Celso de Mello Donega

List of Publications by Year
in descending order

150 papers	11,120 citations	31949 53 h-index	30058 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. Chemical Society Reviews, 2011, 40, 1512-1546.	18.7	611
2	Highly Emissive Divalent-Ion-Doped Colloidal CsPb_{1â€“<i>x</i>}M_{<i>x</i>}Br₃ Perovskite Nanocrystals through Cation Exchange. Journal of the American Chemical Society, 2017, 139, 4087-4097.	6.6	590
3	Quantum Dots with a Paramagnetic Coating as a Bimodal Molecular Imaging Probe. Nano Letters, 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. Journal of Physical Chemistry B, 2004, 108, 17393-17397.	1.2	474
5	Physicochemical Evaluation of the Hot-Injection Method, a Synthesis Route for Monodisperse Nanocrystals. Small, 2005, 1, 1152-1162.	5.2	438
6	Highly Luminescent Water-Soluble CdTe Quantum Dots. Nano Letters, 2003, 3, 503-507.	4.5	423
7	Photooxidation and Photobleaching of Single CdSe/ZnS Quantum Dots Probed by Room-Temperature Time-Resolved Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 8281-8284.	1.2	368
8	Single-Step Synthesis to Control the Photoluminescence Quantum Yield and Size Dispersion of CdSe Nanocrystals. Journal of Physical Chemistry B, 2003, 107, 489-496.	1.2	346
9	High-Temperature Luminescence Quenching of Colloidal Quantum Dots. ACS Nano, 2012, 6, 9058-9067.	7.3	310
10	Size- and temperature-dependence of exciton lifetimes in CdSe quantum dots. Physical Review B, 2006, 74, .	1.1	309
11	On the Incorporation Mechanism of Hydrophobic Quantum Dots in Silica Spheres by a Reverse Microemulsion Method. Chemistry of Materials, 2008, 20, 2503-2512.	3.2	297
12	Electronic Coupling and Exciton Energy Transfer in CdTe Quantum-Dot Molecules. Journal of the American Chemical Society, 2006, 128, 10436-10441.	6.6	226
13	Direct Observation of Electron-to-Hole Energy Transfer in CdSe Quantum Dots. Physical Review Letters, 2006, 96, 057408.	2.9	197
14	Size Dependence of the Spontaneous Emission Rate and Absorption Cross Section of CdSe and CdTe Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 6511-6520.	1.5	181
15	Highly Luminescent CdTe/CdSe Colloidal Heteronanocrystals with Temperature-Dependent Emission Color. Journal of the American Chemical Society, 2007, 129, 14880-14886.	6.6	167
16	Tailoring ZnSeâ€“CdSe Colloidal Quantum Dots <i>via</i> Cation Exchange: From Core/Shell to Alloy Nanocrystals. ACS Nano, 2013, 7, 7913-7930.	7.3	161
17	Luminescence Temperature Antiquenching of Water-Soluble CdTe Quantum Dots:Â Role of the Solvent. Journal of the American Chemical Society, 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. Bioconjugate Chemistry, 2008, 19, 2471-2479.	1.8	143

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19	Temperature Antiquenching of the Luminescence from Capped CdSe Quantum Dots. Angewandte Chemie - International Edition, 2004, 43, 3029-3033.	7.2	135
20	Tackling self-absorption in luminescent solar concentrators with type-II colloidal quantum dots. Solar Energy Materials and Solar Cells, 2013, 111, 57-65.	3.0	133
21	Prospects of Colloidal Copper Chalcogenide Nanocrystals. ChemPhysChem, 2016, 17, 559-581.	1.0	131
22	Luminescent CuInS₂ Quantum Dots by Partial Cation Exchange in Cu_{2â€“<i>x</i>}S Nanocrystals. Chemistry of Materials, 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. Journal of Chemical Physics, 2004, 121, 4310-4315.	1.2	123
24	Size-Dependent Band-Gap and Molar Absorption Coefficients of Colloidal CuInS₂ Quantum Dots. ACS Nano, 2018, 12, 8350-8361.	7.3	122
25	Optoelectronic Properties of Ternary Iâ€“IIIâ€“VI₂ Semiconductor Nanocrystals: Bright Prospects with Elusive Origins. Journal of Physical Chemistry Letters, 2019, 10, 1600-1616.	2.1	122
26	Radiative and Nonradiative Recombination in CuInS₂ Nanocrystals and CuInS₂-Based Core/Shell Nanocrystals. Journal of Physical Chemistry Letters, 2016, 7, 3503-3509.	2.1	119
27	Size and Band-Gap Dependences of the First Hyperpolarizability of CdxZn1-xS Nanocrystals. Journal of Physical Chemistry B, 2002, 106, 5325-5334.	1.2	115
28	Probing the Wave Function of Shallow Li and Na Donors in ZnO Nanoparticles. Physical Review Letters, 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. ACS Nano, 2008, 2, 1703-1714.	7.3	108
30	Near-Infrared Emitting CuInSe₂/CuInS₂ Dot Core/Rod Shell Heteronanorods by Sequential Cation Exchange. ACS Nano, 2015, 9, 11430-11438.	7.3	104
31	Nuclear Magnetic Resonance Spectroscopy Demonstrating Dynamic Stabilization of CdSe Quantum Dots by Alkylamines. Journal of Physical Chemistry Letters, 2010, 1, 2577-2581.	2.1	102
32	Highly luminescent europium(III) complexes with naphtoiltrifluoroacetone and dimethyl sulphoxide. Molecular Physics, 2003, 101, 1037-1045.	0.8	98
33	Highly Luminescent Water-Dispersible NIR-Emitting Wurtzite CuInS₂/ZnS Core/Shell Colloidal Quantum Dots. Chemistry of Materials, 2017, 29, 4940-4951.	3.2	92
34	Universal Role of Discrete Acoustic Phonons in the Low-Temperature Optical Emission of Colloidal Quantum Dots. Physical Review Letters, 2009, 102, 177402.	2.9	87
35	Interplay between Surface Chemistry, Precursor Reactivity, and Temperature Determines Outcome of ZnS Shelling Reactions on CuInS₂ Nanocrystals. Chemistry of Materials, 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. ACS Nano, 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. Physical Review B, 2010, 81, .	1.1	81
38	Optical Properties of Mn-Doped ZnTe Magic Size Nanocrystals. Journal of Physical Chemistry Letters, 2012, 3, 1663-1667.	2.1	78
39	Self-Assembly of Colloidal Hexagonal Bipyramid- and Bifrustum-Shaped ZnS Nanocrystals into Two-Dimensional Superstructures. Nano Letters, 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. Journal of Physical Chemistry C, 2007, 111, 11208-11215.	1.5	77
41	Temperature-Dependent Energy Transfer in Cadmium Telluride Quantum Dot Solids. Journal of Physical Chemistry B, 2005, 109, 5504-5508.	1.2	76
42	Solution-Processable Ultrathin Size- and Shape-Controlled Colloidal Cu2â€“xS Nanosheets. Chemistry of Materials, 2015, 27, 283-291.	3.2	76
43	Ultrafast Exciton Dynamics in CdSe Quantum Dots Studied from Bleaching Recovery and Fluorescence Transients. Journal of Physical Chemistry B, 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. Nano Letters, 2012, 12, 5515-5523.	4.5	71
45	Lanthanide-Doped CaS and SrS Luminescent Nanocrystals: A Single-Source Precursor Approach for Doping. Journal of the American Chemical Society, 2014, 136, 16533-16543.	6.6	71
46	Quantum Dot and Cy5.5 Labeled Nanoparticles to Investigate Lipoprotein Biointeractions via FÃ¶rster Resonance Energy Transfer. Nano Letters, 2010, 10, 5131-5138.	4.5	70
47	Excited-State Dynamics in Colloidal Semiconductor Nanocrystals. Topics in Current Chemistry, 2016, 374, 58.	3.0	69
48	Optical Properties of PbS/CdS Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 20171-20177.	1.5	68
49	Luminescence and scintillation properties of the small band gap compound LaI3:Ce3+. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 22-26.	0.7	66
50	Photoluminescence properties of Co2+-doped ZnO nanocrystals. Journal of Luminescence, 2006, 118, 245-250.	1.5	65
51	Near-Infrared Fluorescence Energy Transfer Imaging of Nanoparticle Accumulation and Dissociation Kinetics in Tumor-Bearing Mice. ACS Nano, 2013, 7, 10362-10370.	7.3	60
52	Ultrathin One- and Two-Dimensional Colloidal Semiconductor Nanocrystals: Pushing Quantum Confinement to the Limit. Journal of Physical Chemistry Letters, 2017, 8, 4077-4090.	2.1	58
53	Size Effects on Semiconductor Nanoparticles. , 2014, , 13-51.		57
54	Substituted 4,4â€²-Stilbenoid NCN-Pincer Platinum(II) Complexes. Luminescence and Tuning of the Electronic and NLO Properties and the Application in an OLED. Organometallics, 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. Solar Energy Materials and Solar Cells, 2017, 167, 133-139.	3.0	53
56	Probing the Influence of Disorder on Lanthanide Luminescence Using Eu-Doped LaPO₄ Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 19373-19382.	1.5	51
57	Analysis of the radiative lifetime of Pr3+â€ˆ<i>d-f</i> emission. Journal of Applied Physics, 2012, 112, .	1.1	50
58	Synthesis of Highly Luminescent Silica-Coated CdSe/CdS Nanorods. Chemistry of Materials, 2013, 25, 3427-3434.	3.2	49
59	Experimental and theoretical study of ligand field, 4fâ€"4f intensities and emission quantum yield in the compound Eu(bpyO2)4(ClO4)3. Journal of Alloys and Compounds, 2001, 323-324, 654-660.	2.8	47
60	Spectroscopic Studies of Electron Injection in Quantum Dot Sensitized Mesoporous Oxide Films. Journal of Physical Chemistry C, 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. Journal of Materials Chemistry, 2011, 21, 11556.	6.7	47
62	Conformal and Atomic Characterization of Ultrathin CdSe Platelets with a Helical Shape. Nano Letters, 2014, 14, 6257-6262.	4.5	46
63	Shallow Donors in Semiconductor Nanoparticles: Limit of the Effective Mass Approximation. Physical Review Letters, 2005, 94, 097602.	2.9	45
64	Highly Luminescent (Zn,Cd)Te/CdSe Colloidal Heteronanowires with Tunable Electronâ€"Hole Overlap. Nano Letters, 2012, 12, 749-757.	4.5	45
65	Near-Infrared-Emitting CuInS₂/ZnS Dot-in-Rod Colloidal Heteronanorods by Seeded Growth. Journal of the American Chemical Society, 2018, 140, 5755-5763.	6.6	45
66	Observation of the Full Exciton and Phonon Fine Structure in CdSe/CdS Dot-in-Rod Heteronanocrystals. ACS Nano, 2014, 8, 5921-5931.	7.3	43
67	Exciton Fine Structure and Lattice Dynamics in InP/ZnSe Core/Shell Quantum Dots. ACS Photonics, 2018, 5, 3353-3362.	3.2	42
68	High-Frequency EPR and ENDOR Spectroscopy on Semiconductor Quantum Dots. Applied Magnetic Resonance, 2010, 39, 151-183.	0.6	39
69	Growth and Stability of ZnTe Magicâ€Size Nanocrystals. Small, 2011, 7, 1247-1256.	5.2	39
70	Silica-supported Cu2O nanoparticles with tunable size for sustainable hydrogen generation. Applied Catalysis B: Environmental, 2016, 192, 199-207.	10.8	38
71	Water-Dispersible Copper Sulfide Nanocrystals via Ligand Exchange of 1-Dodecanethiol. Chemistry of Materials, 2019, 31, 541-552.	3.2	37
72	Unravelling the Size and Temperature Dependence of Exciton Lifetimes in Colloidal ZnSe Quantum Dots. Journal of Physical Chemistry C, 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 La2O3â€“Nb2O5â€“B2O3 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	FrÃ¶hlich interaction dominated by a single phonon mode in CsPbBr3. Nature Communications, 2021, 12, 5844.	5.8	34
77	Enhanced Excitonâ€“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 ofZnOnanocrystals. 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	Twoâ€Fold Emission From the Sâ€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 CuInS₂ 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_{2â€“<i>x</i>}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_{2â€“<i>x</i>}S Nanosheets. Chemistry of Materials, 2016, 28, 6381-6389.	3.2	29
89	Effect of Electronâ€“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 La2O3â€“Nb2O5â€“B2O3:M3+ (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. Physical Chemistry Chemical Physics, 2004, 6, 1633-1636.	1.3	28
92	Non-blinking single-photon emitters in silica. Scientific Reports, 2016, 6, 21187.	1.6	28
93	Tailoring Cu+for Ga3+Cation Exchange in Cu2â€“xS and CuInS2Nanocrystals by Controlling the Ga Precursor Chemistry. ACS Nano, 2019, 13, 12880-12893.	7.3	28
94	Luminescent Colloidal InSb Quantum Dots from <i>In Situ</i> Generated Single-Source Precursor. ACS Nano, 2020, 14, 13146-13160.	7.3	28
95	Anisotropic 2D Cu_{2â€“<i>x</i>}Se Nanocrystals from Dodecaneselenol and Their Conversion to CdSe and CuInSe₂ Nanoparticles. Chemistry of Materials, 2018, 30, 3836-3846.	3.2	25
96	Self-Assembled CdSe/CdS Nanorod Sheets Studied in the Bulk Suspension by Magnetic Alignment. ACS Nano, 2014, 8, 10486-10495.	7.3	22
97	Formation of Colloidal Copper Indium Sulfide Nanosheets by Two-Dimensional Self-Organization. Chemistry of Materials, 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) (2,2â€²-bipiridyl)-europium(III). Journal of Luminescence, 2006, 118, 83-90.	1.5	21
99	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>Zn</mml:mtext><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>67</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>H</mml:mtext><mml:mprescripts /><m	1.1	19
100	The Role of a Phonon Bottleneck in Relaxation Processes for Ln-Doped NaYF₄ Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 3985-3993.	1.5	19
101	Luminescence properties of lanthanide doped alkaline earth chlorides under (V)UV and X-ray excitation. Journal of Alloys and Compounds, 2011, 509, 4445-4451.	2.8	18
102	Fine Structure of Nearly Isotropic Bright Excitons in InP/ZnSe Colloidal Quantum Dots. Journal of Physical Chemistry Letters, 2019, 10, 5468-5475.	2.1	18
103	FÃ¶rster Resonance Energy Transfer between Colloidal CuInS₂/ZnS Quantum Dots and Dark Quenchers. Journal of Physical Chemistry C, 2020, 124, 1717-1731.	1.5	18
104	High-frequency EPR and ENDOR spectroscopy on semiconductor nanocrystals. Magnetic Resonance in Chemistry, 2005, 43, S140-S144.	1.1	17
105	Method To Incorporate Anisotropic Semiconductor Nanocrystals of All Shapes in an Ultrathin and Uniform Silica Shell. Chemistry of Materials, 2014, 26, 1905-1911.	3.2	17
106	Optical Spectroscopy of Dark and Bright Excitons in CdSe Nanocrystals in High Magnetic Fields. Journal of Physical Chemistry C, 2017, 121, 23693-23704.	1.5	17
107	Magic-Size Semiconductor Nanostructures: Where Does the Magic Come from?. ACS Materials Au, 2022, 2, 237-249.	2.6	17
108	Luminescent salt. Journal of Luminescence, 2009, 129, 1535-1537.	1.5	16

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109	Fast dâ€"f emission in Ce3+, Pr3+ and Nd3+ activated RbCl. Optical Materials, 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. Nano Letters, 2012, 12, 4937-4942.	4.5	16
111	Copper sulfide derived nanoparticles supported on carbon for the electrochemical reduction of carbon dioxide. Catalysis Today, 2021, 377, 157-165.	2.2	16
112	Single-source precursor synthesis of colloidal CaS and SrS nanocrystals. Materials Letters, 2012, 80, 75-77.	1.3	14
113	Supramolecular Dendriphores: Anionic Organometallic Phosphors Embedded in Polycationic Dendritic Species. Organometallics, 2009, 28, 1082-1092.	1.1	12
114	Analysis of the shift of zero-phonon lines for fâ€"d luminescence of lanthanides in relation to the Dorenbos model. Journal of Luminescence, 2013, 134, 174-179.	1.5	12
115	Seeded Growth Combined with Cation Exchange for the Synthesis of Anisotropic Cu_{2â€"<i>x</i>}S/ZnS, Cu_{2â€"<i>x</i>}S, and CuInS₂ Nanorods. Chemistry of Materials, 2021, 33, 102-116.	3.2	12
116	Synthesis and Formation Mechanism of Colloidal Janus-Type Cu2â€"xS/CuInS2 Heteronanorods via Seeded Injection. ACS Nano, 2021, 15, 9987-9999.	7.3	11
117	Influence of cellâ€internalization on relaxometric, optical and compositional properties of targeted paramagnetic quantum dot micelles. Contrast Media and Molecular Imaging, 2011, 6, 100-109.	0.4	10
118	Probing Lipid Coating Dynamics of Quantum Dot Core Micelles via FÃ¶rster Resonance Energy Transfer. Small, 2014, 10, 1163-1170.	5.2	10
119	Should Anisotropic Emission or Reabsorption of Nanoparticle Luminophores Be Optimized for Increasing Luminescent Solar Concentrator Efficiency?. Solar Rrl, 2020, 4, 2000279.	3.1	10
120	Exciton-phonon coupling in InP quantum dots with ZnS and (Zn,Cd)Se shells. Physical Review B, 2020, 101, .	1.1	10
121	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. ACS Nano, 2021, , .	7.3	10
122	<i>In Situ</i> Optical and X-ray Spectroscopy Reveals Evolution toward Mature CdSe Nanoplatelets by Synergetic Action of Myristate and Acetate Ligands. Journal of the American Chemical Society, 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. JETP Letters, 2006, 84, 400-403.	0.4	8
124	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. ACS Nano, 2019, 13, 10201-10209.	7.3	8
125	The Nanoscience Paradigm: â€œSize Matters!â€ , 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. Proceedings of SPIE, 2013, , .	0.8	7

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127	High-frequency EPR, ESE, and ENDOR spectroscopy of Co- and Mn-doped ZnO quantum dots. Physica Status Solidi (B): Basic Research, 2013, 250, n/a-n/a.	0.7	5
128	Luminescence of Lu2O3:Tm3+ nanoparticles. Materials Research Society Symposia Proceedings, 2001, 667, 1.	0.1	4
129	The Challenge of Colloidal Nanoparticle Synthesis. , 2014, , 145-189.		4
130	Incorporation of Ln-Doped LaPO4 Nanocrystals as Luminescent Markers in Silica Nanoparticles. Nanoscale Research Letters, 2016, 11, 261.	3.1	4
131	Octupolar organometallic Pt(II) NCN-pincer complexes; Synthesis, electronic, photophysical, and NLO properties. Journal of Organometallic Chemistry, 2018, 867, 246-252.	0.8	4
132	Lanthanide Cryptates Entrapment in Aluminum Polyphosphate Gels. Molecular Crystals and Liquid Crystals, 2002, 374, 262-274.	0.4	3
133	Dynamical nuclear polarization and confinement effects in ZnO quantum dots. Physica Status Solidi (B): Basic Research, 2010, 247, 1476-1479.	0.7	3
134	Electronic Structure of ZnO Quantum Dots Studied by High-Frequency EPR, ESE, ENDOR and ODMR Spectroscopy. Materials Today: Proceedings, 2016, 3, 816-824.	0.9	3
135	An ab initio cluster-in-lattice model for the luminescence of K2NbOF5 crystal. Computational Materials Science, 2006, 38, 410-417.	1.4	2
136	Optimizing Quantum Dot Solar Concentrators with Thin Film Solar Cells. Advances in Science and Technology, 2010, 74, 176-181.	0.2	2
137	Controlled emission and coupling of small-size YAG:Ce3+ nanocrystals to gold nanowire. Journal of Applied Physics, 2015, 118, 123105.	1.1	2
138	Prospects of Colloidal Copper Chalcogenide Nanocrystals. ChemPhysChem, 2016, 17, 552-552.	1.0	2
139	Single-Step Synthesis to Control the Photoluminescence Quantum Yield and Size Dispersion of CdSe Nanocrystals.. ChemInform, 2003, 34, no.	0.1	1
140	Dynamical nuclear polarization by means of shallow donors in ZnO quantum dots. Physica B: Condensed Matter, 2009, 404, 4779-4782.	1.3	1
141	Tackling self-absorption in luminescent solar concentrators with type-II colloidal quantum dots. , 2012, , .		1
142	CHAPTER 14. Spectral Conversion for Thin Film Solar Cells and Luminescent Solar Concentrators. RSC Energy and Environment Series, 0, , 455-488.	0.2	0
143	Electron Paramagnetic Resonance Based Spectroscopic Techniques. , 2014, , 257-272.		0
144	Doping InP Quantum Dots with Cu+ slows down Hot Electron Cooling. , 0, , .		0

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145	FÃ¶rster Resonance Energy Transfer between Colloidal CuInS2/ZnS Quantum Dots and Dark Quenchers. , 0, , .		0
146	Compound Copper Chalcogenide-Based Heteronanorods: New Materials for Energy Harvesting. , 0, , .		0
147	Luminescent Colloidal InSb Quantum Dots from In situ-Generated Single-Source Precursor. , 0, , .		0
148	Bimodal Liposomes and Paramagnetic QD-Micelles for Multimodality Molecular Imaging of Tumor Angiogenesis. , 2008, , 487-512.		0
149	Doping InP Quantum Dots with Cu+ slows down Hot Electron Cooling. , 0, , .		0
150	Emerging Strategies for the Rational Synthesis of Copper-Chalcogenide Based Hetero-Nanorods. , 0, , .		0