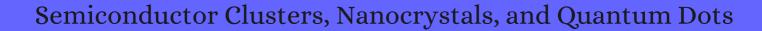
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# (2003-2003)

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# (2021-2005)

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The Role of Endogenous Metal Nanoparticles in Biological Systems. **2021**, 11,

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87	Orbital Mixing between Colloidal Quantum Dots and Surface-Bound Molecules. 11892-11898	O
86	Synthesis and Applications of Optical Materials. <b>2023</b> , 13, 297	O
85	Multimodal imaging of cubic Cu2O@Au nanocage formation via galvanic replacement using X-ray ptychography and nano diffraction. <b>2023</b> , 13,	O
84	Role of Tunable Gold Nanostructures in Cancer Nanotheranostics: Implications on Synthesis, Toxicity, Clinical Applications and Their Associated Opportunities and Challenges. <b>2023</b> , 4, 1-34	1
83	Structural Evolution and Electronic Properties of Selenium-Doped Boron Clusters SeBn0/[[n = 3fl6]). <b>2023</b> , 28, 357	О
82	Efficient Quantum Dot Color Conversion Layer with Mixed Spherical/Rod-Shaped Scattering Particles.	О
81	Silver nanoparticle induced enhancement and quenching of fluorescence of thiol-capped CdS quantum dot.	O
80	Composition effects on exciton recombination dynamics of blue-emitting alloyed Cd1NZnxS/ZnS quantum dots.	O
79	Emergence of Visible-Light Water Oxidation Upon Hexaniobate-Ligand Entrapment of Quantum-Confined Copper-Oxide Cores.	O
78	Inorganic Halide Perovskite Quantum Dots: A Versatile Nanomaterial Platform for Electronic Applications. <b>2023</b> , 15,	О
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75	Nanomaterials in Human Disease Diagnosis. <b>2019</b> , 249-298	O
74	Quantum dots: an emerging implication of nanotechnology in cancer diagnosis and therapy. <b>2023</b> , 243-262	O
73	Amine Hole Scavengers Facilitate Both Electron and Hole Transfer in a Nanocrystal/Molecular Hybrid Photocatalyst. <b>2023</b> , 145, 3238-3247	O
72	Highly Emissive Green ZnSeTe Quantum Dots: Effects of Core Size on Their Optical Properties and Comparison with InP Counterparts. <b>2023</b> , 8, 1131-1140	0
71	Hydrogen Production from Formic Acid by in situ Generated Ni/CdS Photocatalytic System under Visible Light Irradiation.	O

70	Fundamentals of photoelectrocatalysis. <b>2023</b> , 7-81	O
69	Quantum dots: a brief review. <b>2023</b> , 41-66	O
68	Quantum dots: novel approach for biological imaging. <b>2023</b> , 477-500	0
67	Synthesis, structural properties, and applications of cadmium sulfide quantum dots. <b>2023</b> , 235-266	O
66	Interface engineering of perovskite nanocrystals: challenges and opportunities for biological imaging and detection.	0
65	Surface-Ligand-Modified CdSe/CdS Nanorods for High-Performance Light-Emitting Diodes. <b>2023</b> , 8, 3762-37	<b>67</b> 0
64	The Electromagnetic Properties of ZnO Quantum Dot with Different Mn-Doping Sites.	0
63	Sustainability, recycling, and lifetime issues of quantum dots. <b>2023</b> , 575-580	O
62	Introduction to nano materials. <b>2023</b> , 3-40	O
61	Quantum Dots in Cancer Cell Imaging.	O
60	Correlating Fluorescence Intermittency and Second-Harmonic Generation in Single-Colloidal Semiconductor Nanoplatelets. 2200226	0
59	In situ quantitative single-molecule study of site-specific photocatalytic activity and dynamics on ultrathin g-C3N4 nanosheets.	1
58	Current prospects of carbon-based nanodots in photocatalytic CO2 conversion. 2023, 295-340	O
57	Fluorescent inorganic nanoparticles for bioimaging and therapeutic applications. 2023, 45-71	O
56	Polymer nanocomposites for biomedical applications. <b>2023</b> , 379-394	0
55	Investigation of photocatalytic and luminescence properties of Na0.5Ce0.5WO4 self-assembled photocatalysts under solar light irradiation: Morphological, temperature and pH role. <b>2023</b> ,	O
54	Pullulan in Drug Delivery System for the Treatment of Lung Disorders. 2023, 329-358	0
53	Nanomaterial-Based Synaptic Optoelectronic Devices for In-Sensor Preprocessing of Image Data.	O

52	Prospects and future perspectives of electronic materials for solar energy applications. 2023, 281-296	0
51	Ultraprecise control over the photophysical properties of novel amino acid functionalized CdTeS quantum dots and their effect on the emission of yellow-emissive carbon dots.	O
50	Quantum dots as photon down-conversion materials. 2023, 247-264	0
49	Anisotropic Heavy-Metal-Free Semiconductor Nanocrystals: Synthesis, Properties, and Applications. <b>2023</b> , 123, 3625-3692	O
48	Functional nanoparticles from chemically coupled precipitation processes. 2023, 29, 101438	0
47	Recent developments of lead-free halide-perovskite nanocrystals: Synthesis strategies, stability, challenges, and potential in optoelectronic applications. <b>2023</b> , 34, 101079	0
46	Nanomaterials-driven innovative electrochemiluminescence aptasensors in reporting food pollutants. <b>2023</b> , 485, 215136	0
45	Alkali-assisted engineering of ultrathin graphite phase carbon nitride nanosheets with carbon vacancy and cyano group for significantly promoting photocatalytic hydrogen peroxide generation under visible light: Fast electron transfer channel. <b>2023</b> , 643, 47-61	O
44	A comprehensive review on carbon quantum dots as an effective photosensitizer and drug delivery system for cancer treatment. <b>2023</b> , 4, 11-20	0
43	Metallo-Surfactant assisted silver nanoparticles: A new approach for the colorimetric detection of amino acids. <b>2023</b> , 296, 122693	O
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41	Improved performance of visible-light photocatalytic H2-production and Cr(VI) reduction by waste pigeon guano doped g-C3N4 nanosheets. <b>2023</b> , 152, 37-49	O
40	Advances and opportunities in hanoimaging agents for the diagnosis of inflammatory lung diseases. <b>2022</b> , 17, 1981-2005	O
39	Ligand Chemistry of Inorganic Lead Halide Perovskite Nanocrystals. <b>2023</b> , 8, 1152-1191	O
38	Surface-dependent quenching of Qdot emission can be a new tool for high resolution measurements. <b>2023</b> , 13,	0
37	Chalcogenide glass nanospheres with tunable morphology by liquid-phase template approach. <b>2023</b> , 26, 106111	O
36	Multiplexing near-infrared quantum dot fluorescence through vibrational and electronic transition signatures.	0
35	Fluorescent Carbon Dots from Food Industry By-Products for Cell Imaging. <b>2023</b> , 14, 90	Ο

34	Top-down produced CdSe quantum dots as an ultrasensitive SERS platform for the detection of uric acid. <b>2023</b> , 7, 1624-1632	0
33	Size Dependent Electronic Level Structure of Colloidal InAs Nanocrystal Quantum Dots. 1997,	Ο
32	Synthesis and Micro hardness Studies of Polymer Nanocomposites of ZnS with PVK. <b>2023</b> , 2426, 012043	0
31	The effect of size, shape, coating and functionalization on nuclear relaxation properties in iron oxide coreShell nanoparticles: a brief review of the situation. <b>2023</b> , 52, 3551-3562	O
30	Closed-loop optimization of nanoparticle synthesis enabled by robotics and machine learning. <b>2023</b> , 6, 677-690	O
29	Fabrication and Characterization of Si Dots Prepared by Self-Organized Recrystallization. 1997,	O
28	Size Determination in Chemically Grown PbS Nano Particles Using Different Theoretical Approach. <b>2023</b> , 407,	0
27	OPTICAL DETECTION of CADMIUM SELENIDE QUANTUM DOTS via ABSORPTION SPECTROSCOPY and TRANSMISSION ELECTRON MICROSCOPY.	O
26	Review of roll-to-roll fabrication techniques for colloidal quantum dot solar cells. 2023, 21, 100189	0
25	Effect of monovalent, divalent, and trivalent ions codoped with LaOCl: Eu3+ phosphors and its Judd-Ofelt analysis for display device applications. <b>2023</b> , 49, 18219-18227	O
24	The Size-Dependent Photonic Characteristics of Colloidal-Quantum-Dot-Enhanced Micro-LEDs. <b>2023</b> , 14, 589	0
23	Direct and Indirect Pathways of CdTeSe Magic-Size Cluster Isomerization Induced by Surface Ligands at Room Temperature. <b>2023</b> , 9, 519-530	O
22	Modified Zinc Magnesium Oxide for Optimal Charge-Injection Balance in InP Quantum Dot Light-Emitting Diodes. 2202256	0
21	Remarkable Electrical Conductivity Increase and Pure Metallic Properties from Semiconducting Colloidal Nanocrystals by Cation Exchange for Solution-Processable Optoelectronic Applications. 2207511	O
20	Influence of Capping Ligands, Solvent, and Thermal Effects on CdSe Quantum Dot Optical Properties by DFT Calculations. <b>2023</b> , 8, 11467-11478	0
19	Bio-inspired synthesis of CdO nanoparticles using Citrus limetta peel extract and their diverse biomedical applications. <b>2023</b> , 82, 104373	O
18	Planar quantum dots: Theoretical approaches. <b>2022</b> ,	О
17	Adapting two-phase synthesis method to develop cadmium poor quaternary ZnCd-chalcogenide quantum dots. <b>2023</b> , 138, 113713	O

16	Introduction in Gas Sensing. <b>2023</b> , 161-175	Ο
15	Synthesis of dendronized PAMAM grafted ROMP polymers. <b>2023</b> , 60, 282-296	Ο
14	Amplified Spontaneous Emission and Lasing from Zn-Processed AgIn5S8 Core/Shell Quantum Dots. <b>2023</b> , 15, 19330-19336	O
13	Bis(stearoyl) Sulfide: A Stable, Odor-Free Sulfur Precursor for High-Efficiency Metal Sulfide Quantum Dot Photovoltaics.	O
12	Temperature behavior of the optical spectra of InP/ZnS nanocrystals stabilized by a polyvinylpyrrolidone-based coating. <b>2023</b> , 72, 534-545	0
11	Electronic Structure, Magnetism and Magnetocrystalline Anisotropy of Antiferromagnetic Semiconducting Chalcopyrite. 423, 23-31	O
10	Review of Luminescence-Based Light Spectrum Modifications Methods and Materials for Photovoltaics Applications. <b>2023</b> , 16, 3112	0
9	Heat-Up Process: Road to Synthesizing Monodisperse Nanoparticles.	O
8	Role of Semiconductor Nanostructures in Photon Upconversion Applications.	0
7	Rational Control of Near-Infrared Colloidal Thick-Shell Eco-Friendly Quantum Dots for Solar Energy Conversion.	O
6	Review of Metal Sulfide Nanostructures and their Applications.	0
5	Synthesis, Assembly, and Applications of Magic-Sized Semiconductor (CdSe)13 Cluster.	O
4	Colloidal Nanoparticles of II-VI Semiconductor Compounds and Their Participation in Photosensitization of Metal Oxides. <b>2023</b> , 157-179	0
3	Ternary II-VI Alloys Promising for Application in Photodetectors. <b>2023</b> , 87-107	O
2	Quantification of nanoparticles' concentration inside polymer films using lock-in thermography.	0
1	Single-molecule/particle counting for microRNA detection and imaging. 2023, 164, 117085	0