

Marinella Striccoli

List of Publications by Year in descending order

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178
papers

4,100
citations

126708

33
h-index

168136

53
g-index

182
all docs

182
docs citations

182
times ranked

6167
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape and Phase Control of Colloidal ZnSe Nanocrystals. <i>Chemistry of Materials</i> , 2005, 17, 1296-1306.	3.2	220
2	Nanocomposite materials for photocatalytic degradation of pollutants. <i>Catalysis Today</i> , 2017, 281, 85-100.	2.2	161
3	Optical properties of hybrid composites based on highly luminescent CdS nanocrystals in polymer. <i>Nanotechnology</i> , 2004, 15, S240-S244.	1.3	150
4	Exploring the surface chemistry of cesium lead halide perovskite nanocrystals. <i>Nanoscale</i> , 2019, 11, 986-999.	2.8	106
5	Visible-Light-Active TiO ₂ -Based Hybrid Nanocatalysts for Environmental Applications. <i>Catalysts</i> , 2017, 7, 100.	1.6	93
6	Colloidal TiO ₂ Nanocrystals/MEH-PPV Nanocomposites: A Photo(electro)chemical Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1554-1562.	1.2	91
7	Quantum cascade disk lasers. <i>Applied Physics Letters</i> , 1996, 69, 2456-2458.	1.5	86
8	Photochemical Synthesis of Water-Soluble Gold Nanorods: The Role of Silver in Assisting Anisotropic Growth. <i>Chemistry of Materials</i> , 2009, 21, 4192-4202.	3.2	85
9	Percolating networks of TiO ₂ nanorods and carbon for high power lithium insertion electrodes. <i>Journal of Power Sources</i> , 2012, 206, 301-309.	4.0	81
10	Synthesis of Poly(arylenevinylene)s with Fluorinated Vinylene Units. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1977-1982.	1.2	69
11	Dispersed and Encapsulated Gain Medium in Plasmonic Nanoparticles: a Multipronged Approach to Mitigate Optical Losses. <i>ACS Nano</i> , 2011, 5, 5823-5829.	7.3	66
12	Next-generation thermo-plasmonic technologies and plasmonic nanoparticles in optoelectronics. <i>Progress in Quantum Electronics</i> , 2015, 41, 23-70.	3.5	65
13	TiO ₂ nanocrystals " MEH-PPV composite thin films as photoactive material. <i>Thin Solid Films</i> , 2004, 451-452, 64-68.	0.8	64
14	Red-emitting AlEgen for luminescent solar concentrators. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1406-1412.	3.2	63
15	TiO ₂ nanorods/PMMA copolymer-based nanocomposites: highly homogeneous linear and nonlinear optical material. <i>Nanotechnology</i> , 2008, 19, 205705.	1.3	57
16	Spectroscopic Study on Imidazolium-Based Ionic Liquids: Effect of Alkyl Chain Length and Anion. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3512-3518.	1.2	57
17	TiO ₂ colloidal nanocrystals functionalization of PMMA: A tailoring of optical properties and chemical adsorption. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 138-143.	4.0	56
18	Nanocrystal-Based Luminescent Composites for Nanoimprinting Lithography. <i>Small</i> , 2007, 3, 822-828.	5.2	55

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19	Sorafenib delivery nanoplatfrom based on superparamagnetic iron oxide nanoparticles magnetically targets hepatocellular carcinoma. <i>Nano Research</i> , 2017, 10, 2431-2448.	5.8	54
20	Post-synthesis phase and shape evolution of CsPbBr ₃ colloidal nanocrystals: The role of ligands. <i>Nano Research</i> , 2019, 12, 1155-1166.	5.8	49
21	Insights into the role of the lead/surfactant ratio in the formation and passivation of cesium lead bromide perovskite nanocrystals. <i>Nanoscale</i> , 2020, 12, 623-637.	2.8	48
22	Colloidal Inorganic Nanocrystal Based Nanocomposites: Functional Materials for Micro and Nanofabrication. <i>Materials</i> , 2010, 3, 1316-1352.	1.3	47
23	Improved optical properties of CdS quantum dots by ligand exchange. <i>Materials Science and Engineering C</i> , 2003, 23, 1083-1086.	3.8	46
24	UV-Curable Nanocomposite Based on Methacrylic-Siloxane Resin and Surface-Modified TiO ₂ Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15494-15505.	4.0	45
25	Inkjet-Printed Multicolor Arrays of Highly Luminescent Nanocrystal-Based Nanocomposites. <i>Small</i> , 2009, 5, 1051-1057.	5.2	44
26	An Epoxy Photoresist Modified by Luminescent Nanocrystals for the Fabrication of 3D High-Aspect-Ratio Microstructures. <i>Advanced Functional Materials</i> , 2007, 17, 2009-2017.	7.8	43
27	Luminescent Oil-Soluble Carbon Dots toward White Light Emission: A Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 839-849.	1.5	43
28	High quality CdS nanocrystals: surface effects. <i>Synthetic Metals</i> , 2003, 139, 597-600.	2.1	42
29	Highly selective luminescent nanostructures for mitochondrial imaging and targeting. <i>Nanoscale</i> , 2016, 8, 3350-3361.	2.8	38
30	All solution processed low turn-on voltage near infrared LEDs based on core-shell PbS-CdS quantum dots with inverted device structure. <i>Nanoscale</i> , 2014, 6, 8551-8555.	2.8	37
31	Single white light emitting hybrid nanoarchitectures based on functionalized quantum dots. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5286.	2.7	36
32	SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations. <i>Plasmonics</i> , 2014, 9, 581-593.	1.8	36
33	Emerging methods for fabricating functional structures by patterning and assembling engineered nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11197.	1.3	35
34	Interaction of TiO ₂ Nanocrystals with Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12923-12929.	1.5	33
35	Single Domain 10 nm Ferromagnetism Imprinted on Superparamagnetic Nanoparticles Using Chiral Molecules. <i>Small</i> , 2019, 15, e1804557.	5.2	33
36	Î±-Cyclodextrin Functionalized CdS Nanocrystals for Fabrication of 2/3 D Assemblies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17388-17399.	1.2	31

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37	FZD10 Carried by Exosomes Sustains Cancer Cell Proliferation. <i>Cells</i> , 2019, 8, 777.	1.8	31
38	Quantum Phenomena in Nanomaterials: Coherent Superpositions of Fine Structure States in CdSe Nanocrystals at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2019, 123, 31286-31293.	1.5	31
39	Hybrid Assemblies of Fluorescent Nanocrystals and Membrane Proteins in Liposomes. <i>Langmuir</i> , 2014, 30, 1599-1608.	1.6	30
40	In Situ Formation of Zwitterionic Ligands: Changing the Passivation Paradigms of CsPbBr ₃ Nanocrystals. <i>Nano Letters</i> , 2022, 22, 4437-4444.	4.5	30
41	Fabrication of flexible all-inorganic nanocrystal solar cells by room-temperature processing. <i>Energy and Environmental Science</i> , 2013, 6, 1565.	15.6	29
42	Photoactive Hybrid Material Based on Pyrene Functionalized PbS Nanocrystals Decorating CVD Monolayer Graphene. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4151-4159.	4.0	29
43	Self-organization of mono- and bi-modal PbS nanocrystal populations in superlattices. <i>CrystEngComm</i> , 2011, 13, 3988.	1.3	28
44	Biotin-decorated silica coated PbS nanocrystals emitting in the second biological near infrared window for bioimaging. <i>Nanoscale</i> , 2014, 6, 7924-7933.	2.8	28
45	Direct growth of shape controlled TiO ₂ nanocrystals onto SWCNTs for highly active photocatalytic materials in the visible. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 91-99.	10.8	28
46	Role of spacer cations and structural distortion in two-dimensional germanium halide perovskites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9899-9906.	2.7	28
47	Electronic distribution in superlattice quantum cascade lasers. <i>Applied Physics Letters</i> , 2000, 77, 1088-1090.	1.5	27
48	Influence of Keto Groups on the Optical, Electronic, and Electroluminescent Properties of Random Fluorenone-Containing Poly(fluorenylene-vinylene)s. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20076-20087.	1.5	27
49	A push-pull silafluorene fluorophore for highly efficient luminescent solar concentrators. <i>RSC Advances</i> , 2017, 7, 37302-37309.	1.7	27
50	Hybrid Junctions of Zinc(II) and Magnesium(II) Phthalocyanine with Wide-Band-Gap Semiconductor Nano-oxides: A Spectroscopic and Photoelectrochemical Characterization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24424-24432.	1.2	26
51	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. <i>Advanced Functional Materials</i> , 2007, 17, 201-211.	7.8	26
52	Deciphering hot- and multi-exciton dynamics in core-shell QDs by 2D electronic spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18176-18183.	1.3	26
53	Spontaneous emission control of colloidal nanocrystals using nanoimprinted photonic crystals. <i>Applied Physics Letters</i> , 2007, 90, 011115.	1.5	25
54	A Multifrequency EPR Study on Organic-Capped Anatase TiO ₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6221-6226.	1.5	25

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55	Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6143-6152.	1.5	25
56	Au nanoparticle <i>in situ</i> decorated RGO nanocomposites for highly sensitive electrochemical genosensors. <i>Journal of Materials Chemistry B</i> , 2019, 7, 768-777.	2.9	25
57	Plasma Treated Water Solutions in Cancer Treatments: The Contrasting Role of RNS. <i>Antioxidants</i> , 2021, 10, 605.	2.2	25
58	GISAXS and GIWAXS study on self-assembling processes of nanoparticle based superlattices. <i>CrystEngComm</i> , 2014, 16, 9482-9492.	1.3	23
59	Fabrication of photoactive heterostructures based on quantum dots decorated with Au nanoparticles. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 98-108.	2.8	23
60	Effect of shape and surface chemistry of TiO ₂ colloidal nanocrystals on the organic vapor absorption capacity of TiO ₂ /PMMA composite. <i>Polymer</i> , 2008, 49, 5526-5532.	1.8	22
61	Biofunctionalization of Anisotropic Nanocrystalline Semiconductorâ€“Magnetic Heterostructures. <i>Langmuir</i> , 2011, 27, 6962-6970.	1.6	22
62	A combined size sorting strategy for monodisperse plasmonic nanostructures. <i>Nanoscale</i> , 2013, 5, 3272.	2.8	22
63	High Surface Area Mesoporous Silica Nanoparticles with Tunable Size in the Sub-Micrometer Regime: Insights on the Size and Porosity Control Mechanisms. <i>Molecules</i> , 2021, 26, 4247.	1.7	22
64	Luminescent nanocrystals in phospholipid micelles for bioconjugation: An optical and structural investigation. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 558-566.	5.0	21
65	The fate of silver ions in the photochemical synthesis of gold nanorods: an Extended X-ray Absorption Fine Structure Analysis. <i>Dalton Transactions</i> , 2009, , 10367.	1.6	21
66	Photoelectrochemical study on photosynthetic pigments-sensitized nanocrystalline ZnO films. <i>Bioelectrochemistry</i> , 2004, 63, 99-102.	2.4	20
67	Selective confinement of oleylamine capped Au nanoparticles in self-assembled PS-b-PEO diblock copolymer templates. <i>Soft Matter</i> , 2014, 10, 1676-1684.	1.2	20
68	NIR Emitting Nanoprobes Based on Cyclic RGD Motif Conjugated PbS Quantum Dots for Integrin-Targeted Optical Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43113-43126.	4.0	20
69	Optical and dielectric properties of PMMA (poly(methyl methacrylate))/carbon dots composites. <i>Polymer Composites</i> , 2019, 40, E1312-E1319.	2.3	20
70	Correlation between the structural and optical properties of polydispersed IIâ€“VI quantum dots in glass matrix. <i>Journal of Applied Physics</i> , 1991, 70, 6898-6901.	1.1	19
71	Photoelectrochemical properties of Zn(II) phthalocyanine/ZnO nanocrystals heterojunctions: nanocrystal surface chemistry effect. <i>Applied Surface Science</i> , 2005, 246, 367-371.	3.1	19
72	Nanoimprinted photonic crystals for the modification of the (CdSe)ZnS nanocrystals light emission. <i>Microelectronic Engineering</i> , 2007, 84, 1574-1577.	1.1	19

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73	Drop-on-demand inkjet printing of highly luminescent CdS and CdSe@ZnS nanocrystal based nanocomposites. <i>Microelectronic Engineering</i> , 2009, 86, 1124-1126.	1.1	19
74	Electroactive Layer-by-Layer Plasmonic Architectures Based on Au Nanorods. <i>Langmuir</i> , 2014, 30, 2608-2618.	1.6	19
75	Integrin-targeting with peptide-bioconjugated semiconductor-magnetic nanocrystalline heterostructures. <i>Nano Research</i> , 2016, 9, 644-662.	5.8	19
76	A designed UV-vis light curable coating nanocomposite based on colloidal TiO ₂ NRs in a hybrid resin for stone protection. <i>Progress in Organic Coatings</i> , 2018, 122, 290-301.	1.9	19
77	Photoluminescence enhancement in metallic nanocomposite printable polymer. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 2642.	1.3	18
78	Two-Dimensional Plasmonic Superlattice Based on Au Nanoparticles Self-Assembling onto a Functionalized Substrate. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7579-7590.	1.5	18
79	Cytotoxicity Study on Luminescent Nanocrystals Containing Phospholipid Micelles in Primary Cultures of Rat Astrocytes. <i>PLoS ONE</i> , 2016, 11, e0153451.	1.1	18
80	Enhanced photoactivity and conductivity in transparent TiO ₂ nanocrystals/graphene hybrid anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9307-9315.	5.2	18
81	Shape Tailoring of Iodine-Based Cesium Lead Halide Perovskite Nanocrystals in Hot-Injection Methods. <i>ChemNanoMat</i> , 2020, 6, 356-361.	1.5	18
82	Excitation-Dependent Ultrafast Carrier Dynamics of Colloidal TiO ₂ Nanorods in Organic Solvent. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25215-25222.	1.5	17
83	Lipid-based systems loaded with PbS nanocrystals: near infrared emitting trackable nanovectors. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1471-1481.	2.9	17
84	Colloidal Nanocrystalline Semiconductor Materials as Photocatalysts for Environmental Protection of Architectural Stone. <i>Crystals</i> , 2017, 7, 30.	1.0	17
85	High-Efficiency FRET Processes in BODIPY-Functionalized Quantum Dot Architectures. <i>Chemistry - A European Journal</i> , 2021, 27, 2371-2380.	1.7	17
86	Multifunctional TiO ₂ /Fe _x O _y /Ag based nanocrystalline heterostructures for photocatalytic degradation of a recalcitrant pollutant. <i>Catalysis Today</i> , 2017, 284, 100-106.	2.2	16
87	A new route for the shape differentiation of cesium lead bromide perovskite nanocrystals with near-unity photoluminescence quantum yield. <i>Nanoscale</i> , 2020, 12, 17053-17063.	2.8	16
88	Coupling effects in QD dimers at sub-nanometer interparticle distance. <i>Nano Research</i> , 2020, 13, 1071-1080.	5.8	16
89	Cyclodextrin mediated phase transfer in water of organic capped CdS nanocrystals. <i>Synthetic Metals</i> , 2005, 148, 43-46.	2.1	15
90	Interactions between surfactant capped CdS nanocrystals and organic solvent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 271-277.	2.0	15

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91	Poly(methyl methacrylate) nanocomposites based on TiO ₂ nanocrystals: Tailoring material properties towards sensing. <i>Thin Solid Films</i> , 2011, 519, 3931-3938.	0.8	15
92	Photolithography based on nanocrystals. <i>Science</i> , 2017, 357, 353-354.	6.0	15
93	Green Fluorescent Terbium (III) Complex Doped Silica Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3139.	1.8	15
94	Low Temperature Synthesis of Photocatalytic Mesoporous TiO ₂ Nanomaterials. <i>Catalysts</i> , 2020, 10, 893.	1.6	15
95	Photochemical sensitisation process at photosynthetic pigments/Q-sized colloidal semiconductor hetero-junctions. <i>Synthetic Metals</i> , 2003, 139, 593-596.	2.1	14
96	Surface Functionalization of Epoxy Resin-Based Microcantilevers with Iron Oxide Nanocrystals. <i>Advanced Materials</i> , 2010, 22, 3288-3292.	11.1	14
97	Interplay between Amplified Spontaneous Emission, Förster Resonant Energy Transfer, and Self-Absorption in Hybrid Poly(9,9-dioctylfluorene)-CdSe/ZnS Nanocrystal Thin Films. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2086-2090.	1.1	14
98	Photocurrent generation in a CdS nanocrystals/poly[2-methoxy-5-(2-ethyl-ethoxy)phenylene vinylene] electrochemical cell. <i>Thin Solid Films</i> , 2008, 516, 5010-5015.	0.8	13
99	Plasmon mediated super-absorber flexible nanocomposites for metamaterials. <i>Nanoscale</i> , 2013, 5, 6097.	2.8	13
100	Tuning light emission of PbS nanocrystals from infrared to visible range by cation exchange. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 055007.	2.8	13
101	Assembly of Gold Nanorods for Highly Sensitive Detection of Mercury Ions. <i>IEEE Sensors Journal</i> , 2013, 13, 2834-2841.	2.4	12
102	Optical and Conductive Properties of As-Synthesized Organic-Capped TiO ₂ Nanorods Highly Dispersible in Polystyrene-block-poly(methyl methacrylate) Diblock Copolymer. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11805-11814.	4.0	12
103	Segmented poly(styrene-co-vinylpyridine) as multivalent host for CdSe nanocrystal based nanocomposites. <i>European Polymer Journal</i> , 2014, 60, 222-234.	2.6	12
104	Rod-coil block copolymer as nanostructuring compatibilizer for efficient CdSe NCs/PCPDTBT hybrid solar cells. <i>European Polymer Journal</i> , 2016, 78, 352-363.	2.6	12
105	Solvent dispersible nanocomposite based on Reduced Graphene Oxide and in-situ decorated gold nanoparticles. <i>Carbon</i> , 2019, 152, 777-787.	5.4	12
106	Structural Investigation of Three-Dimensional Self-Assembled PbS Binary Superlattices. <i>Crystal Growth and Design</i> , 2010, 10, 3770-3774.	1.4	11
107	Precision Patterning with Luminescent Nanocrystal-Functionalized Beads. <i>Langmuir</i> , 2010, 26, 14294-14300.	1.6	11
108	Surface chemical functionalization of single walled carbon nanotubes with a bacteriorhodopsin mutant. <i>Nanoscale</i> , 2012, 4, 6434.	2.8	11

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109	Metallic nanoparticles enhanced the spontaneous emission of semiconductor nanocrystals embedded in nanoimprinted photonic crystals. <i>Nanoscale</i> , 2013, 5, 239-245.	2.8	11
110	Transforming anatase TiO ₂ nanorods into ultrafine nanoparticles for advanced electrochemical performance. <i>Journal of Power Sources</i> , 2015, 294, 406-413.	4.0	11
111	Imaging modification of colon carcinoma cells exposed to lipid based nanovectors for drug delivery: a scanning electron microscopy investigation. <i>RSC Advances</i> , 2019, 9, 21810-21825.	1.7	11
112	Encapsulation of Dual Emitting Giant Quantum Dots in Silica Nanoparticles for Optical Ratiometric Temperature Nanosensors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2767.	1.3	11
113	Polyelectrolyte Multilayers As a Platform for Luminescent Nanocrystal Patterned Assemblies. <i>Langmuir</i> , 2012, 28, 5964-5974.	1.6	10
114	Nanocomposites based on highly luminescent nanocrystals and semiconducting conjugated polymer for inkjet printing. <i>Nanotechnology</i> , 2012, 23, 075701.	1.3	10
115	Photostable carbon dots with intense green emission in an open reactor synthesis. <i>Carbon</i> , 2022, 198, 230-243.	5.4	10
116	Meso-Crystallographic Study of a Three-Dimensional Self-Assembled Bimodal Nanocrystal Superlattice. <i>Crystal Growth and Design</i> , 2012, 12, 1970-1976.	1.4	9
117	Near-Infrared Absorbing Solid Lipid Nanoparticles Encapsulating Plasmonic Copper Sulfide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23205-23213.	1.5	9
118	Oil-Dispersible Green-Emitting Carbon Dots: New Insights on a Facile and Efficient Synthesis. <i>Materials</i> , 2020, 13, 3716.	1.3	9
119	Size-tunable and stable cesium lead-bromide perovskite nanocubes with near-unity photoluminescence quantum yield. <i>Nanoscale Advances</i> , 2021, 3, 3918-3928.	2.2	9
120	Luminescent PLGA Nanoparticles for Delivery of Darunavir to the Brain and Inhibition of Matrix Metalloproteinase-9, a Relevant Therapeutic Target of HIV-Associated Neurological Disorders. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4286-4301.	1.7	9
121	Photoelectrochemical properties of ZnO nanocrystals/MEH-PPV composite: The effects of nanocrystals synthetic route, film deposition and electrolyte composition. <i>Thin Solid Films</i> , 2015, 595, 157-163.	0.8	8
122	Gold@CSpeckled SPION@SiO ₂ Nanoparticles Decorated with Thiocarbohydrates for ASGPR1 Targeting: Towards HCC Dual Mode Imaging Potential Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 11048-11059.	1.7	8
123	PbS nanocrystals decorated Reduced Graphene Oxide for NIR responsive capacitive cathodes. <i>Carbon</i> , 2021, 182, 57-69.	5.4	8
124	Photoelectrochemical properties of hybrid junctions based on zinc phthalocyanine and semiconducting colloidal nanocrystals. <i>Electrochimica Acta</i> , 2006, 51, 5120-5124.	2.6	7
125	Oxide nanocrystal based nanocomposites for fabricating photoplastic AFM probes. <i>Nanoscale</i> , 2011, 3, 4632.	2.8	7
126	Phase Transfer of CdS Nanocrystals Mediated by Heptamine β -Cyclodextrin. <i>Langmuir</i> , 2012, 28, 8711-8720.	1.6	7

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127	Three-Dimensional Self-Assembly of Networked Branched TiO ₂ Nanocrystal Scaffolds for Efficient Room-Temperature Processed Depleted Bulk Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 5026-5033.	4.0	7
128	DPD Simulations of PMMA-Oleic Acid Mixture Behaviour in Organic Capped Nanoparticle Based Polymer Nanocomposite. Macromolecular Symposia, 2009, 286, 156-163.	0.4	6
129	Thermal properties and electric modulus approach to the analysis of dielectric relaxation of nanocomposites based on carbon dots. Polymer Composites, 2019, 40, 4650-4657.	2.3	6
130	CsPbBr ₃ Nanocrystals-Based Polymer Nanocomposite Films: Effect of Polymer on Spectroscopic Properties and Moisture Tolerance. Energies, 2020, 13, 6730.	1.6	6
131	Hybrid nanocomposites based on CdS and CdSe colloidal nanocrystals in organic polymers. , 2005, , .		5
132	Modification of Spontaneous Emission of (CdSe)ZnS Nanocrystals Embedded in Nanoimprinted Photonic Crystals. Journal of Nanoscience and Nanotechnology, 2008, 8, 535-539.	0.9	5
133	Surface Functionalization of Micro Mechanical Cantilever Sensors by Organic Capped TiO ₂ and Fe ₂ O ₃ Nanocrystals. Procedia Chemistry, 2009, 1, 32-35.	0.7	5
134	Chemically Directed Assembling of Functionalized Luminescent Nanocrystals onto Plasma Modified Substrates Towards Sensing and Optoelectronic Applications. Plasma Processes and Polymers, 2009, 6, S870.	1.6	5
135	Semiconductor nanocrystals dispersed in imidazolium-based ionic liquids: a spectroscopic and morphological investigation. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	5
136	Hybrid charge transfer complexes based on archaeal glycolipids wrapping single walled carbon nanotubes. Chemical Communications, 2013, 49, 6941.	2.2	5
137	Nanocomposites Based on Luminescent Colloidal Nanocrystals and Polymeric Ionic Liquids towards Optoelectronic Applications. Materials, 2014, 7, 591-610.	1.3	5
138	H-bonding driven assembly of colloidal Au nanoparticles on nanostructured poly(styrene-b-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	5
139	Cu ₂ S nanocrystal synthesis: a chemical toolbox for controlling nanocrystal geometry, phase and plasmonic behavior. Materials Chemistry Frontiers, 2021, 5, 1341-1354.	3.2	5
140	Coupling in quantum dot molecular hetero-assemblies. Materials Research Bulletin, 2022, 146, 111578.	2.7	5
141	π-π Interactions Mediated Pyrene Based Ligand Enhanced Photoresponse in Hybrid Graphene/PbS Quantum Dots Photodetectors. Advanced Electronic Materials, 2022, 8, 2100672.	2.6	5
142	Hybrid Nanocomposites Based on Luminescent Colloidal Nanocrystals in Poly(methyl methacrylate): Spectroscopical and Morphological Studies. Journal of Nanoscience and Nanotechnology, 2008, 8, 628-634.	0.9	4
143	Functionalized luminescent nanocrystals on patterned surfaces obtained by radio frequency glow discharges. Nanotechnology, 2013, 24, 145302.	1.3	4
144	Effect of Iron Oxide Nanocrystal Content on the Morphology and Magnetic Properties of Polystyrene-block-poly(methyl methacrylate) Diblock Copolymer Based Nanocomposites. Journal of Physical Chemistry C, 2015, 119, 6435-6445.	1.5	4

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145	TiO ₂ Nanocrystals Decorated CVD Graphene Based Hybrid for UV-Light Active Photoanodes. <i>Procedia Engineering</i> , 2016, 168, 396-402.	1.2	4
146	Recombination Dynamics of Colloidal Nanocrystals in Functionalized-Poly-Methylmethacrylate Nanocomposites. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 67-73.	0.4	4
147	Patterned assembly of luminescent nanocrystals: role of the molecular chemistry at the interface. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	3
148	Optical properties of nanocomposites based on (CdSe)ZnS core shell nanocrystals in cyclic olefin copolymer. <i>Synthetic Metals</i> , 2018, 245, 121-126.	2.1	3
149	Tuning Quantum Dots Coupling Using Organic Linkers with Different Vibrational Modes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16159-16165.	1.5	3
150	Water phase transfer of oleic capped semiconductor nanocrystals mediated by β -cyclodextrins. , 2005, , .		2
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