Mikhail Artemyev

List of Publications by Year
in descending order

180	6,339	71102 41	71685 76
papers	citations	h-index	g-index

184	184	184	6439
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Luminescence of CdSe Quantum Dots on Gold Colloids. Nano Letters, 2002, 2, 1449-1452.	9.1	638
2	Biocompatible fluorescent nanocrystals for immunolabeling of membrane proteins and cells. Analytical Biochemistry, 2004, 324, 60-67.	2.4	312
3	Exciton-Plasmon-Photon Conversion in Plasmonic Nanostructures. Physical Review Letters, 2007, 99, 136802.	7.8	275
4	Energy Transfer in Aqueous Solutions of Oppositely Charged CdSe/ZnS Core/Shell Quantum Dots and in Quantum Dotâ˜Nanogold Assemblies. Nano Letters, 2004, 4, 451-457.	9.1	225
5	Electronic Structure and Excitonâ€“Phonon Interaction in Two-Dimensional Colloidal CdSe Nanosheets. Nano Letters, 2012, 12, 3151-3157.	9.1	224
6	Light Trapped in a Photonic Dot:â€‰ Microspheres Act as a Cavity for Quantum Dot Emission. Nano Letters, 2001, 1, 309-314.	9.1	164
7	Oriented conjugates of single-domain antibodies and quantum dots: toward a new generation of ultrasmall diagnostic nanoprobes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 516-525.	3.3	140
8	Highly Stable Fluorescent Nanocrystals as a Novel Class of Labels for Immunohistochemical Analysis of Paraffin-Embedded Tissue Sections. Laboratory Investigation, 2002, 82, 1259-1261.	3.7	135
9	Synthesis of Quantum Dot-Tagged Submicrometer Polystyrene Particles by Miniemulsion Polymerization. Langmuir, 2006, 22, 1810-1816.	3.5	132
10	Directed emission of CdSe nanoplatelets originating from strongly anisotropic 2D electronic structure. Nature Nanotechnology, 2017, 12, 1155-1160.	31.5	131
11	Exciton Fine Structure in Single CdSe Nanorods. Physical Review Letters, 2005, 94, 016803.	7.8	121
12	Two Photon Absorption in IIâ€“VI Semiconductors: The Influence of Dimensionality and Size. Nano Letters, 2015, 15, 4985-4992.	9.1	120
13	Linear Absorption in CdSe Nanoplates: Thickness and Lateral Size Dependency of the Intrinsic Absorption. Journal of Physical Chemistry C, 2015, 119, 20156-20161.	3.1	119
14	Cavity QED with Semiconductor Nanocrystals. Nano Letters, 2006, 6, 557-561.	9.1	103
15	CdSeâ€“CdS Nanoheteroplatelets with Efficient Photoexcitation of Central CdSe Region through Epitaxially Grown CdS Wings. Journal of the American Chemical Society, 2013, 135, 14476-14479.	13.7	103
16	Basic Principles and Current Trends in Colloidal Synthesis of Highly Luminescent Semiconductor Nanocrystals. Chemistry - A European Journal, 2013, 19, 1534-1546.	3.3	96
17	Anomalous Size-Dependent Decay of Low-Energy Luminescence from PbS Quantum Dots in Colloidal Solution. ACS Nano, 2012, 6, 8913-8921.	14.6	95
18	Recombination Dynamics of CdTe/CdS Coreâ˜Shell Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 2074-2079.	2.6	94

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19	Performance improvement strategies for quantum dot-sensitized solar cells: a review. Journal of Materials Chemistry A, 2019, 7, 2464-2489.	10.3	90
20	Surface Plasmon Mediated Interference Phenomena in Low-Q Silver Nanowire Cavities. Nano Letters, 2008, 8, 31-35.	9.1	87
21	Resonance Energy Transfer Improves the Biological Function of Bacteriorhodopsin within a Hybrid Material Built from Purple Membranes and Semiconductor Quantum Dots. Nano Letters, 2010, 10, 2640-2648.	9.1	80
22	Unidirectional Alignment of CdSe Nanorods. Nano Letters, 2003, 3, 509-512.	9.1	78
23	Excitonâ^'Plasmon Interaction in a Composite Metalâ^'Insulatorâ^'Semiconductor Nanowire System. Journal of the American Chemical Society, 2007, 129, 14939-14945.	13.7	78
24	Optically and Electrically Controlled Circularly Polarized Emission from Cholesteric Liquid Crystal Materials Doped with Semiconductor Quantum Dots. Advanced Materials, 2012, 24, 6216-6222.	21.0	78
25	Functionalized nanocrystal-tagged fluorescent polymer beads: synthesis, physicochemical characterization, and immunolabeling application. Analytical Biochemistry, 2004, 334, 257-265.	2.4	77
26	Electroabsorption by 0D, 1D, and 2D Nanocrystals: A Comparative Study of CdSe Colloidal Quantum Dots, Nanorods, and Nanoplatelets. ACS Nano, 2014, 8, 7678-7686.	14.6	75
27	A strain-induced exciton transition energy shift in CdSe nanoplatelets: the impact of an organic ligand shell. Nanoscale, 2017, 9, 18042-18053.	5.6	71
28	Colloidal Quantum Dots in All-Dielectric High-Q Pillar Microcavities. Nano Letters, 2007, 7, 2897-2900.	9.1	68
29	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:math>-State Luminescence in CdSe Nanoplatelets: Role of Lateral Confinement and a Longitudinal Optical Phonon Bottleneck. Physical Review Letters, 2016, 116, 116802.	7.8	68
30	Self-Assembly of CdSe Nanoplatelets into Stacks of Controlled Size Induced by Ligand Exchange. Journal of Physical Chemistry C, 2016, 120, 5764-5775.	3.1	64
31	Coupled-resonator optical waveguides doped with nanocrystals. Optics Letters, 2005, 30, 2116.	3.3	61
32	Time-Resolved Stark Spectroscopy in CdSe Nanoplatelets: Exciton Binding Energy, Polarizability, and Field-Dependent Radiative Rates. Nano Letters, 2016, 16, 6576-6583.	9.1	60
33	Photonic molecules doped with semiconductor nanocrystals. Physical Review B, 2004, 70, .	3.2	58
34	DNA-assisted formation of quasi-nanowires from fluorescent CdSe/ZnS nanocrystals. Nanotechnology, 2006, 17, 581-587.	2.6	57
35	Photons confined in hollow microspheres. Applied Physics Letters, 2001, 78, 1032-1034.	3.3	56
36	Colloidal synthesis and optical properties of type-II CdSeâ€“CdTe and inverted CdTeâ€“CdSe coreâ€“wing heteronanoplatelets. Nanoscale, 2015, 7, 8084-8092.	5.6	54

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37	Geometry dependence of the phonon modes in CdSe nanorods. Nanotechnology, 2009, 20, 045705.	2.6	53
38	Self-Organized, Highly Luminescent CdSe Nanorodâ˜'DNA Complexes. Journal of the American Chemical Society, 2004, 126, 10594-10597.	13.7	52
39	Experimental investigation of exciton-LO-phonon couplings in CdSe/ZnS core/shell nanorods. Physical Review B, 2008, 77, .	3.2	51
40	Efficiency of Energy Transfer from Organic Dye Molecules to CdSeâ˜'ZnS Nanocrystals: Nanorods versus Nanodots. Journal of the American Chemical Society, 2009, 131, 8061-8065.	13.7	46
41	Comparative advantages and limitations of the basic metrology methods applied to the characterization of nanomaterials. Nanoscale, 2013, 5, 8781.	5.6	44
42	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
43	Dot-in-a-dot: electronic and photonic confinement in all three dimensions. Applied Physics B: Lasers and Optics, 2003, 77, 469-484.	2.2	42
44	Temperature dependent radiative and non-radiative recombination dynamics in CdSeâ€"CdTe and CdTeâ€"CdSe type II hetero nanoplatelets. Physical Chemistry Chemical Physics, 2016, 18, 3197-3203.	2.8	41
45	Impact of Shell Growth on Recombination Dynamics and Excitonâ€"Phonon Interaction in CdSeâ€"CdS Coreâ€"Shell Nanoplatelets. ACS Nano, 2018, 12, 9476-9483.	14.6	39
46	Highly fluorescent ethyl cellulose nanoparticles containing embedded semiconductor nanocrystals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 342, 59-64.	4.7	37
47	Submicron polymer particles containing fluorescent semiconductor nanocrystals CdSe/ZnS for bioassays. Nanomedicine, 2011, 6, 195-209.	3.3	37
48	Tuning trion binding energy and oscillator strength in a laterally finite 2D system: CdSe nanoplatelets as a model system for trion properties. Nanoscale, 2020, 12, 14448-14458.	5.6	37
49	Direct Observation of the Radial Breathing Mode in CdSe Nanorods. Nano Letters, 2008, 8, 4614-4617.	9.1	36
50	Advanced procedures for labeling of antibodies with quantum dots. Analytical Biochemistry, 2011, 416, 180-185.	2.4	36
51	Mode control by nanoengineering light emitters in spherical microcavities. Applied Physics Letters, 2003, 83, 2686-2688.	3.3	35
52	Hybrid Epitaxialâ˜'Colloidal Semiconductor Nanostructures. Nano Letters, 2005, 5, 483-490.	9.1	35
53	Directed Two-Photon Absorption in CdSe Nanoplatelets Revealed by k-Space Spectroscopy. Nano Letters, 2017, 17, 6321-6329.	9.1	35
54	PbS Quantum Dots in a Porous Matrix: Optical Characterization. Journal of Physical Chemistry C, 2013, 117, 12318-12324.	3.1	34

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55	Quantum dot-containing polymer particles with thermosensitive fluorescence. Biosensors and Bioelectronics, 2013, 39, 187-193.	10.1	33
56	Energy transfer in complexes of water-soluble quantum dots and chlorin e6 molecules in different environments. Beilstein Journal of Nanotechnology, 2013, 4, 895-902.	2.8	32
57	Photons in coupled microsphere resonators. Journal of Optics, 2006, 8, S113-S121.	1.5	30
58	Improved method for fluorophore deposition atop a polyelectrolyte spacer for quantitative study of distance-dependent plasmon-assisted luminescence. Nanotechnology, 2006, 17, 5201-5206.	2.6	29
59	Comparative Efficiency of Energy Transfer from CdSeâ€“ZnS Quantum Dots or Nanorods to Organic Dye Molecules. ChemPhysChem, 2012, 13, 330-335.	2.1	29
60	Mode identification in spherical microcavities doped with quantum dots. Applied Physics Letters, 2002, 80, 3253-3255.	3.3	28
61	Size-dependence of the anharmonicities in the vibrational potential of colloidal CdSe nanocrystals. Solid State Communications, 2011, 151, 67-70.	1.9	28
62	Electrically controlled polarized photoluminescence of CdSe/ZnS nanorods embedded in a liquid crystal template. Nanotechnology, 2012, 23, 325201.	2.6	28
63	Linear and Two-Photon Absorption in Zero- and One-Dimensional CdS Nanocrystals: Influence of Size and Shape. Journal of Physical Chemistry C, 2013, 117, 25756-25760.	3.1	27
64	Hybrid heterostructures based on aromatic polyimide and semiconductor CdSe quantum dots for photovoltaic applications. Applied Physics Letters, 2013, 103, .	3.3	27
65	One- and Two-Photon Absorption in CdS Nanodots and Wires: The Role of Dimensionality in the One- and Two-Photon Luminescence Excitation Spectrum. Journal of Physical Chemistry C, 2015, 119, 1260-1267.	3.1	27
66	Effect of a dielectric substrate on whispering-gallery-mode sensors. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2361.	2.1	25
67	Effect of ZnS shell on the Raman spectra from CdSe nanorods. Physica Status Solidi - Rapid Research Letters, 2007, 1, 274-276.	2.4	25
68	Charge-controlled assembling of bacteriorhodopsin and semiconductor quantum dots for fluorescence resonance energy transfer-based nanophotonic applications. Applied Physics Letters, 2011, 98, 013703.	3.3	25
69	Bloch modes and disorder phenomena in coupled resonator chains. Physical Review B, 2007, 75, .	3.2	24
70	A comparative study demonstrates strong size tunability of carrierâ€“phonon coupling in CdSe-based 2D and 0D nanocrystals. Nanoscale, 2019, 11, 3958-3967.	5.6	24
71	Effect of dispersed CdSe/ZnS quantum dots on optical and electrical characteristics of nematic liquid crystal cells. Technical Physics Letters, 2011, 37, 1011-1014.	0.7	23
72	Optical sensing quantum dot-labeled polyacrolein particles prepared by layer-by-layer deposition technique. Journal of Colloid and Interface Science, 2011, 357, 265-272.	9.4	23

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73	Engineering of ultra-small diagnostic nanoprobes through oriented conjugation of single-domain antibodies and quantum dots. Protocol Exchange, 0, , .	0.3	23
74	Optical phonons in colloidal CdSe nanorods. Physica Status Solidi (B): Basic Research, 2010, 247, 2488-2497.	1.5	21
75	Luminescence in quantum-confined cadmium selenide nanocrystals and nanorods in external electric fields. Semiconductors, 2009, 43, 1008-1016.	0.5	20
76	Track membranes with embedded semiconductor nanocrystals: structural and optical examinations. Nanotechnology, 2011, 22, 455201.	2.6	20
77	Chemical substitution of Cd ions by Hg in CdSe nanorods and nanodots: Spectroscopic and structural examination. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 744-749.	3.5	20
78	CdS quantum dots in colloids and polymer matrices: electronic structure and photochemical properties. Journal of Crystal Growth, 1994, 138, 993-997.	1.5	19
79	Fluorescence of semiconductor nanorods in liquid-crystal composites. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 105, 306-309.	0.6	19
80	Influence of pH on luminescence from water-soluble colloidal Mn-doped ZnSe quantum dots capped with different mercaptoacids. Journal of Luminescence, 2012, 132, 425-428.	3.1	19
81	Size-dependent exciton substructure in CdSe nanoplatelets and its relation to photoluminescence dynamics. Nanoscale, 2019, 11, 12230-12241.	5.6	19
82	Measurement of the luminescence decay times of PbS quantum dots in the near-IR spectral range. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2012, 112, 868-873.	0.6	17
83	Determination of Concentration of Amphiphilic Polymer Molecules on the Surface of Encapsulated Semiconductor Nanocrystals. Langmuir, 2016, 32, 1955-1961.	3.5	17
84	Fluorescent Colloidal Particles as Detection Tools in Biotechnology Systems. , 0, , 133-168.		16
85	Multiline spectra of single CdSeâˆ•ZnS core-shell nanorods. Applied Physics Letters, 2006, 89, 263115.	3.3	15
86	Anisotropy of optical transitions in ordered ensemble of CdSe quantum rods. Optics Letters, 2013, 38, 3426.	3.3	15
87	Dissociative CdSe/ZnS quantum dot-molecule complex for luminescent sensing of metal ions in aqueous solutions. Journal of Applied Physics, 2010, 108, 074306.	2.5	14
88	Low-field magnetic circular dichroism in silver and gold colloidal nanoparticles of different sizes, shapes, and aggregation states. Proceedings of SPIE, 2012, , .	0.8	14
89	Reversible photoluminescence quenching of CdSe/ZnS quantum dots embedded in porous glass by ammonia vapor. Nanotechnology, 2013, 24, 335701.	2.6	14
90	Irreversible photochemical spectral hole burning in quantum-sized CdS nanocrystals embedded in a polymeric film. Chemical Physics Letters, 1995, 243, 450-455.	2.6	13

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91	Formation of structures based on semiconductor quantum dots and organic molecules in track pore membranes. Journal of Applied Physics, 2013, 113, 214305.	2.5	13
92	Improved fluorescent assay sensitivity using silver island films: Fluorescein isothiocyanate-labeled albumin as an example. Journal of Applied Spectroscopy, 2006, 73, 892-896.	0.7	12
93	Absorption saturation and self-action processes under resonant excitation of the basic exciton transition in CdSe/ZnS colloidal quantum dots. Physics of the Solid State, 2010, 52, 1941-1946.	0.6	12
94	Resonance energy transfer in conjugates of semiconductor nanocrystals and organic dye molecules. Journal of Nanophotonics, 2012, 6, 061705.	1.0	12
95	Highly luminescent Znâ€“Cuâ€“Inâ€“S/ZnS core/gradient shell quantum dots prepared from indium sulfide by cation exchange for cell labeling and polymer composites. Nanotechnology, 2019, 30, 395603.	2.6	12
96	Reversible Photoinduced Luminescence Modulation from Nanospheres Containing CdSe/ZnS Quantum Dots and Photochromic Diarylethene. Journal of Physical Chemistry C, 2020, 124, 27064-27070.	3.1	12
97	Effect of an electric field on photoluminescence of cadmium selenide nanocrystals. Journal of Applied Spectroscopy, 2010, 77, 120-125.	0.7	11
98	Probing the Exciton Density of States in Semiconductor Nanocrystals Using Integrated Photoluminescence Spectroscopy. Monatshefte FÃ¼r Chemie, 2002, 133, 909-918.	1.8	10
99	Size-dependent room-temperature luminescence decay from PbS quantum dots. Proceedings of SPIE, 2012, , .	0.8	10
100	Composite system based on CdSe/ZnS quantum dots and GaAs nanowires. Semiconductors, 2013, 47, 1346-1350.	0.5	10
101	Quantum Dot Emission Confined by a Spherical Photonic Dot. Physica Status Solidi (B): Basic Research, 2002, 229, 423-426.	1.5	9
102	Band Formation in Coupled-Resonator Slow-Wave Structures. Optics Express, 2007, 15, 17362.	3.4	9
103	Raman investigation of strain effects in CdSe nanorods. Physica Status Solidi (B): Basic Research, 2009, 246, 2817-2819.	1.5	9
104	Ignition and inertial confinement fusion at the National Ignition Facility. Journal of Physics: Conference Series, 2010, 244, 012006.	0.4	9
105	Multilayers of CdSe/CdS/ZnCdS Core/Wings/Shell Nanoplatelets Integrated in a Polymer Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-8.	2.9	9
106	Quasi-nanowires from fluorescent semiconductor nanocrystals on the surface of oriented DNA molecules. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2006, 100, 854-861.	0.6	8
107	Photostability of luminescent water-soluble cadmium selenide nanocrystals with chemical surface modification. Journal of Applied Spectroscopy, 2006, 73, 572-575.	0.7	8
108	Spectral study of the self-organization of quantum dots during the evaporation of colloidal solutions. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2011, 78, 699.	0.4	8

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109	Underpotential Deposition of Cadmium on Colloidal CdSe Quantum Dots: Effect of Particle Size and Surface Ligands. Journal of Physical Chemistry C, 2019, 123, 931-939.	3.1	8
110	Quenching of photoluminescence in cadmium selenide nanocrystals in external electric fields for different excitation photon energies. Journal of Applied Spectroscopy, 2012, 79, 95-103.	0.7	6
111	Cd/Hg cationic substitution in magic-sized CdSe clusters: Optical characterization and theoretical studies. Chemical Physics, 2015, 455, 32-40.	1.9	6
112	Zeta Potential-Based Control of CdSe/ZnS Quantum Dot Photoluminescence. Journal of Physical Chemistry Letters, 2022, 13, 4912-4917.	4.6	6
113	Fluorescence of CdSe/ZnS quantum dots in solid solutions in the presence of organic molecules DODCI. Journal of Luminescence, 2004, 110, 23-29.	3.1	5
114	MBE overgrowth of ex-situ prepared CdSe colloidal nanocrystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1523-1525.	0.8	5
115	Liquid-crystal composites with controlled photoluminescence of CdSe/ZnS semiconductor quantum rods. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 110, 897-902.	0.6	5
116	Formation of Ultrasmall PbS Nanocrystals in Octadecene at Mild Temperature Promoted by Alcohol or Acetone Injection. Journal of Physical Chemistry C, 2014, 118, 21104-21109.	3.1	5
117	Emitters with different dimensionality: 2D cadmium chalcogenide nanoplatelets and 0D quantum dots in non-specific cell labeling and two-photon imaging. Nanotechnology, 2020, 31, 435102.	2.6	5
118	Local electrical properties and charging/discharging of CdSe/CdS core-shell nanoplatelets. Applied Surface Science, 2020, 513, 145822.	6.1	5
119	Nonlinear spectroscopy of photocoloured polytungstic acid nanocomposites. Quantum Electronics, 1998, 28, 710-714.	1.0	4
120	ORGANIZED PLANAR NANOSTRUCTURES VIA INTERFACIAL SELF-ASSEMBLY AND DNA TEMPLATING. International Journal of Nanoscience, 2004, 03, 65-74.	0.7	4
121	Anisotropy of light absorbed by an ensemble of CdSe quantum nanoplates. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2013, 80, 642.	0.4	4
122	Anisotropy of Structure and Optical Properties of Self-Assembled and Oriented Colloidal CdSe Nanoplatelets. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1619-1630.	2.8	4
123	Oriented conjugates of monoclonal and single-domain antibodies with quantum dots for flow cytometry and immunohistochemistry diagnostic applications. , 2012, , .		3
124	Current methods of the synthesis of luminescent semiconductor nanocrystals for biomedical applications. Nanotechnologies in Russia, 2013, 8, 409-422.	0.7	3
125	Interaction of fluorescent semiconductor nanoparticles with tumor cells. Nanotechnologies in Russia, 2015, 10, 303-310.	0.7	3
126	Colloidal branched CdSe/CdS â€˜nanospidersâ€™ with 2D/1D heterostructure. Nanotechnology, 2018, 29, 395604.	2.6	3

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127	Electrostatic Repulsion Controls Efficiency of Cuâ€Free Clickâ€Reaction with Azideâ€Modified Semiconductor Quantum Dots. ChemNanoMat, 2020, 6, 292-297.	2.8	3
128	Determination of pseudo-refractive index in self-assembled ligand layers from spectral shift of surface plasmon resonances in colloidal silver nanoplates. Zeitschrift Fur Physikalische Chemie, 2021, .	2.8	3
129	Electrophoretically-Deposited CdSe Quantum Dot Films for Electrochromic Displays and Smart Windows. ACS Applied Nano Materials, 2021, 4, 6974-6984.	5.0	3
130	UV laser-induced transformation of thin evaporated CdTe films in air. Thin Solid Films, 1995, 264, 104-108.	1.8	2
131	Monomolecular polymeric films with incorporated Au101 clusters. Microelectronic Engineering, 2005, 81, 400-404.	2.4	2
132	Self Organized Grown Stranski-Krastanow II-VI Quantum Dots Vs. Colloidal Nanocrystals Integrated In Epitaxial Nanostructures. AIP Conference Proceedings, 2007, , .	0.4	2
133	Bloch modes and group velocity delay in coupled resonator chains. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3636-3646.	1.8	2
134	Molecular beacons involving highly luminescent colloidal quantum dots. Journal of Nanophotonics, 2012, 6, 060304.	1.0	2
135	Biosensing with thermosensitive fluorescent quantum dot-containing polymer particles. Proceedings of SPIE, 2012, , .	0.8	2
136	Photoinduced processes in nanocrystals of cadmium selenide in an external electric field. Journal of Applied Spectroscopy, 2012, 78, 834-841.	0.7	2
137	Photophysical properties of CdSe/ZnS quantum dotâ€“porphyrin surface complexes in aqueous media. Theoretical and Experimental Chemistry, 2012, 48, 62-71.	0.8	2
138	CdSe colloidal nanocrystals monolithically integrated in a pseudomorphic semiconductor epilayer. Journal of Applied Physics, 2013, 113, 023502.	2.5	2
139	Optical properties of two-dimensional (2D) CdSe nanostructures. , 2013, , .		2
140	Raman analysis of chemical substitution of Cd atoms by Hg in CdSe quantum dots and rods. Optical Engineering, 2016, 55, 017104.	1.0	2
141	Pseudo-refractive index and excitonic features of single layer CdSe/CdS coreâ€“shell nanoplatelet films. Nanotechnology, 2020, 31, 435708.	2.6	2
142	Synthesis and Optical Properties of In₂S₃-Hosted Colloidal Znâ€“Cuâ€“Inâ€“S Nanoplatelets. ACS Omega, 2021, 6, 18939-18947.	3.5	2
143	Electrostatic Deposition Kinetics of Colloidal Silver Nanoplates onto Optically and E-Beam Transparent Water-Insoluble Polycationic Films. Journal of Physical Chemistry C, 2021, 125, 17870-17880.	3.1	2
144	Anisotropic absorption of CdSe/ZnS quantum rods embedded in polymer film. Advances in Nano Research, 2013, 1, 153-158.	0.9	2

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145	Poly(maleic anhydride) Shell Modified with Negatively and Positively Charged Groups to Control Zeta Potential and Hydrodynamic Size of Encapsulated Quantum Dots at Variable pH. ChemNanoMat, 2022, 8, .	2.8	2
146	Nonlinear optical properties of oxidised CuS nanocrystals. Quantum Electronics, 1997, 27, 722-726.	1.0	1
147	<title>Laser induced luminescence of dense films of CdSe/ZnS nanoparticles</title>. , 2007, , .		1
148	A film luminescent nanosensor based on a quantum dotâ€"organic molecule complex. Nanotechnologies in Russia, 2010, 5, 49-57.	0.7	1
149	Excitonic properties of single CdSe nanowires and coupling to plasmonic nanocavities. Physica Status Solidi (B): Basic Research, 2010, 247, 2498-2508.	1.5	1
150	Engineering of hybrid heterostructures from organic semiconductors and quantum dots for advanced photovoltaic applications. , 2012, , .		1
151	Optical properties and aging of PbS quantum dots embedded in a porous matrix. Proceedings of SPIE, 2013, , .	0.8	1
152	Analysis of structural and chemical features of CdHgSe nanocrystals via resonance Raman spectroscopy. Proceedings of SPIE, 2014, , .	0.8	1
153	OPTICAL PROPERTIES OF CADMIUM SELENIDE NANOCRYSTALS WITH CADMIUM SUBSTITUTION BY MERCURY. , 2011, , .		1
154	WATER SOLUBLE QUANTUM DOTS ENCAPSULATED IN AMPHIPHILIC POLYMER FOR IN VITRO CELL LABELING. , 2015, , 451-453.		1
155	Nanoscale modification of thin film surfaces by voltage pulses in STM. Microelectronic Engineering, 1995, 27, 109-112.	2.4	0
156	Nonlinear spectroscopy of oxidised CuInS2nanocrystals. Quantum Electronics, 1998, 28, 69-72.	1.0	0
157	Electrons and photons in mesoscopic structures: quantum dots in a photonic crystal and in a microcavity. , 1999, , .		0
158	Photons confined in 3D-microcavities doped with quantum dots. , 0, , .		0
159	Electro-absorption of an ensemble of close-packed CdSe quantum dots. , 2002, , .		0
160	Optical properties of quantum dots in photonic dots. , 2002, 4808, 136.		0
161	Nanocrystal-doped polymer spheres as building blocks for coupled resonator optical waveguides. , 2005, , .		0
162	CQED with semiconductor nanocrystals. , 2006, , .		0

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163	Extended and localized photon states in 1D-coupled resonators. , 2006, , .		0
164	Colloidal quantum dots in high-Q pillar microcavities. , 2007, , .		0
165	CdSe quantum dots in single plasmonic nanocavities. , 2007, , .		0
166	Colloidal Quantum Dots in High-Q Pillar Microcavities. , 2007, , .		0
167	Laser induced photoprocesses in solid thin films of CdSe/ZnS nanoparticles. , 2007, , .		0
168	<title>Anti-Stokes photoluminescence of CdSe/ZnS nanoparticles in solution and condensed phase</title>. , 2007, , .		0
169	Production of colloidal nanostructures for optical and spectral-analytic applications. Journal of Applied Spectroscopy, 2011, 78, 81-86.	0.7	0
170	Improving carrier injection in colloidal CdSe nanocrystals by embedding them in a pseudomorphic ZnSe/ZnMgSe quantum well structure. Nanotechnology, 2013, 24, 435202.	2.6	0
171	Optical Properties of Semiconductor Colloidal Quantum Wells. NATO Science for Peace and Security Series B: Physics and Biophysics, 2016, , 211-225.	0.3	0
172	Water-Soluble Cadmium Selenide Quantum Dots with Controlled Surface Charge. International Journal of Nanoscience, 2019, 18, 1940051.	0.7	0
173	Spectroscopy of single CdSe nanorods. , 2004, , .		0
174	Photonic molecules doped with quantum dots. , 2004, , .		0
175	ELECTROMODULATION OF PHOTOLUMINESCENCE FROM CdSe NANORODS FILM. , 2007, , .		0
176	LUMINESCENCE SPECTRA OF WATER-SOLUBLE CdSe NANOCRYSTALS UNDER A PROLONGED LASER IRRADIATION. , 2007, , .		0
177	Directed Two Photon Absorption and Quadratic Volume Scaling in Semiconductor Nanoplatelets. , 2019, , .		0
178	Influence of calcium ions on physical chemical characteristics of semiconductor quantum dots encapsulated by amphiphilic polymer and their efficiency of cellular uptake. Journal of the Belarusian State University Chemistry, 2020, , 3-16.	0.1	0
179	High efficiency polymer solar cells sensitized by red-emitting ZnCuInS nanoplatelets. Journal of Materials Research and Technology, 2022, 19, 2623-2632.	5.8	0
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