

# Celso de Mello Donega

## List of Publications by Year in descending order

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150  
papers

11,120  
citations

31902

53  
h-index

30010

103  
g-index

159  
all docs

159  
docs citations

159  
times ranked

12452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and properties of colloidal heteronanocrystals. <i>Chemical Society Reviews</i> , 2011, 40, 1512-1546.	18.7	611
2	Highly Emissive Divalent-Ion-Doped Colloidal CsPb <sub>1-x</sub> M <sub>x</sub> Br <sub>3</sub> Perovskite Nanocrystals through Cation Exchange. <i>Journal of the American Chemical Society</i> , 2017, 139, 4087-4097.	6.6	590
3	Quantum Dots with a Paramagnetic Coating as a Bimodal Molecular Imaging Probe. <i>Nano Letters</i> , 2006, 6, 1-6.	4.5	477
4	Influence of Thiol Capping on the Exciton Luminescence and Decay Kinetics of CdTe and CdSe Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17393-17397.	1.2	474
5	Physicochemical Evaluation of the Hot-Injection Method, a Synthesis Route for Monodisperse Nanocrystals. <i>Small</i> , 2005, 1, 1152-1162.	5.2	438
6	Highly Luminescent Water-Soluble CdTe Quantum Dots. <i>Nano Letters</i> , 2003, 3, 503-507.	4.5	423
7	Photooxidation and Photobleaching of Single CdSe/ZnS Quantum Dots Probed by Room-Temperature Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8281-8284.	1.2	368
8	Single-Step Synthesis to Control the Photoluminescence Quantum Yield and Size Dispersion of CdSe Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2003, 107, 489-496.	1.2	346
9	High-Temperature Luminescence Quenching of Colloidal Quantum Dots. <i>ACS Nano</i> , 2012, 6, 9058-9067.	7.3	310
10	Size- and temperature-dependence of exciton lifetimes in CdSe quantum dots. <i>Physical Review B</i> , 2006, 74, .	1.1	309
11	On the Incorporation Mechanism of Hydrophobic Quantum Dots in Silica Spheres by a Reverse Microemulsion Method. <i>Chemistry of Materials</i> , 2008, 20, 2503-2512.	3.2	297
12	Electronic Coupling and Exciton Energy Transfer in CdTe Quantum-Dot Molecules. <i>Journal of the American Chemical Society</i> , 2006, 128, 10436-10441.	6.6	226
13	Direct Observation of Electron-to-Hole Energy Transfer in CdSe Quantum Dots. <i>Physical Review Letters</i> , 2006, 96, 057408.	2.9	197
14	Size Dependence of the Spontaneous Emission Rate and Absorption Cross Section of CdSe and CdTe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6511-6520.	1.5	181
15	Highly Luminescent CdTe/CdSe Colloidal Heteronanocrystals with Temperature-Dependent Emission Color. <i>Journal of the American Chemical Society</i> , 2007, 129, 14880-14886.	6.6	167
16	Tailoring ZnSe/CdSe Colloidal Quantum Dots via Cation Exchange: From Core/Shell to Alloy Nanocrystals. <i>ACS Nano</i> , 2013, 7, 7913-7930.	7.3	161
17	Luminescence Temperature Antiquenching of Water-Soluble CdTe Quantum Dots: A Role of the Solvent. <i>Journal of the American Chemical Society</i> , 2004, 126, 10397-10402.	6.6	143
18	Paramagnetic Lipid-Coated Silica Nanoparticles with a Fluorescent Quantum Dot Core: A New Contrast Agent Platform for Multimodality Imaging. <i>Bioconjugate Chemistry</i> , 2008, 19, 2471-2479.	1.8	143

#	ARTICLE	IF	CITATIONS
19	Temperature Antiquenching of the Luminescence from Capped CdSe Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3029-3033.	7.2	135
20	Tackling self-absorption in luminescent solar concentrators with type-II colloidal quantum dots. <i>Solar Energy Materials and Solar Cells</i> , 2013, 111, 57-65.	3.0	133
21	Prospects of Colloidal Copper Chalcogenide Nanocrystals. <i>ChemPhysChem</i> , 2016, 17, 559-581.	1.0	131
22	Luminescent CuInS <sub>2</sub> Quantum Dots by Partial Cation Exchange in Cu <sub>2</sub> S Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 621-628.	3.2	127
23	Local-field effects on the spontaneous emission rate of CdTe and CdSe quantum dots in dielectric media. <i>Journal of Chemical Physics</i> , 2004, 121, 4310-4315.	1.2	123
24	Size-Dependent Band-Gap and Molar Absorption Coefficients of Colloidal CuInS <sub>2</sub> Quantum Dots. <i>ACS Nano</i> , 2018, 12, 8350-8361.	7.3	122
25	Optoelectronic Properties of Ternary InGaV <sub>2</sub> Semiconductor Nanocrystals: Bright Prospects with Elusive Origins. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1600-1616.	2.1	122
26	Radiative and Nonradiative Recombination in CuInS <sub>2</sub> Nanocrystals and CuInS <sub>2</sub> -Based Core/Shell Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3503-3509.	2.1	119
27	Size and Band-Gap Dependences of the First Hyperpolarizability of CdxZn1-xS Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5325-5334.	1.2	115
28	Probing the Wave Function of Shallow Li and Na Donors in ZnO Nanoparticles. <i>Physical Review Letters</i> , 2004, 92, 047603.	2.9	112
29	Time-Dependent Photoluminescence Spectroscopy as a Tool to Measure the Ligand Exchange Kinetics on a Quantum Dot Surface. <i>ACS Nano</i> , 2008, 2, 1703-1714.	7.3	108
30	Near-Infrared Emitting CuInSe <sub>2</sub> /CuInS <sub>2</sub> Dot Core/Rod Shell Heteronanorods by Sequential Cation Exchange. <i>ACS Nano</i> , 2015, 9, 11430-11438.	7.3	104
31	Nuclear Magnetic Resonance Spectroscopy Demonstrating Dynamic Stabilization of CdSe Quantum Dots by Alkylamines. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2577-2581.	2.1	102
32	Highly luminescent europium(III) complexes with naphthyltrifluoroacetone and dimethyl sulphoxide. <i>Molecular Physics</i> , 2003, 101, 1037-1045.	0.8	98
33	Highly Luminescent Water-Dispersible NIR-Emitting Wurtzite CuInS <sub>2</sub> /ZnS Core/Shell Colloidal Quantum Dots. <i>Chemistry of Materials</i> , 2017, 29, 4940-4951.	3.2	92
34	Universal Role of Discrete Acoustic Phonons in the Low-Temperature Optical Emission of Colloidal Quantum Dots. <i>Physical Review Letters</i> , 2009, 102, 177402.	2.9	87
35	Interplay between Surface Chemistry, Precursor Reactivity, and Temperature Determines Outcome of ZnS Shelling Reactions on CuInS <sub>2</sub> Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 2400-2413.	3.2	85
36	The Different Nature of Band Edge Absorption and Emission in Colloidal PbSe/CdSe Core/Shell Quantum Dots. <i>ACS Nano</i> , 2011, 5, 58-66.	7.3	84

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37	Formation of nanoscale spatially indirect excitons: Evolution of the type-II optical character of CdTe/CdSe heteronanocrystals. <i>Physical Review B</i> , 2010, 81, .	1.1	81
38	Optical Properties of Mn-Doped ZnTe Magic Size Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1663-1667.	2.1	78
39	Self-Assembly of Colloidal Hexagonal Bipyramid- and Bifrustum-Shaped ZnS Nanocrystals into Two-Dimensional Superstructures. <i>Nano Letters</i> , 2014, 14, 1032-1037.	4.5	78
40	Differences in Cross-Link Chemistry between Rigid and Flexible Dithiol Molecules Revealed by Optical Studies of CdTe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11208-11215.	1.5	77
41	Temperature-Dependent Energy Transfer in Cadmium Telluride Quantum Dot Solids. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5504-5508.	1.2	76
42	Solution-Processable Ultrathin Size- and Shape-Controlled Colloidal Cu <sub>2</sub> S Nanosheets. <i>Chemistry of Materials</i> , 2015, 27, 283-291.	3.2	76
43	Ultrafast Exciton Dynamics in CdSe Quantum Dots Studied from Bleaching Recovery and Fluorescence Transients. <i>Journal of Physical Chemistry B</i> , 2006, 110, 733-737.	1.2	74
44	Semiconductor Nanorod Self-Assembly at the Liquid/Air Interface Studied by in Situ GISAXS and ex Situ TEM. <i>Nano Letters</i> , 2012, 12, 5515-5523.	4.5	71
45	Lanthanide-Doped CaS and SrS Luminescent Nanocrystals: A Single-Source Precursor Approach for Doping. <i>Journal of the American Chemical Society</i> , 2014, 136, 16533-16543.	6.6	71
46	Quantum Dot and Cy5.5 Labeled Nanoparticles to Investigate Lipoprotein Biointeractions via Förster Resonance Energy Transfer. <i>Nano Letters</i> , 2010, 10, 5131-5138.	4.5	70
47	Excited-State Dynamics in Colloidal Semiconductor Nanocrystals. <i>Topics in Current Chemistry</i> , 2016, 374, 58.	3.0	69
48	Optical Properties of PbS/CdS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20171-20177.	1.5	68
49	Luminescence and scintillation properties of the small band gap compound LaI <sub>3</sub> :Ce <sup>3+</sup> . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 537, 22-26.	0.7	66
50	Photoluminescence properties of Co <sup>2+</sup> -doped ZnO nanocrystals. <i>Journal of Luminescence</i> , 2006, 118, 245-250.	1.5	65
51	Near-Infrared Fluorescence Energy Transfer Imaging of Nanoparticle Accumulation and Dissociation Kinetics in Tumor-Bearing Mice. <i>ACS Nano</i> , 2013, 7, 10362-10370.	7.3	60
52	Ultrathin One- and Two-Dimensional Colloidal Semiconductor Nanocrystals: Pushing Quantum Confinement to the Limit. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4077-4090.	2.1	58
53	Size Effects on Semiconductor Nanoparticles. , 2014, , 13-51.		57
54	Substituted 4,4'-Stilbenoid NCN-Pincer Platinum(II) Complexes. Luminescence and Tuning of the Electronic and NLO Properties and the Application in an OLED. <i>Organometallics</i> , 2008, 27, 1690-1701.	1.1	56

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55	Compensation of self-absorption losses in luminescent solar concentrators by increasing luminophore concentration. <i>Solar Energy Materials and Solar Cells</i> , 2017, 167, 133-139.	3.0	53
56	Probing the Influence of Disorder on Lanthanide Luminescence Using Eu-Doped LaPO <sub>4</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19373-19382.	1.5	51
57	Analysis of the radiative lifetime of Pr <sup>3+</sup> d-f emission. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	50
58	Synthesis of Highly Luminescent Silica-Coated CdSe/CdS Nanorods. <i>Chemistry of Materials</i> , 2013, 25, 3427-3434.	3.2	49
59	Experimental and theoretical study of ligand field, 4f <sup>6</sup> 4f intensities and emission quantum yield in the compound Eu(bpyO <sub>2</sub> ) <sub>4</sub> (ClO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 654-660.	2.8	47
60	Spectroscopic Studies of Electron Injection in Quantum Dot Sensitized Mesoporous Oxide Films. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18866-18873.	1.5	47
61	Thermally induced atomic reconstruction of PbSe/CdSe core/shell quantum dots into PbSe/CdSe bi-hemisphere hetero-nanocrystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 11556.	6.7	47
62	Conformal and Atomic Characterization of Ultrathin CdSe Platelets with a Helical Shape. <i>Nano Letters</i> , 2014, 14, 6257-6262.	4.5	46
63	Shallow Donors in Semiconductor Nanoparticles: Limit of the Effective Mass Approximation. <i>Physical Review Letters</i> , 2005, 94, 097602.	2.9	45
64	Highly Luminescent (Zn,Cd)Te/CdSe Colloidal Heteronanowires with Tunable Electron-Hole Overlap. <i>Nano Letters</i> , 2012, 12, 749-757.	4.5	45
65	Near-Infrared-Emitting CuInS <sub>2</sub> /ZnS Dot-in-Rod Colloidal Heteronanorods by Seeded Growth. <i>Journal of the American Chemical Society</i> , 2018, 140, 5755-5763.	6.6	45
66	Observation of the Full Exciton and Phonon Fine Structure in CdSe/CdS Dot-in-Rod Heteronanocrystals. <i>ACS Nano</i> , 2014, 8, 5921-5931.	7.3	43
67	Exciton Fine Structure and Lattice Dynamics in InP/ZnSe Core/Shell Quantum Dots. <i>ACS Photonics</i> , 2018, 5, 3353-3362.	3.2	42
68	High-Frequency EPR and ENDOR Spectroscopy on Semiconductor Quantum Dots. <i>Applied Magnetic Resonance</i> , 2010, 39, 151-183.	0.6	39
69	Growth and Stability of ZnTe Magic-Size Nanocrystals. <i>Small</i> , 2011, 7, 1247-1256.	5.2	39
70	Silica-supported Cu <sub>2</sub> O nanoparticles with tunable size for sustainable hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 199-207.	10.8	38
71	Water-Dispersible Copper Sulfide Nanocrystals via Ligand Exchange of 1-Dodecanethiol. <i>Chemistry of Materials</i> , 2019, 31, 541-552.	3.2	37
72	Unravelling the Size and Temperature Dependence of Exciton Lifetimes in Colloidal ZnSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23313-23319.	1.5	36

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73	Extended Nucleation and Superfocusing in Colloidal Semiconductor Nanocrystal Synthesis. Nano Letters, 2021, 21, 2487-2496.	4.5	36
74	A structural model of La <sub>2</sub> O <sub>3</sub> -Nb <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> glasses based upon infrared and luminescence spectroscopy and quantum chemical calculations. Journal of Non-Crystalline Solids, 2005, 351, 3121-3126.	1.5	35
75	Side Chain Mediated Electronic Contact between a Tetrahydro-4H-thiopyran-4-ylidene-Appended Polythiophene and CdTe Quantum Dots. Chemistry - A European Journal, 2006, 12, 8075-8083.	1.7	34
76	Fröhlich interaction dominated by a single phonon mode in CsPbBr <sub>3</sub> . Nature Communications, 2021, 12, 5844.	5.8	34
77	Enhanced Exciton-Phonon Coupling in Colloidal Type-II CdTe-CdSe Heteronanocrystals. Journal of Physical Chemistry C, 2012, 116, 16240-16250.	1.5	33
78	Oleic Acid-Induced Atomic Alignment of ZnS Polyhedral Nanocrystals. Nano Letters, 2016, 16, 2608-2614.	4.5	33
79	Luminescent and Electronic Properties of Stilbenoid NCN-Pincer PtII Compounds. European Journal of Inorganic Chemistry, 2007, 2007, 1422-1435.	1.0	32
80	Donor-acceptor pairs in the confined structure of ZnO nanocrystals. Physical Review B, 2006, 74, .	1.1	30
81	Exciton lifetimes of CdTe nanocrystal quantum dots in high magnetic fields. Physical Review B, 2011, 83, .	1.1	30
82	Two-Fold Emission From the Shell of PbSe/CdSe Core/Shell Quantum Dots. Small, 2011, 7, 3493-3501.	5.2	30
83	Size Dependence of the Exciton Transitions in Colloidal CdTe Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 23160-23167.	1.5	30
84	Enhanced luminescence of Ag nanoclusters via surface modification. Nanotechnology, 2013, 24, 075703.	1.3	30
85	Atomic Structure of Wurtzite CdSe (Core)/CdS (Giant Shell) Nanobullets Related to Epitaxy and Growth. Journal of the American Chemical Society, 2016, 138, 14288-14293.	6.6	30
86	Unusual Spectral Diffusion of Single CuInS <sub>2</sub> Quantum Dots Sheds Light on the Mechanism of Radiative Decay. Nano Letters, 2021, 21, 658-665.	4.5	30
87	Shape Control of Colloidal Cu <sub>2</sub> S Polyhedral Nanocrystals by Tuning the Nucleation Rates. Chemistry of Materials, 2016, 28, 6705-6715.	3.2	29
88	In Situ Probing of Stack-Templated Growth of Ultrathin Cu <sub>2</sub> S Nanosheets. Chemistry of Materials, 2016, 28, 6381-6389.	3.2	29
89	Effect of Electron-Hole Overlap and Exchange Interaction on Exciton Radiative Lifetimes of CdTe/CdSe Heteronanocrystals. ACS Nano, 2016, 10, 4102-4110.	7.3	29
90	Luminescence and energy transfer in La <sub>2</sub> O <sub>3</sub> -Nb <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> :M <sup>3+</sup> (M=Bi, Eu, Dy) glasses. Journal of Luminescence, 2003, 105, 97-103.	1.5	28

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91	Efficient energy transfer between nanocrystalline YAG:Ce and TRITC. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1633-1636.	1.3	28
92	Non-blinking single-photon emitters in silica. <i>Scientific Reports</i> , 2016, 6, 21187.	1.6	28
93	Tailoring Cu <sup>+</sup> for Ga <sup>3+</sup> Cation Exchange in Cu <sub>2</sub> S and CuInS <sub>2</sub> Nanocrystals by Controlling the Ga Precursor Chemistry. <i>ACS Nano</i> , 2019, 13, 12880-12893.	7.3	28
94	Luminescent Colloidal InSb Quantum Dots from <i>In Situ</i> Generated Single-Source Precursor. <i>ACS Nano</i> , 2020, 14, 13146-13160.	7.3	28
95	Anisotropic 2D Cu <sub>2</sub> Se Nanocrystals from Dodecaneselenol and Their Conversion to CdSe and CuInSe <sub>2</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2018, 30, 3836-3846.	3.2	25
96	Self-Assembled CdSe/CdS Nanorod Sheets Studied in the Bulk Suspension by Magnetic Alignment. <i>ACS Nano</i> , 2014, 8, 10486-10495.	7.3	22
97	Formation of Colloidal Copper Indium Sulfide Nanosheets by Two-Dimensional Self-Organization. <i>Chemistry of Materials</i> , 2017, 29, 10551-10560.	3.2	22
98	Theoretical and experimental photophysical studies of the tris(4,4,4-trifluoro-1-(1-naphthyl)-1,3-butanedionate) (2,2'-bipyridyl)-europium(III). <i>Journal of Luminescence</i> , 2006, 118, 83-90.	1.5	21
99	$Zn^{67}$ and $H^{1}$ $\mu$ SR Studies of $Zn^{67}$ and $H^{1}$ in $Zn^{67}$ and $H^{1}$ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3985-3993.	1.5	19
100	The Role of a Phonon Bottleneck in Relaxation Processes for Ln-Doped NaYF <sub>4</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3985-3993.	1.5	19
101	Luminescence properties of lanthanide doped alkaline earth chlorides under (V)UV and X-ray excitation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4445-4451.	2.8	18
102	Fine Structure of Nearly Isotropic Bright Excitons in InP/ZnSe Colloidal Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5468-5475.	2.1	18
103	First Resonance Energy Transfer between Colloidal CuInS <sub>2</sub> /ZnS Quantum Dots and Dark Quenchers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1717-1731.	1.5	18
104	High-frequency EPR and ENDOR spectroscopy on semiconductor nanocrystals. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S140-S144.	1.1	17
105	Method To Incorporate Anisotropic Semiconductor Nanocrystals of All Shapes in an Ultrathin and Uniform Silica Shell. <i>Chemistry of Materials</i> , 2014, 26, 1905-1911.	3.2	17
106	Optical Spectroscopy of Dark and Bright Excitons in CdSe Nanocrystals in High Magnetic Fields. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23693-23704.	1.5	17
107	Magic-Size Semiconductor Nanostructures: Where Does the Magic Come from?. <i>ACS Materials Au</i> , 2022, 2, 237-249.	2.6	17
108	Luminescent salt. <i>Journal of Luminescence</i> , 2009, 129, 1535-1537.	1.5	16

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109	Fast f emission in Ce <sup>3+</sup> , Pr <sup>3+</sup> and Nd <sup>3+</sup> activated RbCl. <i>Optical Materials</i> , 2011, 33, 347-354.	1.7	16
110	Loosening Quantum Confinement: Observation of Real Conductivity Caused by Hole Polarons in Semiconductor Nanocrystals Smaller than the Bohr Radius. <i>Nano Letters</i> , 2012, 12, 4937-4942.	4.5	16
111	Copper sulfide derived nanoparticles supported on carbon for the electrochemical reduction of carbon dioxide. <i>Catalysis Today</i> , 2021, 377, 157-165.	2.2	16
112	Single-source precursor synthesis of colloidal CaS and SrS nanocrystals. <i>Materials Letters</i> , 2012, 80, 75-77.	1.3	14
113	Supramolecular Dendriphores: Anionic Organometallic Phosphors Embedded in Polycationic Dendritic Species. <i>Organometallics</i> , 2009, 28, 1082-1092.	1.1	12
114	Analysis of the shift of zero-phonon lines for f-d luminescence of lanthanides in relation to the Dorenbos model. <i>Journal of Luminescence</i> , 2013, 134, 174-179.	1.5	12
115	Seeded Growth Combined with Cation Exchange for the Synthesis of Anisotropic Cu <sub>2</sub> S/ZnS, Cu <sub>2</sub> S, and CuInS <sub>2</sub> Nanorods. <i>Chemistry of Materials</i> , 2021, 33, 102-116.	3.2	12
116	Synthesis and Formation Mechanism of Colloidal Janus-Type Cu <sub>2</sub> S/CuInS <sub>2</sub> Heteronanorods via Seeded Injection. <i>ACS Nano</i> , 2021, 15, 9987-9999.	7.3	11
117	Influence of cell internalization on relaxometric, optical and compositional properties of targeted paramagnetic quantum dot micelles. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 100-109.	0.4	10
118	Probing Lipid Coating Dynamics of Quantum Dot Core Micelles via Förster Resonance Energy Transfer. <i>Small</i> , 2014, 10, 1163-1170.	5.2	10
119	Should Anisotropic Emission or Reabsorption of Nanoparticle Luminophores Be Optimized for Increasing Luminescent Solar Concentrator Efficiency?. <i>Solar Rrl</i> , 2020, 4, 2000279.	3.1	10
120	Exciton-phonon coupling in InP quantum dots with ZnS and (Zn,Cd)Se shells. <i>Physical Review B</i> , 2020, 101, .	1.1	10
121	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. <i>ACS Nano</i> , 2021, , .	7.3	10
122	In Situ Optical and X-ray Spectroscopy Reveals Evolution toward Mature CdSe Nanoplatelets by Synergetic Action of Myristate and Acetate Ligands. <i>Journal of the American Chemical Society</i> , 2022, 144, 8096-8105.	6.6	9
123	Giant change in the intensity of tunneling afterglow in excited ZnO quantum dots induced by the spin reorientation of electron-hole pairs in static and microwave magnetic fields. <i>JETP Letters</i> , 2006, 84, 400-403.	0.4	8
124	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. <i>ACS Nano</i> , 2019, 13, 10201-10209.	7.3	8
125	The Nanoscience Paradigm: "Size Matters!", 2014, , 1-12.		8
126	Exploration of parameters influencing the self-absorption losses in luminescent solar concentrators with an experimentally validated combined ray-tracing/Monte-Carlo model. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7



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127	High-frequency EPR, ESE, and ENDOR spectroscopy of Co- and Mn-doped ZnO quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, n/a-n/a.	0.7	5
128	Luminescence of Lu <sub>2</sub> O <sub>3</sub> :Tm <sup>3+</sup> nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2001, 667, 1.	0.1	4
129	The Challenge of Colloidal Nanoparticle Synthesis. , 2014, , 145-189.		4
130	Incorporation of Ln-Doped LaPO <sub>4</sub> Nanocrystals as Luminescent Markers in Silica Nanoparticles. <i>Nanoscale Research Letters</i> , 2016, 11, 261.	3.1	4
131	Octupolar organometallic Pt(II) NCN-pincer complexes; Synthesis, electronic, photophysical, and NLO properties. <i>Journal of Organometallic Chemistry</i> , 2018, 867, 246-252.	0.8	4
132	Lanthanide Cryptates Entrapment in Aluminum Polyphosphate Gels. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 262-274.	0.4	3
133	Dynamical nuclear polarization and confinement effects in ZnO quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 1476-1479.	0.7	3
134	Electronic Structure of ZnO Quantum Dots Studied by High-Frequency EPR, ESE, ENDOR and ODMR Spectroscopy. <i>Materials Today: Proceedings</i> , 2016, 3, 816-824.	0.9	3
135	An ab initio cluster-in-lattice model for the luminescence of K <sub>2</sub> NbOF <sub>5</sub> crystal. <i>Computational Materials Science</i> , 2006, 38, 410-417.	1.4	2
136	Optimizing Quantum Dot Solar Concentrators with Thin Film Solar Cells. <i>Advances in Science and Technology</i> , 2010, 74, 176-181.	0.2	2
137	Controlled emission and coupling of small-size YAG:Ce <sup>3+</sup> nanocrystals to gold nanowire. <i>Journal of Applied Physics</i> , 2015, 118, 123105.	1.1	2
138	Prospects of Colloidal Copper Chalcogenide Nanocrystals. <i>ChemPhysChem</i> , 2016, 17, 552-552.	1.0	2
139	Single-Step Synthesis to Control the Photoluminescence Quantum Yield and Size Dispersion of CdSe Nanocrystals.. <i>ChemInform</i> , 2003, 34, no.	0.1	1
140	Dynamical nuclear polarization by means of shallow donors in ZnO quantum dots. <i>Physica B: Condensed Matter</i> , 2009, 404, 4779-4782.	1.3	1
141	Tackling self-absorption in luminescent solar concentrators with type-II colloidal quantum dots. , 2012, , .		1
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