Gels Horizons: From Science To Smart Materials, 2021, , 149-167.	0.3	0
4959	Pushing the Band Gap Envelope of Quasi-Type II Heterostructured Nanocrystals to Blue: ZnSe/ZnSe _{1- <i>X</i>} Te <i>X X </i> /ZnSe Spherical Quantum Wells. Energy Material Advances, 2021, 2021, .	11.0	19
4960	Affinity biosensors developed with quantum dots in microfluidic systems. Emergent Materials, 2021, 4, 187-209.	5.7	22
4961	Development of Iridium Based Fluorimetric Method for Determination of Cystein. Hacettepe Journal of Biology and Chemistry, 0, , .	0.9	1
4962	Assessment of Immunotoxicity and Oxidative Stress Induced by Zinc Selenium/Zinc Sulphide Quantum Dots. Frontiers in Nanotechnology, 2021, 2, .	4.8	3
4963	Fluorescent Nanohybrids from ZnS/CdSe Quantum Dots Functionalized with Triantennary, <i>N</i> -Hydroxy- <i>p</i> -(4-arylbutanamido)benzamide/Gallamide Dendrons That Act as Inhibitors of Histone Deacetylase for Lung Cancer. ACS Applied Bio Materials, 2021, 4, 2475-2489.	4.6	3

#	Article	IF	CITATIONS
4964	Spatial Dependence of the Dipolar Interaction between Quantum Dots and Organic Molecules Probed by Two-Color Sum-Frequency Generation Spectroscopy. Symmetry, 2021, 13, 294.	2.2	3
4965	Colloidal CdSe nanocrystals are inherently defective. Nature Communications, 2021, 12, 890.	12.8	22
4966	Electromagnetically Stimuli-Responsive Nanoparticles-Based Systems for Biomedical Applications: Recent Advances and Future Perspectives. Nanomaterials, 2021, 11, 848.	4.1	29
4967	Synthesis of Magnetic Ions-Doped QDs Synthesized Via a Facial Aqueous Solution Method for Optical/MR Dual-Modality Imaging Applications. Journal of Fluorescence, 2021, 31, 897-906.	2.5	2
4968	Programmable Random Lasing Pulses Based on Waveguideâ€Assisted Random Scattering Feedback. Laser and Photonics Reviews, 2021, 15, 2000506.	8.7	24
4969	Advances in singleâ€molecule fluorescent nanosensors. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1716.	6.1	19
4970	Thick-Shell CdSe/ZnS/CdZnS/ZnS Core/Shell Quantum Dots for Quantitative Immunoassays. ACS Applied Nano Materials, 2021, 4, 2855-2865.	5.0	17
4971	Structural characterization of cystathionine γ-lyase smCSE enables aqueous metal quantum dot biosynthesis. International Journal of Biological Macromolecules, 2021, 174, 42-51.	7.5	5
4972	Quantum Dots for Improved Single-Molecule Localization Microscopy. Journal of Physical Chemistry B, 2021, 125, 2566-2576.	2.6	12
4973	A Bioâ€Conjugated Fullerene as a Subcellularâ€Targeted and Multifaceted Phototheranostic Agent. Advanced Functional Materials, 2021, 31, 2101527.	14.9	22
4974	Highly versatile near-infrared emitters based on an atomically defined HgS interlayer embedded into a CdSe/CdS quantum dot. Nature Nanotechnology, 2021, 16, 673-679.	31.5	37
4975	Extracellular vesicle hybrid engineering for DDS and medical application. Drug Delivery System, 2021, 36, 90-99.	0.0	0
4976	Enhancing Permeation of Drug Molecules Across the Skin via Delivery in Nanocarriers: Novel Strategies for Effective Transdermal Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 646554.	4.1	119
4977	Naturally Derived Carbon Dots as Bioimaging Agents. , 0, , .		1
4978	Functionalized Scintillating Nanotubes for Simultaneous Radio- and Photodynamic Therapy of Cancer. ACS Applied Materials & District Sciences, 2021, 13, 12997-13008.	8.0	13
4979	Luminescence Semiconductor Quantum Dots in Chemical Analysis. Journal of Analytical Chemistry, 2021, 76, 273-283.	0.9	5
4980	Compressibility of Multicomponent, Charged Model Biomembranes Tunes Permeation of Cationic Nanoparticles. Langmuir, 2021, 37, 3550-3562.	3.5	3
4981	Controllable preparation of boron nitride quantum dots with small size and strong blue photoluminescence. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126181.	4.7	13

ARTICLE Bonding behavior and passivation mechanism of organic ligands (-SH, -NH2, -COOH) on ZnS (<mml:math) Tj ETQq0 0 orgBT Overlock 1 4982 6.1 9 surface from first-principles calculations. Applied Surface Science, 2021, 545, 148970. Synthesis of polystyrene-based fluorescent quantum dots nanolabel and its performance in H5N1 virus 4983 5.5 24 and SARS-CoV-2 antibody sensing. Talanta, 2021, 225, 122064. 4984 Nanocrystal Quantum Dots: From Discovery to Modern Development. ACS Nano, 2021, 15, 6192-6210. 14.6 228 Roomâ€Temperature Diffusionâ€Induced Extraction for Perovskite Nanocrystals with High Luminescence 4985 and Stability. Small Methods, 2021, 5, 2001292. Persistent luminescence nanoparticles for cancer theranostics application. Journal of 4986 9.1 50 Nanobiotechnology, 2021, 19, 113. 4987 Indium phosphide magic-sized clusters: chemistry and applications. NPG Asia Materials, 2021, 13,. MXene in the lens of biomedical engineering: synthesis, applications and future outlook. BioMedical 4988 2.7 108 Engineering OnLine, 2021, 20, 33. Melting Behavior of Bimetallic and Trimetallic Nanoparticles: A Review of MD Simulation Studies. 4080 5.8 Topics in Current Chemistry, 2021, 379, 22. Synthesis and Applications of ZnO/Polymer Nanohybrids., 2021, 3, 599-621. 63 Distributed on Porous Carbon Nanosheets for Stable and Longâ€Life Liâ€"S Batteries: Enhanced 4991 21.0 Polysulfide Mediation via Defect Engineering. Advanced Materials, 2021, 33, e2008447. Polymer dots and derived hybrid nanomaterials: A review. Journal of Plastic Film and Sheeting, 2021, 4992 2.2 7 37, 510-528. Bio-synthesised Silver Nanoparticle-Conjugated I-Cysteine Ceiled Mn:ZnS Quantum Dots for Eco-friendly Biosensor and Antimicrobial Applications. Journal of Electronic Materials, 2021, 50, 4993 2.2 3986-3995 The Emergence and Evolution of Borophene. Advanced Science, 2021, 8, 2001801. 4994 11.2 98 Beyond Color: The New Carbon Ink. Advanced Materials, 2021, 33, e2005890. 21.0 Softness Meets with Brightness: Dyeâ€Doped Multifunctional Fluorescent Polymer Particles via 4996 7.3 14 Microfluidics for Labeling. Advanced Optical Materials, 2021, 9, 2002219. Influence of Luminescent Nanomaterials on Plant Growth and Development. ChemNanoMat, 2021, 7, 4997 2.8 859-872. Recapitulation of Cancer Nanotherapeutics. Current Nanomedicine, 2021, 11, 3-15. 0.6 0 Cadmium selenide (CdSe) quantum dots cause genotoxicity and oxidative stress in Allium cepa plants. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2021, 865, 503338.

#	ARTICLE	IF	CITATIONS
5000	Fluorescent nitrogen-doped carbon nanodots synthesized through a hydrothermal method with different isomers. Journal of the Taiwan Institute of Chemical Engineers, 2021, 123, 302-302.	5. 3	13
5001	Silicon Quantum Dot–Polymer Fabry–Pérot Resonators with Narrowed and Tunable Emissions. ACS Applied Materials & Dota & Samp; Interfaces, 2021, 13, 27149-27158.	8.0	8
5002	Visual Quantitative Detection of Glutathione and Cholesterol in Human Blood Based on the Thiol–Ene Click Reaction-Triggered Wettability Change of the Interface. Analytical Chemistry, 2021, 93, 7292-7299.	6.5	7
5003	Fluorescent sensor based on quantum dots and nanoâ€porphyrin for highly sensitive and specific determination of ethyl carbamate in fermented food. Journal of the Science of Food and Agriculture, 2021, 101, 6193-6201.	3.5	11
5004	Synthesis of luminescent biotinylated multivalent dendrimer encapsulated quantum dots and investigation on its physico-chemical interactions with biological receptor avidin. Journal of Luminescence, 2021, 234, 117940.	3.1	2
5005	Nanotechnology synergized immunoengineering for cancer. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 163, 72-101.	4.3	8
5006	Ultrabright Fluorescent Silica Nanoparticles for Dual pH and Temperature Measurements. Nanomaterials, 2021, 11, 1524.	4.1	5
5007	Quantum Dots: A Promising Fluorescent Label for Probing Virus Trafficking. Accounts of Chemical Research, 2021, 54, 2991-3002.	15.6	44
5008	Molecular Perspective of Nanoparticle Mediated Therapeutic Targeting in Breast Cancer: An Odyssey of Endoplasmic Reticulum Unfolded Protein Response (UPRER) and Beyond. Biomedicines, 2021, 9, 635.	3.2	8
5009	Optical features of ligated semiconducting quantum dots subjected to an electric field. International Journal of Quantum Chemistry, 2021, 121, e26763.	2.0	1
5010	Hexagonal boron nitride quantum dots: Properties, preparation and applications. Materials Today Chemistry, 2021, 20, 100425.	3.5	18
5011	Perovskite Quantum Dots for Superâ∈Resolution Optical Microscopy: Where Strong Photoluminescence Blinking Matters. Advanced Optical Materials, 2021, 9, 2100620.	7.3	10
5012	Synthesis and Bioapplications of Ag ₂ S Quantum Dots with Nearâ€Infrared Fluorescence. Advanced Materials, 2021, 33, e2007768.	21.0	87
5013	Heralded high-fidelity quantum hyper-CNOT gates assisted by charged quantum dots inside single-sided optical microcavities. Optics Express, 2021, 29, 20045.	3.4	20
5014	Engineering Cytochrome C with Quantum Dots and Ionic Liquids: A Win-Win Strategy for Protein Packaging against Multiple Stresses. ACS Sustainable Chemistry and Engineering, 2021, 9, 8327-8335.	6.7	11
5015	Dyes as Labels in Biosensing. , 0, , .		2
5016	A Novel Fluorescent FRET Hairpin Probe Switch for aflD Gene Detection in Real Fermented Soybean Paste. Food Analytical Methods, 2021, 14, 2469-2477.	2.6	1
5017	Photoluminescent Nanoparticles for Chemical and Biological Analysis and Imaging. Chemical Reviews, 2021, 121, 9243-9358.	47.7	162

#	ARTICLE	IF	CITATIONS
5018	Parameters guiding the self-assembly of quantum dots and DNA origami by peptide-PNA. , 2021, , .		0
5019	Nanoparticle Size Effects in Biomedical Applications. ACS Applied Nano Materials, 2021, 4, 6471-6496.	5.0	90
5020	Self-assembled dual-emissive nanoprobe with metalâ^'organic frameworks as scaffolds for enhanced ascorbic acid and ascorbate oxidase sensing. Sensors and Actuators B: Chemical, 2021, 339, 129910.	7.8	40
5021	Biosensors in Parkinson's disease. Clinica Chimica Acta, 2021, 518, 51-58.	1.1	26
5022	Nanomaterials and Stem Cell Differentiation Potential: An Overview of Biological Aspects and Biomedical Efficacy. Current Medicinal Chemistry, 2022, 29, 1804-1823.	2.4	5
5023	Quenched or alive quantum dots: The leading roles of ligand adsorption and photoinduced protonation. Journal of Colloid and Interface Science, 2021, 594, 245-253.	9.4	3
5024	MULTI-FUNCTIONAL CARBON DOTS: A SYSTEMATIC OVERVIEW. International Journal of Applied Pharmaceutics, 0 , 1 -22.	0.3	0
5025	Recent Developments in the Use of Glyconanoparticles and Related Quantum Dots for the Detection of Lectins, Viruses, Bacteria and Cancer Cells. Frontiers in Chemistry, 2021, 9, 668509.	3.6	11
5026	Ceria nanoparticle theranostics: harnessing antioxidant properties in biomedicine and beyond. JPhys Materials, 2021, 4, 042003.	4.2	23
5027	Advancing sensing technology with CRISPR: From the detection of nucleic acids to a broad range of analytes – A review. Analytica Chimica Acta, 2021, 1185, 338848.	5.4	45
5028	<i>In Situ</i> Biosynthesis of a Metal Nanoparticle Encapsulated in Alginate Gel for Imageable Drug-Delivery System. ACS Applied Materials & Samp; Interfaces, 2021, 13, 36697-36708.	8.0	14
5029	Sonochemical Preparation of Inorganic Nanoparticles and Nanocomposites for Drug Release–A Review. Industrial & Engineering Chemistry Research, 2021, 60, 10011-10032.	3.7	10
5030	Structural, optical, cytotoxic, and anti-microbial properties of amorphous silica nanoparticles synthesised via hybrid method for biomedical applications. Materials Technology, 0, , 1-12.	3.0	11
5031	The Application of Organic Nanomaterials for Bioimaging, Drug Delivery, and Therapy: Spanning Various Domains. IEEE Nanotechnology Magazine, 2021, 15, 8-28.	1.3	16
5032	Biophotoelectrochemistry for renewable energy and environmental applications. IScience, 2021, 24, 102828.	4.1	21
5033	Ligand Locking on Quantum Dot Surfaces via a Mild Reactive Surface Treatment. Journal of the American Chemical Society, 2021, 143, 13418-13427.	13.7	14
5034	Synthesis and Study of the Thermally Stable Poly(arylene ether ketone) Nanohybrids Containing Cadmium Selenide Nanocrystals. ChemistrySelect, 2021, 6, 7622-7627.	1.5	1
5035	Efficient, Stable, and Photoluminescence Intermittency-Free CdSe-Based Quantum Dots in the Full-Color Range. ACS Photonics, 2021, 8, 2538-2547.	6.6	10

#	ARTICLE	IF	Citations
5036	One-step preparation of green tea ash derived and polymer functionalized carbon quantum dots via the thiol-ene click chemistry. Inorganic Chemistry Communication, 2021, 130, 108743.	3.9	8
5038	Influence on structural, electronic and optical properties of Fe doped <scp>ZnS</scp> quantum dot: A density functional theory based study. International Journal of Quantum Chemistry, 2021, 121, e26786.	2.0	4
5039	Size-responsive differential modulation in \hat{l} ±-amylase by MPA-CdSe QDs: multispectroscopy and molecular docking study. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	3
5040	Semiconductor quantum dots: Technological progress and future challenges. Science, 2021, 373, .	12.6	600
5041	Controllable synthesis of CdSe/ZnS core–shell quantum dots by one-step thermal injection and application in light-emitting diodes. Journal of Materials Science: Materials in Electronics, 2021, 32, 22024-22034.	2.2	6
5042	Interactions of Ag+ ions and Ag-nanoparticles with protein. A comparative and multi spectroscopic investigation. Journal of Molecular Liquids, 2021, 335, 116226.	4.9	6
5043	Magnetoâ€Endosomalytic Therapy for Cancer. Advanced Healthcare Materials, 2022, 11, e2101010.	7.6	6
5044	Cdâ€free InP / ZnSeS quantum dots for ultrahighâ€resolution imaging of stimulated emission depletion. Journal of Biophotonics, 2021, 14, e202100230.	2.3	3
5045	Nanostructured Substrates as Matrices for Surface Assisted Laser Desorption/Ionization Mass Spectrometry: A Progress Report from Material Research to Biomedical Applications. Small Methods, 2021, 5, e2100762.	8.6	30
5046	Review: Nanomaterials for Reactive Oxygen Species Detection and Monitoring in Biological Environments. Frontiers in Chemistry, 2021, 9, 728717.	3.6	11
5047	Examining the Transient Dark State in Protein-Quantum Dot Interaction by Relaxation-Based Solution NMR. Journal of Physical Chemistry B, 2021, 125, 10119-10125.	2.6	1
5048	Extensive Broadband Near-Infrared Emissions from GexSi1â^'x Alloys on Micro-Hole Patterned Si(001) Substrates. Nanomaterials, 2021, 11, 2545.	4.1	2
5049	Synthesis and Application of Silica-Coated Quantum Dots in Biomedicine. International Journal of Molecular Sciences, 2021, 22, 10116.	4.1	19
5050	Supercritical fluid (SCF)-assisted fabrication of carrier-free drugs: An eco-friendly welcome to active pharmaceutical ingredients (APIs). Advanced Drug Delivery Reviews, 2021, 176, 113846.	13.7	40
5051	Frontier luminous strategy of functional silica nanohybrids in sensing and bioimaging: From ACQ to AIE. Aggregate, 2022, 3, e121.	9.9	26
5052	A facile and fast strategy for cathodic electroactive-biofilm assembly via magnetic nanoparticle bioconjugation. Biosensors and Bioelectronics, 2021, 190, 113464.	10.1	10
5053	Non-radiative relaxation and nonlinear properties of YVO4:Yb3+, Er3+ upconversion nanoparticles. Chemical Physics, 2021, 551, 111337.	1.9	3
5054	Preparation of twin graphene quantum dots through the electric-field-assisted femtosecond laser ablation of graphene dispersions. Carbon, 2021, 185, 384-394.	10.3	4

#	Article	IF	CITATIONS
5055	Rapid optical sensor for recognition of explosive 2,4,6-TNP traces in water through fluorescent ZnSe quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119937.	3.9	25
5056	Photoexcited Charge Trapping Induced Quenching of Radiative Recombination Pathways in CulnS2/ZnS-Dye Nanoassemblies. Journal of Luminescence, 2021, 239, 118402.	3.1	2
5057	Quantum dots-based hydrogel microspheres for visual determination of lactate and simultaneous detection coupled with microfluidic device. Microchemical Journal, 2021, 171, 106801.	4.5	15
5058	An aqueous gold nanorod and CdSe quantum dots hybrid nanomaterial: A potential plasmon enhanced fluorescence structure for bio-probe fabrication. Chemical Engineering Journal, 2021, 426, 131571.	12.7	11
5059	A paper-based visualization chip based on nitrogen-doped carbon quantum dots nanoprobe for Hg(â¡) detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120346.	3.9	31
5060	Temperature Sensing with Nd3+ Doped YAS Laser Microresonators. Applied Sciences (Switzerland), 2021, 11, 1117.	2.5	4
5061	Magnetic nanoparticles. , 2021, , 197-236.		6
5062	Nanomaterials: Synthesis, physicochemical characterization, and biopharmaceutical applications., 2021,, 33-70.		2
5063	Nano drug delivery strategies for the treatment and diagnosis of oral and throat cancers. , 2021, , 75-106.		0
5064	A review of the incorporation of QDs and imprinting technology in optical sensors – imprinting methods and sensing responses. New Journal of Chemistry, 2021, 45, 10170-10198.	2.8	11
5065	Semiconductor nanocrystal photocatalysis for the production of solar fuels. Journal of Chemical Physics, 2021, 154, 030901.	3.0	32
5066	Development of Photofunctional Devices Based on Organic–Inorganic Hybrid Structures. Electrochemistry, 2021, 89, 544-551.	1.4	1
5067	Recent Progress of Gold Nanomaterials in Cancer Therapy. , 2021, , 2989-3018.		0
5068	Activated InN nanocolumns as sensitive halogen sensor. Journal of Materials Science: Materials in Electronics, 2021, 32, 1759-1765.	2.2	2
5070	Functionalized nanoprobes for <i>in situ</i> detection of telomerase. Chemical Communications, 2021, 57, 3736-3748.	4.1	14
5071	Detection of kidney disease biomarkers based on fluorescence technology. Materials Chemistry Frontiers, 2021, 5, 2124-2142.	5.9	27
5072	Modulation of the optical properties of ZnS QD-embedded glass through aluminum and manganese doping. Journal of Materials Chemistry C, 2021, 9, 11261-11271.	5 . 5	13
5073	Selective dual detection of Hg ²⁺ and TATP based on amphiphilic conjugated polythiophene-quantum dot hybrid materials. Analyst, The, 2021, 146, 2894-2901.	3.5	14

#	Article	IF	Citations
5074	Augmentation of Brain Functions byÂNanotechnology. Contemporary Clinical Neuroscience, 2021, , 233-259.	0.3	0
5075	Quantum dots in cell imaging and their safety issues. Journal of Materials Chemistry B, 2021, 9, 5765-5779.	5.8	57
5081	Solidâ€State Thinâ€Film Broadband Shortâ€Wave Infrared Light Emitters. Advanced Materials, 2020, 32, e2003830.	21.0	27
5082	High Quantum Yield Waterâ€Dispersed Nearâ€Infrared In(Zn)As–In(Zn)P–GaP–ZnS Quantum Dots with Robust Stability for Bioimaging. Advanced Materials Interfaces, 2020, 7, 2000920.	3.7	6
5083	Dendrimeric DNA Nanostructures as Scaffolds for Efficient Bidirectional BRET–FRET Cascades. Advanced Optical Materials, 2017, 5, 1700181.	7.3	27
5084	Investigating the Dynamics of Cellular Processes at the Single Molecule Level with Semiconductor Quantum Dots., 2008,, 427-441.		1
5085	(Super)paramagnetic Nanoparticles: Applications in Noninvasive MR Imaging of Stem Cell Transfer. , 2008, , 91-140.		3
5086	Combinatorial Libraries of Fluorescent Monolayers on Glass. , 2009, , 81-115.		2
5087	Biomolecule-Nanomaterial Interactions: Effect on Biomolecular Structure, Function, and Stability., 2009, , 97-114.		1
5088	In Vivo Imaging of Cellular Transplants. Advances in Experimental Medicine and Biology, 2010, 671, 1-12.	1.6	5
5089	Quantum Dot-Sensitized, Three-Dimensional Nanostructures for Photovoltaic Applications. , 2011, , 413-446.		1
5090	In Vivo Approaches to Assessing the Toxicity of Quantum Dots. Methods in Molecular Biology, 2014, 1199, 179-190.	0.9	5
5091	Potential Usage for In Vivo Lectin Screening in Live Animals Utilizing Cell Surface Mimetic Glyco-nanoparticles, Phosphorylcholine-Coated Quantum Dots (PC-QDs). Methods in Molecular Biology, 2014, 1200, 361-369.	0.9	2
5092	Molecular Approaches to Recognize Relevant and Emerging Infectious Diseases in Animals. Methods in Molecular Biology, 2015, 1247, 109-124.	0.9	4
5093	Bioluminescence Resonance Energy Transfer (BRET) Coupled Near-Infrared Imaging of Apoptotic Cells. Methods in Molecular Biology, 2020, 2081, 15-27.	0.9	1
5094	Quantum Dot Molecular Beacons for DNA Detection. Methods in Molecular Biology, 2009, 544, 367-379.	0.9	6
5095	In Vivo Imaging of Quantum Dots. Methods in Molecular Biology, 2009, 544, 393-406.	0.9	15
5096	Imaging Vasculature and Lymphatic Flow in Mice Using Quantum Dots. Methods in Molecular Biology, 2009, 574, 63-74.	0.9	8

#	Article	IF	CITATIONS
5097	Hybrid Raman-Fluorescence Microscopy on Single Cells Using Quantum Dots. Methods in Molecular Biology, 2011, 680, 45-60.	0.9	1
5099	Supported Lipid Bilayers and DNA Curtains for High-Throughput Single-Molecule Studies. Methods in Molecular Biology, 2011, 745, 447-461.	0.9	30
5100	A General Phase Transfer Approach for Metal Ions and Nanoparticles. , 2015, , 11-29.		1
5101	Application of Nanoparticles in Manufacturing. , 2016, , 1219-1278.		3
5102	Directing Convection to Pattern Thin Polymer Films: Coffee Rings. , 2015, , 43-71.		1
5103	Functionalized Carbon Nanodots for Biomedical Applications. Springer Series in Biomaterials Science and Engineering, 2016, , 299-317.	1.0	2
5104	Prospects for Rational Control of Nanocrystal Shape Through Successive Ionic Layer Adsorption and Reaction (SILAR) and Related Approaches. Nanostructure Science and Technology, 2017, , 169-232.	0.1	7
5105	Photoluminescent Carbon Nanomaterials: Properties and Potential Applications., 2009,, 128-153.		2
5106	Fluorescence Photobleaching and Fluorescence Correlation Spectroscopy: Two Complementary Technologies To Study Molecular Dynamics in Living Cells. Principles and Practice, 2007, , 183-233.	0.3	2
5107	Quantum Optics: Colloidal Fluorescent Semiconductor Nanocrystals (Quantum Dots) in Single-Molecule Detection and Imaging. Springer Series in Biophysics, 2008, , 53-81.	0.4	2
5108	Size-Minimized Quantum Dots for Molecular and Cellular Imaging. Springer Series in Chemical Physics, 2010, , 187-201.	0.2	1
5109	Photoinduced Energy Transfer in Artificial Photosynthetic Systems. Springer Series in Optical Sciences, 2010, , 37-72.	0.7	1
5110	Nanoparticle Dispersions. , 2013, , 729-776.		5
5111	Functional DNA-Integrated Nanomaterials for Biosensing. , 2013, , 277-305.		5
5112	The Applications of Upconversion Nanoparticles in Bioassay. Nanostructure Science and Technology, 2015, , 233-253.	0.1	2
5113	Smart Nanoassemblies and Nanoparticles. NIMS Monographs, 2014, , 67-113.	0.3	1
5114	Role of Nanoparticles and Nanomaterials in Drug Delivery: An Overview., 2020,, 247-265.		16
5115	Strongly Quantum Confined Metal Halide Perovskite Nanocrystals. Springer Series in Materials Science, 2020, , 19-49.	0.6	1

#	Article	IF	CITATIONS
5116	Soil Ecological Pros and Cons of Nanomaterials: Impact on Microorganisms and Soil Health. , 2019, , 145-159.		1
5117	Dual-emission fluorescent probe templated by spherical polyelectrolyte brush for ratiometric detection of copper ions. Journal of Materials Science, 2020, 55, 10168-10184.	3.7	13
5118	A novel fluorescence probe for rapid and sensitive detection of tetracyclines residues based on silicon quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118463.	3.9	52
5119	Detection using a quantum dots/porous silicon optical biosensor based on digital fluorescence images. Sensors and Actuators B: Chemical, 2020, 315, 128108.	7.8	15
5120	Interracial differences in prostate cancer progression among patients from the United States, China and Japan. Asian Journal of Andrology, 2013, 15, 705-707.	1.6	12
5121	Probing intermediates of the induction period prior to nucleation and growth of semiconductor quantum dots. Nature Communications, 2017, 8, 15467.	12.8	87
5122	Dramatic enhancement of the detection limits of bioassays via ultrafast deposition of polydopamine. Nature Biomedical Engineering, 2017, 1 , .	22.5	93
5123	Chapter 2. Quantum Dots in the Analysis of Food Safety and Quality. Food Chemistry, Function and Analysis, 2017, , 17-60.	0.2	1
5124	<i>In vivo</i> near-infrared fluorescent optical imaging for CNS drug discovery. Expert Opinion on Drug Discovery, 2020, 15, 903-915.	5.0	24
5125	Silicon-based PbS-CQDs infrared photodetector with high sensitivity and fast response. Nanotechnology, 2020, 31, 485206.	2.6	17
5127	Nanoplatelets as material system between strong confinement and weak confinement. Physical Review Materials, 2017, 1 , .	2.4	25
5128	Enhanced emission, propagation, and spectral stability in CulnS2/ZnS core/shell quantum dot-doped optical fiber. Journal of Nanophotonics, 2019, 13, 1.	1.0	3
5129	Ultrasmall visible-to-near-infrared emitting silver-sulfide quantum dots for cancer detection and imaging. , 2018, , .		2
5130	Nonlinear spectroscopy in perovskite quantum dots. , 2018, , .		1
5131	Visualization of Single Membrane Protein Structure in Stretched Lipid Bilayer Suspended over Nanowells. Applied Physics Express, 2010, 3, 027002.	2.4	14
5132	<i>In Vitro</i> and <i>In Vivo</i> Assessment of CdTe and CdHgTe Toxicity and Clearance. Journal of Biomedical Nanotechnology, 2008, 4, 524-528.	1.1	34
5133	A CCD-Based Reader Combined Quantum Dots-Labeled Lateral Flow Strips for Ultrasensitive Quantitative Detection of Anti-HBs Antibody. Journal of Biomedical Nanotechnology, 2012, 8, 372-379.	1,1	30
5134	10 Quantum dots in PDT. Series in Cellular and Clinical Imaging, 2017, , 183-210.	0.2	1

#	Article	IF	CITATIONS
5135	Nanocomposite Materials., 0,,.		15
5136	From Nanoparticles to Nanocomposites. , 2011, , 1-20.		1
5138	A Laboratory Course in Nanoscience and Nanotechnology. , 0, , .		22
5139	Scintillating quantum dots. Imaging in Medical Diagnosis and Therapy, 2016, , 343-362.	0.0	3
5140	Mechanochemical Synthesis and Characterization of II-VI Nanocrystals: Challenge for Cytotoxicity Issues. Acta Physica Polonica A, 2012, 122, 224-229.	0.5	4
5141	Applications of Upconversion Nanoparticles in Molecular Imaging: A Review of Recent Advances and Future Opportunities. Biosciences, Biotechnology Research Asia, 2015, 12, 131-140.	0.5	9
5142	Dye-Doped Fluorescent Nanoparticles in Molecular Imaging: A Review of Recent Advances and Future Opportunities. Material Science Research India, 2014, 11, 102-113.	0.7	10
5143	Principles of Immunochemical Techniques Used in Clinical Laboratories. Laboratory Medicine, 2008, 37, 490-497.	1.2	1
5144	Emerging material systems for integrated optical Kerr frequency combs. Advances in Optics and Photonics, 2020, 12, 135.	25. 5	75
5145	Multiplex protein-specific microscopy with ultraviolet surface excitation. Biomedical Optics Express, 2020, 11, 99.	2.9	10
5146	Nanoscale 3D temperature gradient measurement based on fluorescence spectral characteristics of the CdTe quantum dot probe. Optics Express, 2019, 27, 6770.	3.4	5
5147	Fluorescent Nanocrystals Reveal Regulated Portals of Entry into and Between the Cells of Hydra. PLoS ONE, 2009, 4, e7698.	2.5	44
5148	Mitigation of Quantum Dot Cytotoxicity by Microencapsulation. PLoS ONE, 2011, 6, e22079.	2.5	35
5149	Modulating Pharmacokinetics, Tumor Uptake and Biodistribution by Engineered Nanoparticles. PLoS ONE, 2011, 6, e24374.	2.5	315
5150	Cellular Delivery of Quantum Dot-Bound Hybridization Probe for Detection of Intracellular Pre-MicroRNA Using Chitosan/Poly(\hat{l}^3 -Glutamic Acid) Complex as a Carrier. PLoS ONE, 2013, 8, e65540.	2.5	26
5151	Characterization of VCAM-1-Binding Peptide-Functionalized Quantum Dots for Molecular Imaging of Inflamed Endothelium. PLoS ONE, 2013, 8, e83805.	2.5	24
5152	Simultaneous Multi-Species Tracking in Live Cells with Quantum Dot Conjugates. PLoS ONE, 2014, 9, e97671.	2.5	26
5153	Microbial Uptake, Toxicity, and Fate of Biofabricated ZnS:Mn Nanocrystals. PLoS ONE, 2015, 10, e0124916.	2.5	9

#	Article	IF	CITATIONS
5154	Choice of Illumination System & Eluorophore for Multiplex Immunofluorescence on FFPE Tissue Sections. PLoS ONE, 2016, 11, e0162419.	2.5	9
5155	MXenes: focus on optical and electronic properties and corresponding applications. Nanophotonics, 2020, 9, 1601-1620.	6.0	82
5156	Ligand-induced chirality and optical activity in semiconductor nanocrystals: theory and applications. Nanophotonics, 2020, 10, 797-824.	6.0	42
5157	New generation of oxide-based nanoparticles for the applications in early cancer detection and diagnostics. Nanotechnology Reviews, 2020, 9, 274-302.	5.8	16
5158	Plastic scintillator enriched Gd-containing nanoparticles. Functional Materials, 2014, 21, 414-420.	0.1	2
5159	Nanophysics and Antiviral Therapy. Ukrainian Journal of Physics, 2013, 58, 77-90.	0.2	18
5160	Recent Developments of Luminescent Materials. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2016, 31, 1009.	1.3	3
5162	Stable H3 peptide was delivered by gold nanorods to inhibit LSD1 activation and induce human mesenchymal stem cells differentiation. Oncotarget, 2017, 8, 23110-23119.	1.8	11
5163	Optical imaging probes in oncology. Oncotarget, 2016, 7, 48753-48787.	1.8	46
5164	Chitosan in the Light of Nanobiotechnology: A Mini Review. Journal of Biomedical Technology and Research, 2015, 02, .	0.2	4
5165	<p>The NLRP3-Mediated Neuroinflammatory Responses to CdTe Quantum Dots and the Protection of ZnS Shell</p> . International Journal of Nanomedicine, 2020, Volume 15, 3217-3233.	6.7	18
5166	Potential clinical applications of quantum dots. International Journal of Nanomedicine, 2008, 3, 151.	6.7	152
5167	Opportunities and Challenges of Fluorescent Carbon Dots in Translational Optical Imaging. Current Pharmaceutical Design, 2015, 21, 5401-5416.	1.9	61
5168	Silicon Quantum Dots: Promising Theranostic Probes for the Future. Current Drug Targets, 2019, 20, 1255-1263.	2.1	29
5169	Biomedical Applications of Zinc Oxide Nanomaterials. Current Molecular Medicine, 2013, 13, 1633-1645.	1.3	495
5170	Nanomedicine and Early Cancer Diagnosis: Molecular Imaging using Fluorescence Nanoparticles. Current Topics in Medicinal Chemistry, 2020, 20, 2737-2761.	2.1	12
5171	An Overview on the Different Approaches to Obtain Luminescent Hydrotalcite Nanoparticles and Films. Current Physical Chemistry, 2016, 5, 173-184.	0.2	2
5172	New fluorescent polymeric nanocomposites synthesized by antimony dodecyl-mercaptide thermolysis in polymer. EXPRESS Polymer Letters, 2009, 3, 219-225.	2.1	10

#	Article	IF	CITATIONS
5173	Atomically precise clusters of gold and silver: A new class of nonlinear optical nanomaterials. , 0, 1, 1001 .		10
5175	Preparation and Characterization of Polymer-CdSe/ZnS QDs Composite Thin Film. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 700-704.	1.3	4
5176	Nanomaterial-based fluorescent biosensor for veterinary drug detection in foods. Journal of Food and Drug Analysis, 2020, 28, 576-595.	1.9	17
5177	The interactions between CdTe quantum dots and proteins: understanding nano-bio interface. AIMS Materials Science, 2017, 4, 209-222.	1.4	14
5178	Analytical Applications of Nanomaterials in Monitoring Biological and Chemical Contaminants in Food. Journal of Microbiology and Biotechnology, 2016, 26, 1505-1516.	2.1	27
5179	Multivalent display of oligosaccharides on nanoparticles accelerates their nuclear import. Trends in Glycoscience and Glycotechnology, 2009, 21, 335-344.	0.1	2
5180	Application of Functionalized Metalloglycoclusters. Trends in Glycoscience and Glycotechnology, 2011, 23, 284-291.	0.1	3
5181	Nanotechnology: A boon in oral cancer diagnosis and therapeutics. SRM Journal of Research in Dental Sciences, 2013, 4, 154.	0.2	14
5182	Surface Treatment Method for Long-term Stability of CdSe/ZnS Quantum Dots. Journal of Korean Powder Metallurgy Institute, 2017, 24, 1-5.	0.3	3
5183	Quantum Dots Conjugated with Transferrin for Brain Tumor Cell Imaging. Journal of Cell Science & Therapy, 2013, 04, .	0.3	7
5184	Novel Upconversion Fluorescent Probe for Schistosoma japonicum Cercariae Imaging., 2015, 5, .		1
5185	Controlling Quantum Confinement and Magnetic Doping of Cesium Lead Halide Perovskite Nanocrystals. Journal of the Korean Ceramic Society, 2018, 55, 515-526.	2.3	6
5186	Preparation and Characterization of Various Surface-modified Semiconductor Nanocrystals. Bulletin of the Korean Chemical Society, 2009, 30, 3137-3140.	1.9	2
5187	Detection of BER Enzymes Based on Fluorescence Resonance Energy Transfer. Bulletin of the Korean Chemical Society, 2009, 30, 2149-2151.	1.9	9
5188	Effects of Curing Temperature on the Optical and Charge Trap Properties of InP Quantum Dot Thin Films. Bulletin of the Korean Chemical Society, 2011, 32, 263-272.	1.9	8
5189	Cellular Uptake Properties of the Complex Derived from Quantum Dots and G8 Molecular Transporter. Bulletin of the Korean Chemical Society, 2011, 32, 1282-1292.	1.9	9
5190	Colorimetric Determination of pH Values using Silver Nanoparticles Conjugated with Cytochrome c. Bulletin of the Korean Chemical Society, 2011, 32, 3433-3436.	1.9	5
5191	Advances of Nanotechnology Applied to Biosensors. Nano Biomedicine and Engineering, 2011, 3, .	0.9	8

#	Article	IF	CITATIONS
5192	Interaction of Colloidal Gold Nanoparticles with Protein. Nano Biomedicine and Engineering, 2017, 9, .	0.9	2
5193	UV Illumination Room-Temperature ZnO Nanoparticle Ethanol Gas Sensors. ISRN Nanotechnology, 2012, 2012, 1-5.	1.3	18
5194	Surface modified multifunctional nanomedicines for simultaneous imaging and therapy of cancer. BioImpacts, 2014, 4, 3-14.	1.5	55
5195	Interband Transition and Confinement of Charge Carriers in CdS and CdS/CdSe Quantum Dots. Applied Science and Convergence Technology, 2015, 24, 167-171.	0.9	2
5196	Laser-Based Lithography for Polymeric Nanocomposite Structures. , 0, , .		2
5197	Commercial Nanoparticles for Stem Cell Labeling and Tracking. Theranostics, 2013, 3, 544-560.	10.0	103
5198	Quantum dots for cancer research: current status, remaining issues, and future perspectives. Cancer Biology and Medicine, 2012, 9, 151-63.	3.0	104
5199	Synthesis of Ag ₂ S Based Quantum Dots with Near-infrared-II Fluorescence Emission in Water. Acta Chimica Sinica, 2021, 79, 1281.	1.4	4
5200	Prospect of Stem Cell Therapy and Nanotechnology. , 2021, , 1-28.		2
5201	Quantum dot clusters as self-assembled antennae with phycocyanine and phycobilisomes as energy acceptors. Physical Chemistry Chemical Physics, 2021, 23, 24505-24517.	2.8	3
5202	INCREASING THE PHOTOLUMINESCENCE EFFICIENCY OF CdS NC GROWN IN A GELATINOUS ENVIRONMENT. Sensor Electronics and Microsystem Technologies, 2021, 18, 10-19.	0.2	0
5203	Supramolecular Assemblies with Aggregationâ€Induced Emission Properties for Sensing and Detection. Chemistry - A European Journal, 2022, 28, .	3.3	25
5204	Cd+2-sensing property of highly luminescent CdTe nanocrystals in the presence of Na2S2O3. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	0
5205	Binding of Waterâ€Soluble CdSe Quantum Dots with Human Serum Albumin: Further Studies into their Effects on Dietary Polyphenol Binding and Sensing of Antibiotic Lomefloxacin. ChemistrySelect, 2021, 6, 11144-11156.	1.5	3
5206	Research implementing different dopants (M = Al, Sn, and Eu) on the properties of Schottky diodes with structure TCO/CdS/C and TCO/CdS:M/C. Journal of Alloys and Compounds, 2022, 894, 162369.	5.5	4
5207	Photocharging of Colloidal CdS Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 22650-22659.	3.1	13
5208	Immunotargeting of Nanocrystals by SpyCatcher Conjugation of Engineered Antibodies. ACS Nano, 2021, 15, 18374-18384.	14.6	18
5209	Detection of Pesticide Residues Based on a Porous Silicon Optical Biosensor With a Quantum Dot Fluorescence Label. IEEE Sensors Journal, 2021, 21, 21441-21449.	4.7	3

#	Article	IF	CITATIONS
5210	Nanotechnology: Towards the detection and treatment of inflammatory diseases., 2006,, 155-176.		1
5211	Two-Photon Excitation of Quantum Dot Based Nonradiative Energy Transfer. , 2006, , .		О
5213	Silicon Nanoparticles for Biophotonics., 2007,,.		0
5217	The Emergence of "Magnetic and Fluorescent―Multimodal Nanoparticles as Contrast Agents in Bioimaging. , 2008, , 353-392.		1
5218	Hybrid Nanoparticles for Cellular Applications. Nanostructure Science and Technology, 2009, , 304-330.	0.1	0
5219	Nanoscale Processes, Modeling Coupled and Transport Phenomena in Nanotechnology. , 2009, , 5912-5925.		0
5220	Quantum-dot-based technology for sensitive and stable detection of prostate stem cell antigen expression in human transitional cell carcinoma. International Journal of Biological Markers, 2009, 24, 271-276.	1.8	1
5221	Biosensors for the Genomic Age. , 2009, , 590-598.		O
5222	Quantum Dots Biodistribution in Tissue Organs of Healthy Male and Female Mice. Journal of Pharmacology and Toxicology, 2009, 4, 229-235.	0.2	0
5223	Surface-Enhanced Raman Scattering of Semiconducting Quantum Dots on Nanostructured Plasmonic Surfaces. , 2010, , .		0
5224	Synthesis and Surface Modification of Fluorescent Semiconductor Nanoparticles, and Their Use for Biomedical Applications. Journal of the Society of Powder Technology, Japan, 2010, 47, 646-655.	0.1	0
5226	Advances of Nanotechnology in the Stem Cells Research and Development. Nano Biomedicine and Engineering, 2010, 2, .	0.9	2
5227	Potential and Limitations of Luminescent Quantum Dots inÂBiology. , 2010, , 369-396.		1
5229	Site-Specific Labeling of Proteins in Living Cells Using Synthetic Fluorescent Dyes. , 2011, , 111-130.		0
5230	Microfluidic Applications in Vascular Bioengineering. Advances in Bioinformatics and Biomedical Engineering Book Series, 2011, , 1-30.	0.4	0
5233	From Nanoparticles to Nanocomposites: A Brief Overview. , 2011, , 23-42.		0
5234	Nanoparticle Contrast Agents for Cardiovascular Medical Imaging. , 2011, , 3-24.		1
5236	Synthesis and Spectral Characteristics of Gold Nanoparticles Labelled with Fluorescein Sodium. Current Nanoscience, 2011, 7, 1028-1033.	1.2	1

#	Article	IF	CITATIONS
5238	Cell Internalizing Anti-mortalin Antibody as a Nanocarrier. , 2012, , 323-335.		0
5239	Formation of Quantum Dot Fluorescent Monolayer Film using Peptide Bond. Transactions of the Society of Information Storage Systems, 2012, 8, 1-5.	0.0	O
5240	Rare Earth Nanomaterials in Magnetic Resonance Imaging. , 2012, , 107-160.		1
5241	Electrochemical Construction and Optical Properties of Ordered Micro/ Nano-Structured Arrays Based on Colloidal Monolayer., 2012,, 305-353.		0
5242	Advanced Optical Imaging of Endocytosis. , 0, , .		0
5243	ll–VI Semiconductor Nanostructures. , 2012, , 167-235.		0
5244	Biomedicine Applications of Nanomaterials. , 2012, , 565-592.		0
5245	Probing Photoluminescence Dynamics in Colloidal Semiconductor Nanocrystal/Fullerene Heterodimers with Single Molecule Spectroscopy. , 2013, , 561-590.		0
5246	Near-field Probing of Plasmonic Nanostructures with a Single Quantum Dot., 2013,,.		0
5247	Bioactive Inorganic and Organic Composite Materials for Bone Regeneration and Gene Delivery. , 2013, , 177-212.		0
5248	Graphene and Quantum Dot Nanocomposites for Photovoltaic Devices. Lecture Notes in Nanoscale Science and Technology, 2014, , 269-294.	0.8	0
5249	Imaging Platforms and Drug Development: An Introduction. AAPS Advances in the Pharmaceutical Sciences Series, 2014, , 1-43.	0.6	0
5250	Semiquantitative Fluorescence Method for Bioconjugation Analysis. Methods in Molecular Biology, 2014, 1199, 103-110.	0.9	0
5252	Analysis of Quantum Dots and Their Conjugates by Capillary Electrophoresis with Detection of Laser-Induced Luminescence. Methods in Molecular Biology, 2014, 1199, 33-54.	0.9	0
5253	Aptamer-Functionalized Nanomaterials for Biological and Biomedical Applications. , 2014, , 1159-1175.		0
5254	Properties of DNA-Capped Nanoparticles. , 2014, , 1227-1262.		0
5255	Dual-Modality Preclinical PET-OI Concepts and Instrumentation. , 2014, , 447-465.		1
5256	Fabrication of Silicon Carbide Quantum Dots via Chemical-Etching Approach and Fluorescent Imaging for Living Cells. Materials Sciences and Applications, 2014, 05, 177-182.	0.4	0

#	Article	IF	CITATIONS
5257	Recent Advances in Nanotechnology: Potential Prospects in Neuromedicine and Neurosurgery. Nanoscience & Technology Open Access, 2014, 1 , .	0.3	0
5258	Influence of interfacial electron transfer on fluorescence blinking of quantum dots. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 167302.	0.5	2
5259	Luminescent Quantum Dots for Diagnostic and Bioimaging Applications. , 2014, , 535-554.		0
5261	EFFECT OF OXYGEN ON SIZE-CONTROLLED SYNTHESIS OF CdSe QDs. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.8	1
5262	Light Emitting Diodes. Topics in Applied Physics, 2015, , 179-234.	0.8	1
5263	Upconversion Nanoparticles for Biosensing. Nanostructure Science and Technology, 2015, , 255-284.	0.1	2
5264	DNA Origami as Programmable Nanofabrication Tools. , 2015, , 1-22.		0
5265	Using Cell-Specific Aptamer-Nanomaterial Conjugates for Cancer Cell Detection. , 2015, , 215-237.		0
5266	Optical Properties of Quantum Dot Nano-composite Materials Studied by Solid-State Theory Calculations., 2015, , 1-37.		0
5268	Ground state properties and excitation properties of ZnSe under different external electric fields. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 043101.	0.5	7
5269	DNA Origami as Programmable Nanofabrication Tools. , 2016, , 827-847.		0
5271	Protein Ligands Engineering. Springer Theses, 2016, , 27-45.	0.1	0
5272	Fluorescent Nanohybrids: Cancer Diagnosis and Therapy., 0,, 3420-3444.		0
5273	Miniaturized Fluidic Devices and Their Biophotonic Applications. , 2016, , 1-47.		2
5274	Immunotherapy and Vaccines. , 2016, , 441-464.		0
5275	Semiconducting Polymer Dot Bioconjugates. , 0, , 1-10.		0
5277	Carbon Quantum Dots as Potential Drug Carriers. Engineering and Protection of Environment, 2016, 19, 277-288.	0.3	0
5278	Förster Resonant Energy Transfer in CdTe Nanocrystal Quantum Dot Structures. , 2016, , 99-132.		0

#	Article	IF	CITATIONS
5279	Photoluminescence Quenching and Recovery of the CdSe Nanocrystals by Metal Ions. Journal of the Korean Chemical Society, 2016, 60, 131-136.	0.2	0
5280	Emission of CdTe Nanocrystals Coupled to Microcavities. , 2016, , 133-184.		0
5281	Nano-Optical Sensors for the Detection of Bioterrorist Threats. , 2016, , 475-496.		0
5282	Hyperspectral Microscopy and Cellular Array Imaging Using Colloidal Quantum Dots. , 2017, , 445-460.		0
5283	Catalytic Application of Magnetic Nanocomposites. Advances in Materials Science and Engineering, 2017, , 627-663.	0.4	0
5284	Miniaturized Fluidic Devices and Their Biophotonic Applications. , 2017, , 893-939.		0
5285	Screening and Detection of Gastric Cancer Circulating MicroRNA Biomarkers. Translational Medicine Research, 2017, , 37-64.	0.0	0
5286	Biological Materials. Nanostructure Science and Technology, 2017, , 523-542.	0.1	0
5287	12 Protocols for Key Steps in the Development of an Immunoassay. , 2017, , 361-424.		0
5288	DNA scaffold nanostructures for efficient and directional propagation of light harvesting cascades., 2017,,.		0
5289	Fluorescent Nanohybrids: Cancer Diagnosis and Therapy. , 2017, , 560-584.		0
5290	Chapter 32: The Present and Future of Nanotechnology in Human Health Care., 2017,, 775-806.		0
5291	Semiconducting Polymer Dot Bioconjugates. , 2017, , 1382-1392.		0
5292	Accumulation of Cd in the Early Stages of the Development of Rainbow Trout Oncorhynchus mykiss Exposed to Cd-Based Quantum Dots and Cd Salt., 0, , .		0
5293	Silicon Nanoparticles for Biophotonics. , 2017, , 307-334.		0
5296	Potential and Limitations of Luminescent Quantum Dots in Biology. , 2017, , 369-396.		0
5297	V-Trench Biosensor: Microfluidic Plasmonic Biosensing Platform. International Journal of Automation Technology, 2018, 12, 73-78.	1.0	1
5298	Molecularly Imprinted Polymer-based Optical Chemosensors for Selective Chemical Determinations. RSC Polymer Chemistry Series, 2018, , 227-281.	0.2	2

#	Article	IF	CITATIONS
5299	Possibilities of Nanotechnologies for Unmanned Autonomous Vehicles. Lecture Notes in Computer Science, 2018, , 422-433.	1.3	0
5300	CHAPTER 3. Applications of Magnetic Nanoparticles in Multi-modal Imaging. RSC Drug Discovery Series, 2018, , 53-85.	0.3	2
5301	Pushing indium phosphide quantum dot emission deeper into the near infrared., 2018,,.		0
5302	Characterization of the ligand structure and stoichiometry on quantum dots and gold nanocrystals using NMR spectroscopy. , $2018, , .$		0
5303	Preparation of low-toxic Zn-Ag-In-Te quantum dots with tunable near-IR emission toward optical applications. , $2018, , .$		0
5304	Simple two-step covalent protein conjugation to PEG-coated nanocrystals. Ukrainian Biochemical Journal, 2018, 90, 8-12.	0.5	0
5305	Nonlinear properties of CdSe/ZnS quantum dots colloidal solutions under one- and two-photon excitation by means of high-power ultrashort laser pulses. , 2018 , , .		0
5306	Effect of pump parameters on the emission of PbSe quantum dot-doped optical fiber considering Auger recombination. Journal of Nanophotonics, 2018, 12, 1.	1.0	2
5308	Enhanced and broadened fluorescence of ZnSe quantum dots enabled by the fluorescence energy transfer system of ZnSe quantum dots and gold nanoparticles. Applied Optics, 2018, 57, 8437.	1.8	2
5309	Antibody-based Sensors for the Detection of Pathogens of Potato and Barley. Food Chemistry, Function and Analysis, 2019, , 282-307.	0.2	0
5310	Progresses on Polymer Nanocomposites: Drug Delivery Systems and Sensitive Detections., 2019,, 1-21.		0
5311	QD-FRET-based biosensing of small molecule analytes using transcription factor-DNA binding. , 2019, , .		0
5312	An Overview of the Role of Nanoparticles in Handling the Breast Cancer. Avicenna Journal of Medical Biochemistry, 2019, 7, 1-3.	0.3	0
5313	Luminescence properties of lanthanide upconversion nanoparticles for biomedicine., 2019,,.		0
5314	Comparison between ligand exchange methods for the quantum dots hydrophilization., 2019,,.		0
5315	Enzyme Immobilization on Metal-Organic Framework (MOF): Effects on Thermostability and Function. Protein and Peptide Letters, 2019, 26, 636-647.	0.9	5
5316	Adding Function to Protein Scaffolds. Methods in Molecular Biology, 2020, 2073, 119-147.	0.9	1
5317	Three-dimensional macro-scale micro-structure imaging with deep ultraviolet excitation. , 2019, , .		0

#	Article	IF	CITATIONS
5318	Recent Progress of Gold Nanomaterials in Cancer Therapy. , 2020, , 1-30.		2
5319	Preparation and Analysis of Quantum Dots: Applications of Capillary Electrophoresis. Methods in Molecular Biology, 2020, 2135, 55-83.	0.9	O
5320	Calculating the band structure of an array of spherical quantum dots. , 2020, , .		0
5321	Optical Tweezers in Biotechnology. , 0, , .		O
5322	Near-infrared PbS quantum dots functionalized with affibodies and ZnPP for targeted imaging and therapeutic applications. Nano Express, 2021, 2, 040005.	2.4	3
5323	Controllable Engineering and Functionalizing of Nanoparticles for Targeting Specific Proteins towards Biomedical Applications. Advanced Science, 2021, 8, e2101713.	11.2	32
5324	Gram scale synthesis of QD450 core–shell quantum dots for cellular imaging and sorting. Applied Nanoscience (Switzerland), 2020, 10, 1257-1268.	3.1	8
5325	Bionanotechnology in Medicine. , 2020, , 129-148.		1
5326	Electroceuticals for neural regenerative nanomedicine. , 2020, , 213-257.		2
5327	Dextran-Functionalized Quantum Dot Immunoconjugates for Cellular Imaging. Methods in Molecular Biology, 2020, 2135, 143-168.	0.9	3
5328	Nanoformulations in Human Health Conditions: The Paradigm Shift. , 2020, , 13-42.		0
5329	Rethinking resolution estimation in fluorescence microscopy: from theoretical resolution criteria to super-resolution microscopy. Science China Life Sciences, 2020, 63, 1776-1785.	4.9	7
5330	Fluorescent Cadmium Chalcogenide Nanoclusters in Ubiquitin. Small Structures, 2021, 2, 2000127.	12.0	1
5331	YVO4:Yb,Er Upconversion Nanoparticles for Biovisualization: A Biocompatible Probe in Grape Snails. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1439-1443.	0.6	2
5333	Near-infrared probes for luminescence lifetime imaging. Nanotheranostics, 2022, 6, 91-102.	5 . 2	10
5334	Seeing is Believing: Quantum Dot Visualization Provides New Insights into Indoleamine Signalling Networks. Signaling and Communication in Plants, 2020, , 1-14.	0.7	O
5335	Current Status of Nanosensors in Biological Sciences. , 2020, , 15-41.		0
5337	Multiplexed Detection of Cancer Serum Antigens with a Quantum Dot-Based Lab-on-Bead System. Methods in Molecular Biology, 2020, 2135, 225-236.	0.9	1

#	Article	IF	CITATIONS
5338	Fluorescent Inorganic Particles in Nanoscale World., 2020, , 267-306.		0
5339	Semiconductor Quantum Dots for Cell Imaging. , 2020, , 17-48.		0
5340	Dendronised Polymers as Templates for In Situ Quantum Dot Synthesis. Australian Journal of Chemistry, 2020, 73, 658.	0.9	0
5341	Multifunctional Mesoporous Silica Nanoparticles for Biomedical Applications. , 2020, , 213-235.		0
5342	Medical Diagnostics Based on Electrochemical Biosensor. , 2020, , 167-194.		0
5343	Phase Transfer and DNA Functionalization of Quantum Dots Using an Easy-to-Prepare, Low-Cost Zwitterionic Polymer. Methods in Molecular Biology, 2020, 2135, 125-139.	0.9	1
5344	Smart Luminescent Nanocomposites. , 2020, , 401-438.		0
5345	Antimicrobial Properties of Nanoparticles (NPS). International Journal of Chemical and Environmental Sciences, 2020, 1, 46-53.	0.2	0
5346	CdSe Quantum Dots Induce Cellular Differentiation in HL-60 Cells. Nanoscience and Nanotechnology - Asia, 2020, 10, 175-183.	0.7	0
5347	Análise bibliométrica sobre a pirólise de resÃduos da bananicultura. Research, Society and Development, 2020, 9, e75942455.	0.1	1
5348	Metallic Nanoparticles: Applications in Drug Delivery. , 2021, , 125-150.		0
5350	Quantum dot phthalocyanine non-covalent assemblies – A review. Dyes and Pigments, 2022, 198, 109931.	3.7	5
5351	Controlling opto-electronic characteristics of ternary II–VI alloyed quantum dots: alcohol processing assay. Materials Research Express, 2020, 7, 075008.	1.6	2
5352	Synthesis of Some Bioactive Nanomaterials and Applications of Various Nanoconjugates for Targeted Therapeutic Applications. Environmental Chemistry for A Sustainable World, 2021, , 347-376.	0.5	0
5353	Bimodal Liposomes and Paramagnetic QD-Micelles for Multimodality Molecular Imaging of Tumor Angiogenesis., 2008,, 487-512.		0
5354	Light as a Tool for Biologists: Recent Developments. , 2008, , 93-122.		0
5355	Design and Properties of Fluorescence Reporters. , 2009, , 119-196.		1
5356	Fluorescence spectroscopy of single CdSe nanocrystals. , 2008, , 311-347.		1

#	Article	IF	CITATIONS
5357	Semiconductor nanocrystal-polymer composites: using polymers for nanocrystal processing. , 2008, , 171-196.		2
5358	Molecular Imaging. , 2008, , 1381-1410.		3
5359	Site-Specific Labeling of Proteins in Living Cells Using Synthetic Fluorescent Dyes., 2011,, 111-130.		0
5360	Accurate Model for Fluorescence Resonance Energy Transfer between Gold Nanoparticles and Cy3 Orange Beads. Applied Science and Convergence Technology, 2020, 29, 113-116.	0.9	0
5362	MoS ₂ /pentacene hybrid complementary inverter based photodetector with amplified voltage–output. Nanotechnology, 2021, 32, 015203.	2.6	5
5366	Plasmon-Enhanced Vibrational Spectroscopy of Semiconductors Nanocrystals. Optoelectronics, Instrumentation and Data Processing, 2020, 56, 503-509.	0.6	1
5367	CdSe/ZnS quantum dots exhibited nephrotoxicity through mediating oxidative damage and inflammatory response. Aging, 2021, 13, 12194-12206.	3.1	4
5369	Lead sulfide near-infrared quantum dot bioconjugates for targeted molecular imaging. International Journal of Nanomedicine, 2007, 2, 235-40.	6.7	20
5371	Overview of the main methods used to combine proteins with nanosystems: absorption, bioconjugation, and encapsulation. International Journal of Nanomedicine, 2010, 5, 37-49.	6.7	65
5372	Quantum dots for molecular diagnostics of tumors. Acta Naturae, 2011, 3, 29-47.	1.7	9
5373	Nanoplatforms for magnetic resonance imaging of cancer. Polish Journal of Radiology, 2011, 76, 28-36.	0.9	0
5374	Synthesis and characterization of intrinsically radiolabeled quantum dots for bimodal detection. American Journal of Nuclear Medicine and Molecular Imaging, 2012, 2, 122-35.	1.0	24
5375	Inorganic nanoparticles for multimodal molecular imaging. Molecular Imaging, 2011, 10, 3-16.	1.4	31
5379	Carbohydrate-conjugated fluorescent silica nanoprobes for selective detection of galectin-1 and prostate cancer cells. Science Letters Journal, 2015, 4, .	0.0	1
5381	Photoluminescent Nanomaterials for Medical Biotechnology. Acta Naturae, 2021, 13, 16-31.	1.7	1
5382	Selectivity-enhanced sorbents. , 2021, , 229-252.		1
5383	Novel and facile synthesis of heparin sulfur quantum dots via oxygen acceleration for ratiometric sensing of uric acid in human serum. Sensors and Actuators B: Chemical, 2022, 353, 131146.	7.8	26
5384	Photoluminescent Nanomaterials for Medical Biotechnology. Acta Naturae, 2021, 13, 16-31.	1.7	3

#	Article	IF	CITATIONS
5385	Nearâ€Infraredâ€II Quantum Dots for In Vivo Imaging and Cancer Therapy. Small, 2022, 18, e2104567.	10.0	44
5386	Biosynthesis of quantum dots and their usage in solar cells: insight from the novel researches. International Nano Letters, 2022, 12, 139-151.	5.0	5
5387	Interface polarization in heterovalent core–shell nanocrystals. Nature Materials, 2022, 21, 246-252.	27 . 5	52
5388	Selective Hydrothermal Synthesis of Water-Soluble CdTe and CdTe/CdS Colloidal Quantum Dots by Controlling the Te/Cd Molar Ratio of the Precursor Solution. Bulletin of the Chemical Society of Japan, 2021, 94, 2880-2885.	3.2	1
5389	Toward Bright Mid-Infrared Emitters: Thick-Shell n-Type HgSe/CdS Nanocrystals. Journal of the American Chemical Society, 2021, 143, 19567-19575.	13.7	15
5390	Electrically Pumped QD Light Emission from LEDs to Lasers. Information Display, 2021, 37, 6-17.	0.2	2
5391	Engineering DNA on the Surface of Upconversion Nanoparticles for Bioanalysis and Therapeutics. ACS Nano, 2021, 15, 17257-17274.	14.6	39
5392	Aqueous synthesis of mercaptopropionic acid capped ZnSe QDs and investigation of photoluminescence properties with metal doping. Journal of the Indian Chemical Society, 2021, 98, 100254.	2.8	5
5393	Waterâ€Dispersible Gold Nanoclusters: Synthesis Strategies, Optical Properties, and Biological Applications. Chemistry - A European Journal, 2022, 28, e202103736.	3.3	10
5394	Mechanism for the Pumping-Dependent Red Shift in the Amplified Spontaneous Emission Spectra of Colloidal Quantum Dots. Journal of Physical Chemistry C, 2021, 125, 27298-27304.	3.1	1
5395	Ligand Chemistry. RSC Nanoscience and Nanotechnology, 2014, , 166-223.	0.2	0
5396	All-solid-state SARS-CoV-2 protein biosensor employing colloidal quantum dots-modified electrode. Biosensors and Bioelectronics, 2022, 202, 113974.	10.1	29
5397	Photonic crystal barcodes assembled from dendritic silica nanoparticles for the multiplex immunoassays of ovarian cancer biomarkers. Analytical Methods, 2022, 14, 298-305.	2.7	6
5398	Visible-light excited polar Dion-Jacobson Rb(Bi1-xEux)2Ti2NbO10 perovskite: Photoluminescence properties and in-vitro bioimaging. Journal of Materials Chemistry B, 2022, , .	5.8	16
5399	In Vitro and In Vivo Fluorescence Imaging of Antibody–Drug Conjugate-Induced Tumor Apoptosis Using Annexin V–EGFP Conjugated Quantum Dots. ACS Omega, 2022, 7, 2105-2113.	3.5	6
5400	Photosensitive Ti3C2 for dyes degradation. Results in Materials, 2022, 13, 100247.	1.8	2
5401	Quantum Dots: Synthesis, Antibody Conjugation, and HER2-Receptor Targeting for Breast Cancer Therapy. Journal of Functional Biomaterials, 2021, 12, 75.	4.4	35
5402	Biogenic Sulfur-Based Chalcogenide Nanocrystals: Methods of Fabrication, Mechanistic Aspects, and Bio-Applications. Molecules, 2022, 27, 458.	3.8	7

#	Article	IF	CITATIONS
5403	A Review on Solution-Processed Organic Phototransistors and Their Recent Developments. Electronics (Switzerland), 2022, 11, 316.	3.1	24
5404	Multifunctional Iron Oxide Magnetic Nanoparticles for Biomedical Applications: A Review. Materials, 2022, 15, 503.	2.9	63
5405	Oxo-M and 4-PPBP Delivery via Multi-Domain Peptide Hydrogel Toward Tendon Regeneration. Frontiers in Bioengineering and Biotechnology, 2022, 10, 773004.	4.1	0
5406	Past, present and future of indium phosphide quantum dots. Nano Research, 2022, 15, 4468-4489.	10.4	50
5407	Nanoparticles-based sensors for agricultural application. , 2022, , 117-146.		1
5408	Dual signal light detection of beta-lactoglobulin based on a porous silicon bragg mirror. Biosensors and Bioelectronics, 2022, 204, 114035.	10.1	3
5409	Ultrafast Shaped Laser Induced Synthesis of MXene Quantum Dots/Graphene for Transparent Supercapacitors. Advanced Materials, 2022, 34, e2110013.	21.0	75
5410	Expanding the toolbox of photon upconversion for emerging frontier applications. Materials Horizons, 2022, 9, 1167-1195.	12.2	17
5411	Lipid Droplets in Cancer: From Composition and Role to Imaging and Therapeutics. Molecules, 2022, 27, 991.	3.8	27
5412	A hybrid hydrogel system composed of CdTe quantum dots and photonic crystals for optical anti-counterfeiting and information encoding–decoding. Journal of Materials Chemistry C, 2022, 10, 3959-3970.	5.5	21
5413	A Combinational Approach for More Efficient miRNA Biosensing. Current Genomics, 2022, 23, 5-25.	1.6	1
5414	Nano-enabled sensing of per-/poly-fluoroalkyl substances (PFAS) from aqueous systems – A review. Journal of Environmental Management, 2022, 308, 114655.	7.8	20
5415	Colloidal Inorganic Ligand-Capped Nanocrystals: Fundamentals, Status, and Insights into Advanced Functional Nanodevices. Chemical Reviews, 2022, 122, 4091-4162.	47.7	52
5417	Optical Tweezers Assisted Analyzing and Sorting of Tumor Cells Tagged with Fluorescence Nanospheres in a Microfluidic Chip. SSRN Electronic Journal, 0, , .	0.4	0
5418	Intracellular reactive oxygen species trigger mitochondrial dysfunction and apoptosis in cadmium telluride quantum dots-induced liver damage. NanoImpact, 2022, 25, 100392.	4.5	12
5419	Nanodiscs: a versatile nanocarrier platform for cancer diagnosis and treatment. Chemical Society Reviews, 2022, 51, 1702-1728.	38.1	53
5420	Recent advances in the development and applications of conjugated polymer dots. Journal of Materials Chemistry B, 2022, 10, 2995-3015.	5.8	15
5421	Sensing Material and Design of an Optical Sensor for Detection of Arsenic-A Review. IEEE Sensors Journal, 2022, 22, 7442-7450.	4.7	2

#	ARTICLE	IF	CITATIONS
5422	Nanoparticles in dentistry., 2022,, 335-358.		0
5423	Engineering novel surface electronic states via complex supramolecular tessellations. Nanoscale, 2022, , .	5.6	4
5425	The mechanism of ligand-induced chiral transmission through a top-down selective domain etching process. Materials Chemistry Frontiers, 2022, 6, 1194-1208.	5.9	2
5426	Overview of the application of inorganic nanomaterials in breast cancer diagnosis. Inorganic and Nano-Metal Chemistry, 0 , , 1 -19.	1.6	2
5427	Advances in quantum dots as diagnostic tools. Advances in Clinical Chemistry, 2022, 107, 1-40.	3.7	8
5428	Functionalized Nanostructured Bioactive Carriers: Nanoliposomes, Quantum Dots, Tocosome, and Theranostic Approach. Current Drug Delivery, 2022, 19, 1001-1011.	1.6	3
5429	Depletion of carbon dots in stimulated emission depletion microscopy developed with 405/532 nm continuous-wave lasers. Journal of Modern Optics, 2022, 69, 427-435.	1.3	0
5430	Synthesis, Characterization, Properties, and Novel Applications of Fluorescent Nanodiamonds. Journal of Fluorescence, 2022, 32, 863-885.	2.5	12
5432	A Dual-Recognition Strategy for Staphylococcus aureus Detection Using Teicoplanin-Modified Magnetic Nanoparticles and IgG-Functionalized Quantum Dots. Food Analytical Methods, 2022, 15, 1968-1978.	2.6	5
5433	Plasmonic Fluorescence Enhancement in Diagnostics for Clinical Tests at Pointâ€of are: A Review of Recent Technologies. Advanced Materials, 2023, 35, e2107986.	21.0	40
5434	Dynamic Tuning of the Bandgap of CdSe Quantum Dots through Redox-Active Exciton-Delocalizing N-Heterocyclic Carbene Ligands. Journal of the American Chemical Society, 2022, 144, 4300-4304.	13.7	6
5436	Dual-Signal-Encoded Barcodes with Low Background Signal for High-Sensitivity Analysis of Multiple Tumor Markers. Chemosensors, 2022, 10, 142.	3.6	1
5437	Amine as a bottom-line functionality on DDS surface for efficient endosomal escape and further subcellular targets. Journal of Drug Delivery Science and Technology, 2022, 71, 103303.	3.0	4
5438	Perovskite CsPbBr3 decorating PbS nanocrystals for efficient near-infrared light-emitting diodes: A first-principles study. Computational Materials Science, 2022, 209, 111361.	3.0	6
5439	Recent progress of fluorescent materials for fingermarks detection in forensic science and anti-counterfeiting. Coordination Chemistry Reviews, 2022, 462, 214523.	18.8	85
5440	Laser-assisted fabrication of silver quantum dots/polyaspartate polymer composite for antimicrobial applications. Optics and Laser Technology, 2022, 152, 108122.	4.6	12
5441	Functionalized nanographene oxide/PEG/rhodamine B/gold nanocomposite for electrochemical determination of glucose. Journal of Materials Science and Technology, 2022, 122, 141-147.	10.7	13
5442	Quantum dots-labeled polymeric scaffolds for in vivo tracking of degradation and tissue formation. Bioactive Materials, 2022, 16, 285-292.	15.6	3

#	Article	IF	CITATIONS
5443	Cytotoxicity Study of Cadmium-Selenium Quantum Dots (Cdse QDs) for Destroying the Human HepG2 Liver Cancer Cell. Journal of Biomedical Nanotechnology, 2021, 17, 2153-2164.	1.1	10
5444	Functionalized Nanomaterials as Tailored Theranostic Agents in Brain Imaging. Nanomaterials, 2022, 12, 18.	4.1	18
5445	NANO-BASED THERAPY FOR TREATMENT OF SKIN CARCINOMA. Indian Drugs, 2021, 58, 7-17.	0.1	2
5446	Theranostics: Principles, Materials, and Technical Advancements. , 2022, , 317-343.		0
5447	Lateral Flow Immunoassay for Visible Detection of Human Brucellosis Based on Blue Silica Nanoparticles. Frontiers in Veterinary Science, 2021, 8, 771341.	2.2	6
5448	Multiplexed Detection of Secreted Cytokines at near-Molecular Resolution Elucidates Macrophage Polarization Heterogeneity. Analytical Chemistry, 2022, 94, 658-668.	6.5	4
5449	Facile and wide-range size tuning of conjugated polymer nanoparticles for biomedical applications as a fluorescent probe. RSC Advances, 2022, 12, 11606-11611.	3.6	3
5450	Polyglycerol/Polydopamine-Coated Nanoparticles for Biomedical Applications. Frontiers in Materials, 2022, 9, .	2.4	5
5452	α-BaF ₂ Nanoparticle Substrate-Enabled γ-CsPbI ₃ Heteroepitaxial Growth for Efficient and Bright Deep-Red Light-Emitting Diodes. Journal of the American Chemical Society, 2022, 144, 8162-8170.	13.7	19
5453	CHAPTER 13. Separation Techniques with Nanomaterials: Chromatography and Membrane Applications of Nanomaterials. RSC Detection Science, 0, , 355-376.	0.0	0
5465	Photoluminescence of CdSe Quantum Dots: Shifting, Enhancement and Blinking., 0,, 293-314.		1
5466	The environmental influence on the photoluminescence behavior of thiol-capped CdTe quantum dots in living cells. Biomedical Materials (Bristol), 2009, 4, 012001.	3.3	1
5467	Autometallographic tracing of quantum dots. Histology and Histopathology, 2007, 22, 617-22.	0.7	3
5468	FTIR study of the surface-ligand exchange reaction with glutathione on biocompatible rod-shaped CdSe/CdS semiconductor nanocrystals. Physical Chemistry Chemical Physics, 2022, 24, 13356-13364.	2.8	4
5469	Improving the functionality of a nanomaterial by biological probes. , 2022, , 379-418.		4
5470	One-step assembly of barcoded planar microparticles for efficient readout of multiplexed immunoassay. Lab on A Chip, 2022, , .	6.0	2
5471	Amine as a Bottom-Line Functionality on Dds Surface for Efficient Endosomal Escape and Further Subcellular Targets. SSRN Electronic Journal, 0, , .	0.4	0
5472	Electrical control of biexciton Auger recombination in single CdSe/CdS nanocrystals. Nanoscale, 2022, 14, 7674-7681.	5.6	1

#	Article	IF	CITATIONS
5473	New Generation of Photosensitizers Based on Inorganic Nanomaterials. Methods in Molecular Biology, 2022, 2451, 213-244.	0.9	2
5474	CHAPTER 9. Quantum Dots in Biological Imaging. Monographs in Supramolecular Chemistry, 2022, , 278-321.	0.2	1
5476	The Promise of Nanotechnology in Personalized Medicine. Journal of Personalized Medicine, 2022, 12, 673.	2.5	27
5477	Optoelectronic Neural Interfaces Based on Quantum Dots. ACS Applied Materials & Dots amp; Interfaces, 2022, 14, 20468-20490.	8.0	21
5478	Quantum dots-sensitized solar cells: a review on strategic developments. Bulletin of Materials Science, 2022, 45, .	1.7	13
5479	B-Cell-Epitope-Based Fluorescent Quantum Dot Biosensors for SARS-CoV-2 Enable Highly Sensitive COVID-19 Antibody Detection. Viruses, 2022, 14, 1031.	3.3	7
5480	Synchronous Imaging in Golgi Apparatus and Lysosome Enabled by Amphiphilic Calixarene-Based Artificial Light-Harvesting Systems. ACS Applied Materials & Samp; Interfaces, 2022, 14, 22443-22453.	8.0	20
5481	Sequential, low-temperature aqueous synthesis of Ag–In–S/Zn quantum dots <i>via</i> staged cation exchange under biomineralization conditions. Journal of Materials Chemistry B, 2022, 10, 4529-4545.	5.8	1
5482	Designing the Surface Chemistry of Inorganic Nanocrystals for Cancer Imaging and Therapy. Cancers, 2022, 14, 2456.	3.7	4
5485	Electrically Modulated Near-Infrared/Visible Light Dual-Mode Perovskite Photodetectors. ACS Applied Materials & Samp; Interfaces, 2022, 14, 25824-25833.	8.0	18
5486	Transmission characteristics of a Clad Removed Optical Fiber coated with LEEH Caped ZnTe Quantum Dot. Optik, 2022, , 169380.	2.9	0
5487	Effect of Gaussian and Bessel Laser Beams on Linear and Nonlinear Optical Properties of Vertically Coupled Cylindrical Quantum Dots. SSRN Electronic Journal, 0, , .	0.4	O
5488	Magnetic properties of the mononuclear iron (III) complexes with biphenylâ€disubstituted Schiff base ligand: EPR and SQUID study. Applied Organometallic Chemistry, 2022, 36, .	3.5	1
5489	ZnCl ₂ Mediated Synthesis of InAs Nanocrystals with Aminoarsine. Journal of the American Chemical Society, 2022, 144, 10515-10523.	13.7	21
5490	Classical Force-Field Parameters for CsPbBr ₃ Perovskite Nanocrystals. Journal of Physical Chemistry C, 2022, 126, 9898-9908.	3.1	8
5491	Transition metal ion activated near-infrared luminescent materials. Progress in Materials Science, 2022, 129, 100973.	32.8	39
5492	Controlling the emission linewidths of alloy quantum dots with asymmetric strain. Journal of Colloid and Interface Science, 2022, 624, 287-295.	9.4	2
5494	Biological applications of ternary quantum dots: A review. Nanotechnology Reviews, 2022, 11, 2304-2319.	5.8	6

#	Article	IF	CITATIONS
5495	Microstructures and optical properties of PVA encapsulated cadmium selenide QD synthesized in non-stoichiometric ratio by green chemical route. Materials Today: Proceedings, 2022, 65, 3573-3580.	1.8	0
5496	Quantum Dots with a Compact Amphiphilic Zwitterionic Coating. ACS Applied Materials & Samp; Interfaces, 2022, 14, 28097-28104.	8.0	3
5497	Herbal Nanoparticles: A New Perspective of Drug Delivery System- A Review. Nanoscience and Nanotechnology - Asia, 2022, 12, .	0.7	0
5498	Fabrication of red-emissive ZIF-8@QDs nanoprobe with improved fluorescence based on assembly strategy for enhanced biosensing. Sensors and Actuators B: Chemical, 2022, 368, 132188.	7.8	9
5499	Optical tweezers assisted analyzing and sorting of tumor cells tagged with fluorescence nanospheres in a microfluidic chip. Sensors and Actuators B: Chemical, 2022, 368, 132173.	7.8	4
5500	In vivo evaluation and imaging of nanomaterials for theranostic applications. , 2022, , 103-125.		0
5501	Template-Based Controlled Synthesis and Bioapplication of AgInSe ₂ :Zn ²⁺ Near-Infrared Luminescent Quantum Dots [※] . Acta Chimica Sinica, 2022, 80, 625.	1.4	1
5502	Illuminating metal oxides containing luminescent probes for personalized medicine. , 2022, , 339-395.		1
5503	A Multifunctional Nanoplatform Based on Graphene Quantum Dotsâ€Cobalt Ferrite for Monitoring of Drug Delivery and Fluorescence/Magnetic Resonance Bimodal Cellular Imaging. Advanced NanoBiomed Research, 2022, 2, .	3.6	6
5504	Graphene Nanobeacons with Highâ€Affinity Pockets for Combined, Selective, and Effective Decontamination and Reagentless Detection of Heavy Metals. Small, 2022, 18, .	10.0	6
5505	Surface plasmon-enhanced aptamer-based fluorescence detection of cocaine using hybrid nanostructure of cadmium-free ZnSe/ln2S3 core/shell quantum dots and gold nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 433, 114131.	3.9	3
5507	Characterization of the Interfacial Structures of Core/Shell CdSe/ZnS QDs. Journal of Physical Chemistry Letters, 2022, 13, 7220-7227.	4.6	5
5508	A Sensitizer of Purpose: Generating Triplet Excitons with Semiconductor Nanocrystals. ACS Materials Au, 2022, 2, 641-654.	6.0	12
5509	BODIPY-Based Nanomaterialsâ€"Sensing and Biomedical Applications. Applied Sciences (Switzerland), 2022, 12, 7815.	2.5	6
5511	When Design Meets Function: The Prodigious Role of Surface Ligands in Regulating Nanoparticle Chemistry. Chemistry of Materials, 2022, 34, 7579-7597.	6.7	18
5512	Enabling ultranarrow blue emission linewidths in colloidal alloy quantum dots by decreasing the exciton fine structure splitting and exciton-phonon coupling. Nano Research, 2023, 16, 1576-1585.	10.4	4
5513	Engineering H ₂ O ₂ and O ₂ Selfâ€Supplying Nanoreactor to Conduct Synergistic Chemiexcited Photodynamic and Calciumâ€Overloaded Therapy in Orthotopic Hepatic Tumors. Advanced Healthcare Materials, 2022, 11, .	7.6	19
5514	Polymer-bonded CdTe quantum dot-nitroxide radical nanoprobes for fluorescent sensors. Journal of Materials Science, 2022, 57, 16258-16279.	3.7	1

#	Article	IF	CITATIONS
5515	Controllable Electrolysis Reveals the Microscopic Composition of Lead Sulfide Quantum Dots. Journal of Physical Chemistry C, 0, , .	3.1	0
5516	Nanoscale 3D spatial addressing and valence control of quantum dots using wireframe DNA origami. Nature Communications, 2022, 13, .	12.8	16
5517	Red-emitting polyaniline-based nanoparticle probe for pH-sensitive fluorescence imaging., 2022, 140, 213088.		2
5518	Lanthanide nanoparticles for near-infrared II theranostics. Coordination Chemistry Reviews, 2022, 471, 214724.	18.8	24
5519	Stability strategies of perovskite quantum dots and their extended applications in extreme environment: A review. Materials Research Bulletin, 2022, 156, 111987.	5.2	13
5520	Tailored quantum dots for enhancing sensing performance of lateral flow immunoassay. TrAC - Trends in Analytical Chemistry, 2022, 157, 116754.	11.4	23
5521	Investigating the impact of growth time of CdSe quantum dots on the structure and optical properties of its nanocomposites with SiO2 for improvement of optical devices. Journal of Alloys and Compounds, 2022, 925, 166729.	5.5	7
5522	A review of graphene quantum dots and their potential biomedical applications. Journal of Biomaterials Applications, 2023, 37, 1137-1158.	2.4	16
5523	Light-controlled friction realized by a photorheological fluid. Tribology International, 2022, 176, 107914.	5.9	5
5524	Probing the biotoxicity of starch nanoparticles in vivo and their mechanism to desensitize \hat{l}^2 -lactoglobulin. Food Hydrocolloids, 2023, 135, 108166.	10.7	6
5525	QDs for Sensing of Microorganisms. Nanotechnology in the Life Sciences, 2022, , 137-159.	0.6	0
5526	Carbon Quantum Dots. Nanotechnology in the Life Sciences, 2022, , 75-102.	0.6	0
5527	All-Optical Detection of Biocompatible Quantum Dots. , 2022, , 35-65.		0
5528	Introduction to Quantum Dots. , 2022, , 1-7.		O
5529	Oxidation of quantum dots encapsulated in block copolymer micelles as a function of polymer terminal charge. Nanoscale, 2022, 14, 11779-11789.	5.6	2
5530	New insights into the safety assessment of quantum dots: potential release pathways, environmental transformations, and health risks. Environmental Science: Nano, 2022, 9, 3277-3311.	4.3	4
5531	Fluorescent Quantum Dots, A Technological Marvel for Optical Bio-imaging: A Perspective on Associated In Vivo Toxicity., 2022, , 143-163.		0
5532	Advanced density-based methods for the characterization of materials, binding events, and kinetics. Chemical Society Reviews, 2022, 51, 8612-8651.	38.1	2

#	ARTICLE	IF	CITATIONS
5533	Toward high-performance refractive index sensor using single Au nanoplate-on-mirror nanocavity. Nanoscale, 2022, 14, 10773-10779.	5.6	7
5534	Medical Nanomaterials. Micro/Nano Technologies, 2022, , 1-48.	0.1	O
5535	Dye-sensitized lanthanide containing nanoparticles for luminescence based applications. Nanoscale, 2022, 14, 13915-13949.	5.6	11
5536	Monitoring of the Natural Excretion of YVO4:Yb, Er Upconversion Nanoparticles from a Land Snail. Technical Physics, 2022, 67, 283-288.	0.7	1
5537	Interaction of Nanomaterials with Protein-Peptide. Current Protein and Peptide Science, 2022, 23, 548-562.	1.4	3
5538	Nanotechnology in reproduction, breeding and conservation of fish biodiversity: Current status and future potential. Reviews in Aquaculture, 2023, 15, 557-567.	9.0	3
5539	Ultrasmall SnS ₂ quantum dotâ^'based photodetectors with high responsivity and detectivity. Nanophotonics, 2022, 11, 4781-4792.	6.0	5
5540	Transparent Nanocomposites Comprising Ligand-Exchanged CulnS ₂ /ZnS Quantum Dots and UV-Cured Resin for Wavelength Converters. ACS Omega, 2022, 7, 33039-33045.	3.5	3
5541	Homogeneous Resonant Energy Transfer within Clusters of Monodisperse Colloidal Quantum Dots. Journal of Physical Chemistry C, 2022, 126, 15309-15318.	3.1	2
5542	Color-Switchable Nanosilicon Fluorescent Probes. ACS Nano, 2022, 16, 15450-15459.	14.6	5
5543	New Trends in Fluorescent Nanomaterials-Based Bio/Chemical Sensors for Neurohormones Detectionâ" €A Review. ACS Omega, 2022, 7, 33749-33768.	3.5	10
5544	Polyvalent Glycan Quantum Dots as a Multifunctional Tool for Revealing Thermodynamic, Kinetic, and Structural Details of Multivalent Lectin–Glycan Interactions. ACS Applied Materials & Details & Company of the Com	8.0	3
5545	Temporal evolution of optical absorption and emission spectra of thiol capped CdTe quantum dots. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	7
5546	Competitive Anionic Exchange of Thiolate Ligands onto Aqueous Phosphonate-Capped Quantum Dots. Journal of Physical Chemistry C, 2022, 126, 17635-17646.	3.1	5
5547	Efficient Shortâ€Wave Infrared Lightâ€Emitting Diodes Based on Heavyâ€Metalâ€Free Quantum Dots. Advanced Materials, 2022, 34, .	21.0	16
5548	Size-dependent radiative recombination characteristics of isolated CulnS2 nanocrystals. Journal of Luminescence, 2022, 252, 119353.	3.1	1
5549	Nanobiosensors' Potentialities for Environmental Monitoring. , 2022, , 41-74.		1
5550	Tuning the properties of graphene quantum dots by passivation. Physical Chemistry Chemical Physics, 2022, 24, 26232-26240.	2.8	6

#	Article	IF	CITATIONS
5551	Luminescence in the solid state. , 2023, , 262-307.		2
5552	Precise Design Strategies of Nanotechnologies for Controlled Drug Delivery. Journal of Functional Biomaterials, 2022, 13, 188.	4.4	2
5553	The use and detection of quantum dots as nanotracers in environmental fate studies of engineered nanoparticles. Environmental Pollution, 2023, 317, 120461.	7.5	5
5554	Spatially Directed Biosynthesis of Quantum Dots via Spidroin Templating in Escherichia coli. Angewandte Chemie, 0, , .	2.0	O
5555	Bio-Nanohybrid Gelatin/Quantum Dots for Cellular Imaging and Biosensing Applications. International Journal of Molecular Sciences, 2022, 23, 11867.	4.1	0
5556	Recent Advances in Detection for Breast-Cancer-Derived Exosomes. Molecules, 2022, 27, 6673.	3.8	4
5557	Spatially Directed Biosynthesis of Quantum Dots via Spidroin Templating in <i>Escherichia coli</i> Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
5558	Emergence of infectious diseases and role of advanced nanomaterials in point-of-care diagnostics: a review. Biotechnology and Genetic Engineering Reviews, 0 , 0 , 0 , 0 , 0 , 0 , 0 , 0	6.2	15
5559	A Highly Sensitive Fluorescence and Screen-Printed Electrodes—Electrochemiluminescence Immunosensor for Ricin Detection Based on CdSe/ZnS QDs with Dual Signal. Toxins, 2022, 14, 710.	3.4	2
5560	Two-Dimensional Quantum Dots: From Photoluminescence to Biomedical Applications. Solids, 2022, 3, 578-602.	2.4	3
5561	New anti-cancer explorations based on metal ions. Journal of Nanobiotechnology, 2022, 20, .	9.1	27
5562	One-Step Ligand-Exchange Method to Produce Quantum Dot–DNA Conjugates for DNA-Directed Self-Assembly. ACS Applied Materials & Self-A	8.0	1
5563	Thermodynamics of nanocrystal–ligand binding through isothermal titration calorimetry. Chemical Communications, 2022, 58, 13037-13058.	4.1	9
5564	Nanotechnology for Personalized Medicine. Micro/Nano Technologies, 2022, , 1-48.	0.1	O
5565	Clinical big-data-based design of GLUT2-targeted carbon nanodots for accurate diagnosis of hepatocellular carcinoma. Nanoscale, 2022, 14, 17053-17064.	5.6	1
5567	Influence of Hydrophilic Thiol Ligands of Varying Denticity on the Luminescence Properties and Colloidal Stability of Quaternary Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2022, 126, 20101-20113.	3.1	2
5568	Quantum Dot-Based Molecular Beacons for Quantitative Detection of Nucleic Acids with CRISPR/Cas(N) Nucleases. ACS Nano, 2022, 16, 20693-20704.	14.6	20
5569	A High-Quality CdSe/CdS/ZnS Quantum-Dot-Based FRET Aptasensor for the Simultaneous Detection of Two Different Alzheimer's Disease Core Biomarkers. Nanomaterials, 2022, 12, 4031.	4.1	9

#	Article	IF	CITATIONS
5570	Colloidal Silicon Quantum Dotâ€Based Cavity Lightâ€Emitting Diodes with Narrowed and Tunable Electroluminescence. Advanced Optical Materials, 2023, 11, .	7.3	8
5571	All-quantum dot based Förster resonant energy transfer: key parameters for high-efficiency biosensing. Nanoscale, 2023, 15, 2614-2623.	5.6	3
5572	Effect of Gaussian and Bessel laser beams on linear and nonlinear optical properties of vertically coupled cylindrical quantum dots. Nano Structures Nano Objects, 2023, 33, 100936.	3.5	12
5573	The potential of nano-enabled oral ecosystem surveillance for respiratory disease management. Nano Today, 2023, 48, 101693.	11.9	O
5574	High-performance, environmentally friendly solid-phase color converted-based quantum dots white light-emitting diodes. Journal of Luminescence, 2023, 255, 119560.	3.1	2
5575	Nanodiamond; insight from introduction to application. Current Nanoscience, 2022, 19, .	1.2	0
5576	Review of Mn-Doped Semiconductor Nanocrystals for Time-Resolved Luminescence Biosensing/Imaging. ACS Applied Nano Materials, 2022, 5, 17413-17435.	5.0	6
5577	Hybrid Nucleic Acid-Quantum Dot Assemblies as Multiplexed Reporter Platforms for Cell-Free Transcription Translation-Based Biosensors. ACS Synthetic Biology, 2022, 11, 4089-4102.	3.8	4
5578	New insight into the application of fluorescence platforms in tumor diagnosis: From chemical basis to clinical application. Medicinal Research Reviews, 2023, 43, 570-613.	10.5	7
5579	Single-virus tracking with quantum dots in live cells. Nature Protocols, 2023, 18, 458-489.	12.0	10
5580	Application of Quantum Dots in Lateral Flow Immunoassays: Non-Communicable and Communicable Diseases. , 0, , .		0
5581	Composite Mesoporous Silica Nanoparticles with Dualâ€color Afterglow for Crossâ€correlationâ€based Living Cell Imaging. ChemPhysChem, 0, , .	2.1	0
5582	Core–Shell Nanoparticle Combined with Bacterial Targeting and Antibiotic Loading for Bacteria Tracing and Clearing. Advanced NanoBiomed Research, 2023, 3, .	3.6	1
5583	A review on ternary CuFeS2 compound: Fabrication strategies and applications. Journal of Alloys and Compounds, 2023, 938, 168566.	5 . 5	5
5584	Nanostructured Graphdiyne: Synthesis and Biomedical Applications. International Journal of Nanomedicine, 0, Volume 17, 6467-6490.	6.7	2
5585	Topological metasurface: from passive toward active and beyond. Photonics Research, 2023, 11, B65.	7.0	16
5586	Temperature Dependence of the Luminescence of Upconversion YVO4:Yb,Er Nanoparticles in the Range of 285–305 K. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 1463-1466.	0.6	5
5588	Synthesis, Surface Chemistry, and Fluorescent Properties of InP Quantum Dots. Chemistry of Materials, 2023, 35, 822-836.	6.7	22

#	Article	IF	CITATIONS
5589	Dandelion-like CoOx nanostructures decorated with CdS nanoparticles toward the photoelectrocatalytic enzymeless glucose oxidation and detection. Journal of the Iranian Chemical Society, 2023, 20, 1061-1072.	2.2	1
5590	Evaluation of a biosensor-based graphene oxide-DNA nanohybrid for lung cancer. RSC Advances, 2023, 13, 2487-2500.	3.6	31
5591	Inorganic Nanoparticles-Based Systems in Biomedical Applications of Stem Cells: Opportunities and Challenges. International Journal of Nanomedicine, 0, Volume 18, 143-182.	6.7	7
5592	Medical Nanomaterials. Micro/Nano Technologies, 2023, , 51-98.	0.1	1
5593	Structural Evolution and Electronic Properties of Selenium-Doped Boron Clusters SeBn0/â ⁻ ' (n = 3–16). Molecules, 2023, 28, 357.	3.8	4
5594	Exciton dispersion and exciton–phonon interaction in solids by time-dependent density functional theory. Journal of Chemical Physics, 2023, 158, .	3.0	0
5595	Nanotechnology for Personalized Medicine. Micro/Nano Technologies, 2023, , 555-603.	0.1	0
5596	Green Synthesis of Carbon Nanoparticles (CNPs) from Biomass for Biomedical Applications. International Journal of Molecular Sciences, 2023, 24, 1023.	4.1	9
5597	Accumulation, translocation, and transformation of two CdSe/ZnS quantum dots in rice and pumpkin plants. Science of the Total Environment, 2023, 864, 161156.	8.0	3
5598	Optical constants of multilayered colloidal ZnSe nanoparticles. Thin Solid Films, 2023, 768, 139688.	1.8	2
5599	FÓ§rster resonance energy transfer (FRET) between CdSe quantum dots and ABA phosphorus(V) corroles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 291, 122345.	3.9	2
5600	Inorganic Halide Perovskite Quantum Dots: A Versatile Nanomaterial Platform for Electronic Applications. Nano-Micro Letters, 2023, 15, .	27.0	36
5601	Role of nanomedicine for targeted drug delivery in life-threatening diseases. , 2023, , 189-217.		0
5602	Quantum Dot–Peptide Conjugates as Energy Transfer Probes for Sensing the Proteolytic Activity of Matrix Metalloproteinase-14. Analytical Chemistry, 2023, 95, 2713-2722.	6.5	10
5603	Fluorescent inorganic nanoparticles for bioimaging and therapeutic applications., 2023,, 45-71.		0
5604	It Is a Trap!: The Effect of Self-Healing of Surface Defects on the Excited States of CdSe Nanocrystals. Journal of Physical Chemistry Letters, 2023, 14, 1174-1181.	4.6	3
5606	A review on Quantum Dots (QDs) and their biomedical applications. 4open, 2023, 6, 1.	0.4	1
5607	Recent advances in quantum dot-based fluorescence-linked immunosorbent assays. Nanoscale, 2023, 15, 5560-5578.	5.6	7

#	Article	IF	CITATIONS
5608	Gibberellins detection based on fluorescence images of porous silicon microcavities. IEEE Sensors Journal, 2023, , 1-1.	4.7	0
5609	Recent advancement in nanomaterial-encapsulated drug delivery vehicles for combating cancer, COVID-19, and HIV-like chronic diseases. Materials Advances, 2023, 4, 2042-2061.	5.4	2
5610	Photoelectrochemical Ion Sensors. , 2023, , 393-416.		0
5611	Nanomaterial Characterization in Complex Media—Guidance and Application. Nanomaterials, 2023, 13, 922.	4.1	3
5612	Nickel Boride (Ni _{<i>x</i>} B) Nanocrystals: From Solid-State Synthesis to Highly Colloidally Stable Inks. Chemistry of Materials, 2023, 35, 1710-1722.	6.7	4
5613	Carbon-Centered Radicals in Protein Manipulation. ACS Central Science, 2023, 9, 614-638.	11.3	8
5614	Synthesis of Size-Tunable Indium Nitride Nanocrystals. Journal of Physical Chemistry Letters, 0, , 3669-3676.	4.6	0
5615	N-heterocyclic carbene-based polymer coating of gold nanoparticles and luminescent quantum dots. MRS Advances, 0, , .	0.9	O
5616	Synthesis of gallium phosphide quantum dots with high photoluminescence quantum yield and their application as color converters for LEDs. Journal of Industrial and Engineering Chemistry, 2023, 123, 509-516.	5.8	1
5617	Synthesis of I@MPA-Mn:ZnSe as an efficient contrast agent for CT/fluorescence bi-modal imaging application. Radiation Physics and Chemistry, 2023, 209, 110947.	2.8	0
5618	Study of the Biological Glutathione in Algae by Established Quantum Dot Covalent Coupling System. Journal of Environmental Engineering, ASCE, 2023, 149, .	1.4	1
5619	MicroLED biosensor with colloidal quantum dots and smartphone detection. Biomedical Optics Express, 2023, 14, 1107.	2.9	2
5620	Ag-doped InP/ZnS quantum dots for type-I photosensitizers. Chemical Communications, 2023, 59, 2311-2314.	4.1	5
5621	Narrow Intrinsic Line Widths and Electron–Phonon Coupling of InP Colloidal Quantum Dots. ACS Nano, 2023, 17, 3598-3609.	14.6	9
5623	Flexible Amperometric Immunosensor Based on Colloidal Quantum Dots for Detecting the Myeloperoxidase (MPO) Systemic Inflammation Biomarker. Biosensors, 2023, 13, 255.	4.7	2
5624	Encoding microcarriers for biomedicine. , 2023, 2, .		4
5625	Fabrication of CulnZnS/ZnS Quantum Dot Microbeads by a Two-Step Approach of Emulsification–Solvent Evaporation and Surfactant Substitution and Its Application for Quantitative Detection. Inorganic Chemistry, 2023, 62, 3474-3484.	4.0	4
5626	Interaction of Amphipathic Peptide from Influenza Virus M1 Protein with Mitochondrial Cytochrome Oxidase. International Journal of Molecular Sciences, 2023, 24, 4119.	4.1	2

#	Article	IF	CITATIONS
5627	The Usefulness of Nanotechnology in Improving the Prognosis of Lung Cancer. Biomedicines, 2023, 11, 705.	3.2	1
5628	Plasmon-Enhanced Fluorescence of Single Quantum Dots Immobilized in Optically Coupled Aluminum Nanoholes. Journal of Physical Chemistry Letters, 2023, 14, 2339-2346.	4.6	1
5629	Polyelectrolyte assembly with nanoparticle-immobilized enzymes., 2023,, 61-87.		0
5630	Re-Examination of the Polymer Encapsulation of Quantum Dots for Biological Applications. ACS Applied Nano Materials, 2023, 6, 4046-4055.	5.0	1
5631	Metallic Nanoparticles: Status and Prospect. , 2023, , 127-159.		1
5632	Non-linear organic small molecule imaging agents. , 2023, , .		0
5633	Influence of Capping Ligands, Solvent, and Thermal Effects on CdSe Quantum Dot Optical Properties by DFT Calculations. ACS Omega, 2023, 8, 11467-11478.	3.5	3
5634	Glycosylated quantum dots as fluorometric nanoprobes for trehalase. Organic and Biomolecular Chemistry, 2023, 21, 2905-2909.	2.8	0
5635	Carbon Quantum Dots as Multiâ€Purpose Nanomaterial in Stem Cell Therapy. Chemistry and Biodiversity, 2023, 20, .	2.1	6
5636	Ultrahigh-resolution full-color micro-LED array with enhanced efficiency based on a color conversion technique. Photonics Research, 2023, 11, 925.	7.0	9
5637	InP Lowâ€Dimensional Nanomaterials for Electronic and Optoelectronic Device Applications: A Review. , 0, , .		0
5638	QDs-Based Chemiluminescence Biosensors. , 2023, , 509-529.		0
5639	Fluorescence Intermittency of Quantum Dot–Organic Dye Conjugates: Implications for Alternative Energy and Biological Imaging. Journal of Physical Chemistry Letters, 2023, 14, 3621-3626.	4.6	1
5640	Nanomaterial-based contrast agents. Nature Reviews Methods Primers, 2023, 3, .	21.2	9
5641	II-VI Quantum Dots and Their Surface Functionalization. , 2023, , 385-422.		0
5642	Construction and application of bionanomaterials., 2023,, 567-594.		1
5643	Synthesis of Zinc Sulfide Nanoparticles Using Pyridinium Ionic Liquids. Russian Journal of General Chemistry, 2023, 93, 352-357.	0.8	0
5644	Quantum dots: Optical properties. , 2024, , 308-324.		0

#	Article	IF	CITATIONS
5645	Nanomaterials as transmitters of non-viral gene vectors: A review. Case Studies in Chemical and Environmental Engineering, 2023, 8, 100372.	6.1	13
5646	Chemically and electronically active metal ions on InAs quantum dots for infrared detectors. NPG Asia Materials, 2023, 15 , .	7.9	1
5647	Nanostructured transparent solutions for UV-shielding: Recent developments and future challenges. Materials Today Physics, 2023, 35, 101131.	6.0	5
5648	Quantum dots: an overview of synthesis, properties, and applications. Materials Research Express, 2023, 10, 062001.	1.6	6
5649	Application of Scanning Tunneling Microscopy and Spectroscopy in the Studies of Colloidal Quantum Qots. Chemical Record, 0, , .	5.8	0
5650	NIR quantum dot construction of fluorescence anisotropy signal amplification biosensor for sensitive rapid and separation-free detection of dopamine in serum. Analyst, The, 0, , .	3.5	0
5651	Exploring the multifunctional roles of quantum dots for unlocking the future of biology and medicine. Environmental Research, 2023, 232, 116290.	7.5	7
5652	Ligand-induced surface reconstruction in Ag2S colloidal quantum dots for highly luminescent infrared fluorescence. Applied Surface Science, 2023, 635, 157706.	6.1	O
5653	Hydrothermal Synthesis of Functionalized Carbon Nanodots and Their Clusters as Ionic Probe for High Sensitivity and Selectivity for Sulfate Anions with Excellent Detection Level. Polymers, 2023, 15, 2655.	4.5	2
5654	Introduction to Nanomedicine. SpringerBriefs in Applied Sciences and Technology, 2023, , 1-15.	0.4	0
5656	Review of conventional and advanced non-destructive testing techniques for detection and characterization of small-scale defects. Progress in Materials Science, 2023, 138, 101155.	32.8	7
5657	Recent trends in macromolecule-conjugated hybrid quantum dots for cancer theranostic applications. RSC Advances, 2023, 13, 18760-18774.	3.6	2
5658	Theranostic Applications of Quantum Dots. , 2023, , 209-238.		1
5659	Coherent heteroepitaxial growth of I-III-VI2 Ag(In,Ga)S2 colloidal nanocrystals with near-unity quantum yield for use in luminescent solar concentrators. Nature Communications, 2023, 14, .	12.8	8
5660	A review of rapid food safety testing: using lateral flow assay platform to detect foodborne pathogens. Critical Reviews in Food Science and Nutrition, 0, , 1-23.	10.3	7
5661	Quantum dots conjugation and its advancement in biomedical applications., 2023,, 57-74.		0
5662	Study of FRET between Zn-Cu-ln-S/ZnS core/shell quantum dots-Cresyl violet dye system. Materials Today: Proceedings, 2023, 92, 1477-1481.	1.8	0
5663	Structural and lattice dynamics investigation of double luminescent nanosized hybrid Gd2O3. Materials Today Communications, 2023, 36, 106500.	1.9	0

#	Article	IF	CITATIONS
5664	Nucleic Acid in Nanotechnology. , 2023, , 167-211.		1
5666	Influence of different functionalized CdTe quantum dots on the accumulation of metals, developmental toxicity and respiration in different development stages of the zebrafish (Danio rerio). Frontiers in Toxicology, 0, 5, .	3.1	2
5667	Demystifying the coordination polymers triggered fluorescence immunoassay: State of the art and future perspectives. Coordination Chemistry Reviews, 2023, 488, 215188.	18.8	2
5668	ZnO metal oxide nanoparticle as biological tool. Reviews in Inorganic Chemistry, 2023, .	4.1	0
5669	Multiplexed Immunoassay Using Quantum Dots to Monitor Proteins Secreted from Single Cells at Near-Single Molecule Resolution. Methods in Molecular Biology, 2023, , 187-206.	0.9	0
5670	Cancer Diagnosis and Treatment with Nano-Approaches. , 2023, , 207-234.		0
5671	Nanosensors for crop protection. , 2023, , 323-349.		0
5672	Recent Trends in Lateral Flow Immunoassays with Optical Nanoparticles. International Journal of Molecular Sciences, 2023, 24, 9600.	4.1	2
5673	Multipurpose biological applications of excitation-dependent fluorescent carbon nano dots emanated from biomass waste. Materials Chemistry and Physics, 2023, 307, 128113.	4.0	0
5674	Biosensing Applications of MXene-Based Composites. , 2023, , 325-343.		0
5676	Band Gap Engineering Improves Three-Photon Luminescence of Quantum Dots for Deep Brain Imaging. Analytical Chemistry, 2023, 95, 10947-10956.	6.5	0
5677	Pre-ceramic polymer-assisted nucleation and growth of copper sulfide nanoplates. Communications Materials, 2023, 4, .	6.9	0
5678	Size-Controllable Fabrication of Quantum Dot Micro-Beads Using a Custom Developed UV-Curable CdSe and InP QD Photoresist. , 2022, , .		0
5679	Review of the Role of Nanotechnology in Overcoming the Challenges Faced in Oral Cancer Diagnosis and Treatment. Molecules, 2023, 28, 5395.	3.8	2
5680	Medical Imaging Technology and Imaging Agents. Advances in Experimental Medicine and Biology, 2023, , 15-38.	1.6	1
5681	Extracellular Vesicles Isolated from Menstrual Blood-derived Mesenchymal Stem Cells in Regenerative Medicine. Jentashapir Journal of Cellular and Molecular Biology, 2023, 14, .	0.2	0
5682	Electric-field-induced colour switching in colloidal quantum dot molecules at room temperature. Nature Materials, 2023, 22, 1210-1217.	27.5	8
5683	A ligand-free up-conversion nanoplatform based on enzyme cascade amplification strategy for highly sensitive detection of alkaline phosphatase. Microchemical Journal, 2023, 193, 109170.	4.5	1

#	Article	IF	CITATIONS
5684	Silicon Carbide-Based DNA Sensing Technologies. Micromachines, 2023, 14, 1557.	2.9	1
5685	Photoexcited Carrier Transfer in CulnS ₂ Nanocrystal Assembly by Suppressing Resonantâ€Energy Transfer. ChemPhysChem, 2023, 24, .	2.1	O
5686	Quantum Dot Biomimetic for SARS-CoV-2 to Interrogate Blood–Brain Barrier Damage Relevant to NeuroCOVID Brain Inflammation. ACS Applied Nano Materials, 2023, 6, 15094-15107.	5.0	1
5687	Colloidal InAs Tetrapods: Impact of Surfactants on the Shape Control. Journal of the American Chemical Society, 2023, 145, 18329-18339.	13.7	1
5689	Enhanced UV Lightâ€Emission of Zincâ€Phosphateâ€Hydrate Hydrothermallyâ€Grown on Cu Metal Substrates for Optoâ€Electronic Applications. Advanced Electronic Materials, 0, , .	5.1	0
5690	A Review of Labeling Approaches Used in Small Extracellular Vesicles Tracing and Imaging. International Journal of Nanomedicine, 0, Volume 18, 4567-4588.	6.7	2
5691	Nanobiosensing Based on Electro-Optically Modulated Technology. Nanomaterials, 2023, 13, 2400.	4.1	0
5692	Quantum Dots in Medical Detection/Diagnosis. , 2023, , 75-106.		O
5693	Cadmium-Based Quantum Dots Alloyed Structures: Synthesis, Properties, and Applications. Materials, 2023, 16, 5877.	2.9	0
5694	Pâ€69: Ligand Treatment on Quantum Dots to Obtain Highly Stable Infrared Lightâ€Emitting Diode. Digest of Technical Papers SID International Symposium, 2023, 54, 1739-1741.	0.3	O
5695	Fluorescent markers in microscopy: photophysical characteristics and applications in cell biology. , 2016, 59, 27-46.		0
5697	A narrow-band deep-blue MRTADF-type organic afterglow emitter. Chemical Communications, 2023, 59, 12302-12305.	4.1	1
5698	Quantitative Measurement of Squeeze Flow Distribution in Nanogaps by Particle Image Velocimetry Using Quantum Dots. Tribology Letters, 2023, 71, .	2.6	0
5699	Ultrafast dense DNA functionalization of quantum dots and rods for scalable 2D array fabrication with nanoscale precision. Science Advances, 2023, 9, .	10.3	1
5700	Communicating Supraparticles to Enable Perceptual, Informationâ€Providing Matter. Advanced Materials, 2023, 35, .	21.0	1
5701	Single probe-based catalytic quantum dot FRET nanosensor for human alkyladenine DNA glycosylase detection. Talanta, 2024, 266, 125089.	5.5	2
5702	Polyelectrolyte brushes affect the adsorption kinetics of nanoparticles onto lipid membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 677, 132354.	4.7	0
5703	980 nm Near-Infrared Light-Emitting Diode Using All-Inorganic Perovskite Nanocrystals Doped with Ytterbium Ions. Tsinghua Science and Technology, 2024, 29, 207-215.	6.1	O

#	Article	IF	Citations
5704	Cancer treatment and toxicity outlook of nanoparticles. Environmental Research, 2023, 237, 116870.	7.5	9
5705	A new biosensing platform based on L-cysteine-capped Fe3O4 nanoparticles embedded in chitosan-MWCNT matrix: Electrochemical kinetic and sensing studies. Biosensors and Bioelectronics: X, 2023, 15, 100412.	1.7	O
5706	Labeling of CPPs. , 2023, , 95-106.		0
5707	The Bright and Enlightening Science of Quantum Dots. Nano Letters, 2023, 23, 9673-9676.	9.1	2
5709	Sheaf-like Manganese-Doped Zinc Silicate with Enhanced Photoluminescence Performance. Inorganics, 2023, 11, 407.	2.7	0
5710	Recent Advances in MXene Quantum Dots: A Platform with Unique Properties for General-Purpose Functional Materials with Novel Biomedical Applications. Topics in Current Chemistry, 2023, 381, .	5.8	3
5711	Development of a N6-methyladenosine-directed single quantum dot-based biosensor for sensitive detection of METTL3/14 complex activity in breast cancer tissues. Analytica Chimica Acta, 2023, 1279, 341796.	5.4	1
5713	Nanomachines and their biomedical applications. , 2024, , 131-150.		0
5714	Molecular imprinting-based indirect fluorescence detection strategy implemented on paper chip for non-fluorescent microcystin. Nature Communications, 2023, 14, .	12.8	5
5715	Lightâ€driven Metabolic Pathways in Nonâ€photosynthetic Biohybrid Bacteria. ChemBioChem, 0, , .	2.6	0
5716	Electric-Field Fluctuations as the Cause of Spectral Instabilities in Colloidal Quantum Dots. Nano Letters, 2023, 23, 9753-9759.	9.1	1
5717	Quantum Dots Assembled with Photosynthetic Antennae on a Carbon Nanotube Platform: A Nanohybrid for the Enhancement of Light Energy Harvesting. ACS Omega, 2023, 8, 41991-42003.	3 . 5	0
5718	Highly sensitive metal-enhanced fluorescence platform based on high-quality CdSe/ZnS quantum dots and gold nanodendrites. Chemical Engineering Journal, 2023, 477, 147240.	12.7	0
5719	Co-Doped CdS Quantum Dots and Their Bionanocomplex with Protein: Interaction and Bioimaging Properties. Springer Proceedings in Physics, 2023, , 363-384.	0.2	0
5720	Alkaline surface treatment and time-resolved reading of mn-doped nanocrystal signal transducer for enhanced bioassay sensitivity. Journal of Pharmaceutical and Biomedical Analysis, 2024, 238, 115840.	2.8	0
5721	Optical Detection of the Viruses by Gold Nanoparticles (AuNPs). Journal of Nanomaterials, 2023, 2023, 1-10.	2.7	0
5722	Protein/Protein and Quantum Dot/Protein Organization in Sequential Monolayer Materials Studied Using Resonance Energy Transfer. Applied Sciences (Switzerland), 2023, 13, 11917.	2.5	0
5723	Emerging synchrotron radiation X-ray-sensitive probes for in situ bioimaging at the nanoscale. TrAC - Trends in Analytical Chemistry, 2024, 170, 117453.	11.4	0

#	Article	IF	CITATIONS
5724	PEG修饰的硅é‡åç,¹åº"ç"¨äºŽç»†èfžçš"äºŒæ¬¡è°æ³¢æ^åf•Zhongguo Jiguang/Chinese Journal of Lasers, 2023,150, 2107d09.		
5725	Nanotechnology-Based Biosensors in Medicine. , 2023, , 29-54.		0
5726	Facile synthesis of highly fluorescent nitrogen-doped carbon quantum dots and their role in bioimaging of some pathogenic microorganisms. Journal of Nanoparticle Research, 2023, 25, .	1.9	0
5727	Nanoparticleâ€Based Bioaffinity Assays: From the Research Laboratory to the Market. Advanced Materials, 2024, 36, .	21.0	1
5728	Improved electro-optical properties of ferroelectric liquid crystal by incorporating alloyed quaternary ZnCuGaS ₂ /ZnS core/shell quantum dots. Liquid Crystals, 0, , 1-9.	2.2	2
5729	In Situ Room-Temperature Synthesis of All-Colloidal Quantum Dot CsPbBr ₃ –PbS Heterostructures. ACS Photonics, 2023, 10, 4305-4314.	6.6	1
5730	The Effect of Monomer Size on Fusion and Coupling in Colloidal Quantum Dot Molecules. Nano Letters, 0 , , .	9.1	0
5731	Assessing the Steric Impact of Surface Ligands on the Proteolytic Turnover of Quantum Dot–Peptide Conjugates. ACS Applied Materials & Dota & Conjugates.	8.0	0
5732	CdTe quantum dots as fluorescent nanotools for in vivo glioblastoma imaging. Optical Materials: X, 2024, 21, 100282.	0.8	0
5733	Exposure of quantum dots in the nervous system: Central nervous system risks and the blood–brain barrier interface. Journal of Applied Toxicology, 0, , .	2.8	0
5734	Nanoparticles Internalization through HIP-55-Dependent Clathrin Endocytosis Pathway. Nano Letters, 0, , .	9.1	0
5735	Room-Temperature Single-Photon Sources Based on Colloidal Quantum Dots: A Review. Materials, 2023, 16, 7684.	2.9	0
5736	Nano-quantum sensors-based imaging and sensing for target-based drug discovery and development. TrAC - Trends in Analytical Chemistry, 2024, 171, 117496.	11.4	0
5737	A Novel Multiscale Residual Aggregation Network-Based Image Super-Resolution Algorithm for Semiconductor Defect Inspection. IEEE Transactions on Semiconductor Manufacturing, 2024, 37, 93-102.	1.7	0
5738	Thickness-variation-insensitive near-infrared quantum dot LEDs. Science Bulletin, 2023, 68, 2954-2961.	9.0	0
5739	High-Pixel Density Micro-LED Display with Easy-to-Manufacture Color Conversion Layer. , 2023, , .		1
5740	Biomineralization through a Symmetry-Controlled Oligomeric Peptide. Biomimetics, 2023, 8, 606.	3.3	0
5741	Immobilization of azide-functionalized proteins to micro- and nanoparticles directly from cell lysate. Mikrochimica Acta, 2024, 191, .	5.0	0

#	Article	IF	CITATIONS
5742	Emerging green carbon dots: Opto-electronic and morpho-structural properties for sensing applications. Comprehensive Analytical Chemistry, 2024, , 141-169.	1.3	0
5743	Chemical activity, oxidation resistance and infrared transparency of (Ti3C2)n quantum dots induced by quantum confinement effect. Surfaces and Interfaces, 2024, 44, 103790.	3.0	O
5744	Graphene oxide-based biosensors for detection of lung cancer: A review. Results in Chemistry, 2024, 7, 101300.	2.0	0
5745	Bright and stable near-infrared lead-free perovskite light-emitting diodes. Nature Photonics, 2024, 18, 170-176.	31.4	2
5746	Energy Decomposition Scheme for Rectangular Graphene Flakes. Nanomaterials, 2024, 14, 181.	4.1	0
5747	Chirped Pulses Meet Quantum Dots: Innovations, Challenges, and Future Perspectives. Advanced Quantum Technologies, 0, , .	3.9	0
5748	Facile Ligand Exchange of Ionic Ligand-Capped Amphiphilic Ag ₂ S Nanocrystals for High Conductive Thin Films. ACS Applied Materials & Samp; Interfaces, 2024, 16, 3853-3861.	8.0	0
5749	Zinc selenide quantum dots as fluorescent labels for biomedical imaging. Applied Organometallic Chemistry, 2024, 38, .	3.5	0
5750	Procedure Optimization for Green Synthesis of Magneticâ€Copper Nanoparticles by Aqueous Alcea Medicinal Plant Extract and Their Photocatalytic Properties. ChemistrySelect, 2024, 9, .	1.5	0
5751	Illuminating the Path to Enhanced Bioimaging by Phospholeâ€based Fluorophores. ChemBioChem, 2024, 25, .	2.6	0
5752	Theranostic Applications of Functional Nanomaterials Using Microscopic and Spectroscopic Techniques., 2024,, 87-118.		0
5753	Link between shape dependent lifetimes and thermal escape in quantum dots and rings. Physical Review Research, 2024, 6, .	3.6	0
5754	Arginine Surface Density of Nanoparticles Controls Nonendocytic Cell Uptake and Autophagy Induction. ACS Applied Materials & Samp; Interfaces, 2024, 16, 5451-5461.	8.0	0
5755	MXenes and their applications in sensors. , 2024, , 281-353.		0
5756	Review of MXene-Derived Quantum Dots for Cancer Theranostics. ACS Applied Nano Materials, 2024, 7, 2546-2574.	5.0	0
5757	Single- and two-photon-induced FÃ \P rster resonance energy transfer in InP-mCherry bioconjugates. Journal of Chemical Physics, 2024, 160, .	3.0	0
5758	Growth Control of InP/ZnSe Heterostructured Nanocrystals. Advanced Materials, 0, , .	21.0	0
5759	Simple and Cost-Effective Quantum Dot Chemodosimeter for Visual Detection of Biothiols in Human Blood Serum. ACS Omega, 2024, 9, 6588-6594.	3.5	O

#	Article	IF	Citations
5760	Configuration analysis of the quantum well epi-layer in the InGaAs-based near-infrared light-emitting diodes. European Physical Journal Plus, 2024, 139, .	2.6	0
5761	Oligomeric Zinc Thiolates Tethering Multidentate Carboxylates for Nondestructive Aqueous Phase Transfer of Quantum Dots. Small, 0, , .	10.0	0
5762	Highly Sensitive, Stable InP Quantum Dot Fluorescent Probes for Quantitative Immunoassay Through Nanostructure Tailoring and Biotin–Streptavidin Coupling. Inorganic Chemistry, 2024, 63, 4604-4613.	4.0	0
5763	Size-Controllable Fabrication of Quantum Dot Micro-Beads Using a Custom Developed UV-Curable CdSe and InP QD Photoresist. , 2022, , .		0
5764	Effect of PVP Molecular Weights on the Synthesis of Ultrasmall Cus Nanoflakes: Synthesis, Properties, and Potential Application for Phototheranostics. ACS Applied Bio Materials, 2024, 7, 1671-1681.	4.6	0
5765	Elemental semiconductor nanocrystals. , 2024, , 825-851.		0
5766	Tris-assisted one-step fabrication of functional carbon dots for specific folate receptor positive-expressed cancer cell imaging. Talanta, 2024, 273, 125904.	5.5	0
5767	Enzymatic reaction-modulated in-situ formation of nanomaterials and their applications in colorimetric and fluorescent sensing. Coordination Chemistry Reviews, 2024, 508, 215787.	18.8	0
5768	CdSe Core and CdSe@ZnSe Core–Shell QDs Decorated with Human Serum Albumin: Deciphering the Antimicrobial Properties and Sensing of Mercury Ion. ACS Applied Nano Materials, 2024, 7, 7453-7464.	5.0	0
5770	Advances in Luminescence-Based Biosensing with Quantum Dots. Advanced Structured Materials, 2024, , 469-489.	0.5	0
5771	Intrinsic Narrowband Organic Afterglow. Chemistry of Materials, 2024, 36, 3000-3012.	6.7	0
5773	Direct Membrane Penetration and Cytosolic Delivery of Nanoparticles via Electrostatically Bound Amphiphiles. ACS Applied Materials & Electrostatical Bound Amphiphiles. ACS Applied Materials &	8.0	0
5774	Single-Nucleobase-Resolved Nanoruler Determines the Surface Energy Transfer Radius on the Living Cell Membrane. Analytical Chemistry, 2024, 96, 5274-5281.	6.5	0