

Marialucia Curri

List of Publications by Year in descending order

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221
papers

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57631

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226
docs citations

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times ranked

9672
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#	ARTICLE	IF	CITATIONS
1	Photocatalytic Synthesis of Silver Nanoparticles Stabilized by TiO ₂ Nanorods: A Semiconductor/Metal Nanocomposite in Homogeneous Nonpolar Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 3868-3879.	6.6	304
2	UV-induced photocatalytic degradation of azo dyes by organic-capped ZnO nanocrystals immobilized onto substrates. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 1-11.	10.8	262
3	Shape and Phase Control of Colloidal ZnSe Nanocrystals. <i>Chemistry of Materials</i> , 2005, 17, 1296-1306.	3.2	220
4	Colloidal oxide nanoparticles for the photocatalytic degradation of organic dye. <i>Materials Science and Engineering C</i> , 2003, 23, 285-289.	3.8	218
5	ZnO Nanocrystals by a Non-hydrolytic Route: Synthesis and Characterization. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4756-4762.	1.2	212
6	Photocatalytic degradation of azo dyes by organic-capped anatase TiO nanocrystals immobilized onto substrates. <i>Applied Catalysis B: Environmental</i> , 2005, 55, 81-91.	10.8	190
7	Role of Metal Nanoparticles in TiO ₂ /Ag Nanocomposite-Based Microheterogeneous Photocatalysis. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9623-9630.	1.2	188
8	Synthesis and Characterization of CdS Nanoclusters in a Quaternary Microemulsion: the Role of the Cosurfactant. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8391-8397.	1.2	173
9	Seeded Growth of Asymmetric Binary Nanocrystals Made of a Semiconductor TiO ₂ Rodlike Section and a Magnetic Fe ₃ O ₄ Spherical Domain. <i>Journal of the American Chemical Society</i> , 2006, 128, 16953-16970.	6.6	163
10	Nanocomposite materials for photocatalytic degradation of pollutants. <i>Catalysis Today</i> , 2017, 281, 85-100.	2.2	161
11	Optical properties of hybrid composites based on highly luminescent CdS nanocrystals in polymer. <i>Nanotechnology</i> , 2004, 15, S240-S244.	1.3	150
12	Photocatalytic degradation of methyl red by TiO ₂ : Comparison of the efficiency of immobilized nanoparticles versus conventional suspended catalyst. <i>Journal of Hazardous Materials</i> , 2007, 142, 130-137.	6.5	141
13	Nano-Objects on a Round Trip from Water to Organics in a Polymeric Ionic Liquid Vehicle. <i>Small</i> , 2006, 2, 507-512.	5.2	131
14	UV and solar-based photocatalytic degradation of organic pollutants by nano-sized TiO ₂ grown on carbon nanotubes. <i>Catalysis Today</i> , 2015, 240, 114-124.	2.2	122
15	Spectroscopic Insights into Carbon Dot Systems. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2236-2242.	2.1	111
16	Visible-Light-Active TiO ₂ -Based Hybrid Nanocatalysts for Environmental Applications. <i>Catalysts</i> , 2017, 7, 100.	1.6	93
17	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
18	Efficient charge storage in photoexcited TiO ₂ nanorod-noble metal nanoparticle composite systems. <i>Chemical Communications</i> , 2005, , 3186.	2.2	85

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19	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
20	The identification by Raman microscopy and X-ray diffraction of iron-oxide pigments and of the red pigments found on Italian pottery fragments. <i>Journal of Molecular Structure</i> , 1998, 440, 105-111.	1.8	84
21	Synthesis and structural characterisation of CdS nanoparticles prepared in a four-components "water-in-oil" microemulsion. <i>Micron</i> , 2000, 31, 253-258.	1.1	76
22	Gram-scale synthesis of UV-vis light active plasmonic photocatalytic nanocomposite based on TiO ₂ /Au nanorods for degradation of pollutants in water. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 604-613.	10.8	76
23	Development of a novel enzyme/semiconductor nanoparticles system for biosensor application. <i>Materials Science and Engineering C</i> , 2002, 22, 449-452.	3.8	74
24	A Cast-Mold Approach to Iron Oxide and Pt/Iron Oxide Nanocontainers and Nanoparticles with a Reactive Concave Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 2205-2217.	6.6	71
25	Raman microscopy: The identification of lapis lazuli on medieval pottery fragments from the south of Italy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997, 53, 597-603.	2.0	70
26	Next-generation thermo-plasmonic technologies and plasmonic nanoparticles in optoelectronics. <i>Progress in Quantum Electronics</i> , 2015, 41, 23-70.	3.5	65
27	TiO ₂ nanocrystals " MEH-PPV composite thin films as photoactive material. <i>Thin Solid Films</i> , 2004, 451-452, 64-68.	0.8	64
28	Photocatalytic activity of organic-capped anatase TiO ₂ nanocrystals in homogeneous organic solutions. <i>Materials Science and Engineering C</i> , 2003, 23, 707-713.	3.8	60
29	Ion-Directed Assembly of Gold Nanorods: A Strategy for Mercury Detection. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1084-1092.	4.0	58
30	TiO ₂ nanorods/PMMA copolymer-based nanocomposites: highly homogeneous linear and nonlinear optical material. <i>Nanotechnology</i> , 2008, 19, 205705.	1.3	57
31	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
32	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
33	Nanocrystal-Based Luminescent Composites for Nanoimprinting Lithography. <i>Small</i> , 2007, 3, 822-828.	5.2	55
34	Characterization of Brown-Black and Blue Pigments in Glazed Pottery Fragments from Castel Fiorentino (Foggia, Italy) by Raman Microscopy, X-Ray Powder Diffractometry and X-Ray Photoelectron Spectroscopy. <i>Journal of Raman Spectroscopy</i> , 1997, 28, 105-109.	1.2	54
35	Synthesis of TiO ₂ -Au Composites by Titania-Nanorod-Assisted Generation of Gold Nanoparticles at Aqueous/Nonpolar Interfaces. <i>Small</i> , 2006, 2, 413-421.	5.2	54
36	Sorafenib delivery nanoplatform based on superparamagnetic iron oxide nanoparticles magnetically targets hepatocellular carcinoma. <i>Nano Research</i> , 2017, 10, 2431-2448.	5.8	54

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37	Post-synthesis phase and shape evolution of CsPbBr ₃ colloidal nanocrystals: The role of ligands. Nano Research, 2019, 12, 1155-1166.	5.8	49
38	Colloidal Inorganic Nanocrystal Based Nanocomposites: Functional Materials for Micro and Nanofabrication. Materials, 2010, 3, 1316-1352.	1.3	47
39	Nanocrystalline TiO ₂ based films onto fibers for photocatalytic degradation of organic dye in aqueous solution. Applied Catalysis B: Environmental, 2012, 121-122, 190-197.	10.8	47
40	Chemical characterisation of ancient pottery from south of Italy by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES). Analytica Chimica Acta, 2000, 410, 193-202.	2.6	46
41	Improved optical properties of CdS quantum dots by ligand exchange. Materials Science and Engineering C, 2003, 23, 1083-1086.	3.8	46
42	Photo-thermal effects in gold nanoparticles dispersed in thermotropic nematic liquid crystals. Physical Chemistry Chemical Physics, 2015, 17, 20281-20287.	1.3	46
43	Photocatalytic TiO ₂ -based coatings for environmental applications. Catalysis Today, 2021, 380, 62-83.	2.2	46
44	Investigation on alcohol vapours/TiO ₂ nanocrystal thin films interaction by SPR technique for sensing application. Sensors and Actuators B: Chemical, 2004, 100, 75-80.	4.0	45
45	UV-Curable Nanocomposite Based on Methacrylic-Siloxane Resin and Surface-Modified TiO ₂ Nanocrystals. ACS Applied Materials & Interfaces, 2015, 7, 15494-15505.	4.0	45
46	Inkjet-Printed Multicolor Arrays of Highly Luminescent Nanocrystal-Based Nanocomposites. Small, 2009, 5, 1051-1057.	5.2	44
47	Photocatalytic TiO ₂ -Based Nanostructured Materials for Microbial Inactivation. Catalysts, 2020, 10, 1382.	1.6	44
48	An Epoxy Photoresist Modified by Luminescent Nanocrystals for the Fabrication of 3D High-Aspect-Ratio Microstructures. Advanced Functional Materials, 2007, 17, 2009-2017.	7.8	43
49	Luminescent Oil-Soluble Carbon Dots toward White Light Emission: A Spectroscopic Study. Journal of Physical Chemistry C, 2018, 122, 839-849.	1.5	43
50	High quality CdS nanocrystals: surface effects. Synthetic Metals, 2003, 139, 597-600.	2.1	42
51	Scalable Synthesis of Mesoporous TiO ₂ for Environmental Photocatalytic Applications. Materials, 2019, 12, 1853.	1.3	42
52	Gold nanoparticles modified graphene platforms for highly sensitive electrochemical detection of vitamin C in infant food and formulae. Food Chemistry, 2021, 344, 128692.	4.2	40
53	Photocatalytic Activity of Nanocomposite Catalyst Films Based on Nanocrystalline Metal/Semiconductors. Journal of Physical Chemistry C, 2011, 115, 12033-12040.	1.5	39
54	Highly selective luminescent nanostructures for mitochondrial imaging and targeting. Nanoscale, 2016, 8, 3350-3361.	2.8	38

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55	Photodegradation of nalidixic acid assisted by TiO ₂ nanorods/Ag nanoparticles based catalyst. <i>Chemosphere</i> , 2013, 91, 941-947.	4.2	37
56	Single white light emitting hybrid nanoarchitectures based on functionalized quantum dots. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5286.	2.7	36
57	Emerging methods for fabricating functional structures by patterning and assembling engineered nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11197.	1.3	35
58	Nano-Localized Heating Source for Photonics and Plasmonics. <i>Advanced Optical Materials</i> , 2013, 1, 899-904.	3.6	35
59	Interaction of TiO ₂ Nanocrystals with Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12923-12929.	1.5	33
60	TiO ₂ nanocrystal films for sensing applications based on surface plasmon resonance. <i>Synthetic Metals</i> , 2005, 148, 25-29.	2.1	32
61	Stimuli-responsive nanoparticle-assisted immunotherapy: a new weapon against solid tumours. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1823-1840.	2.9	32
62	Low-dimensional chainlike assemblies of TiO ₂ nanorod-stabilized Au nanoparticles. <i>Chemical Communications</i> , 2005, , 942.	2.2	31
63	β-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
64	FZD10 Carried by Exosomes Sustains Cancer Cell Proliferation. <i>Cells</i> , 2019, 8, 777.	1.8	31
65	XPS, ICP and DPASV analysis of medieval pottery ? Statistical multivariate treatment of data. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 350, 168-177.	1.5	30
66	Thin films of TiO ₂ nanocrystals with controlled shape and surface coating for surface plasmon resonance alcohol vapour sensing. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 562-572.	4.0	29
67	Fabrication of flexible all-inorganic nanocrystal solar cells by room-temperature processing. <i>Energy and Environmental Science</i> , 2013, 6, 1565.	15.6	29
68	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
69	Ascorbic acid-sensitized Au nanorods-functionalized nanostructured TiO ₂ transparent electrodes for photoelectrochemical genosensing. <i>Electrochimica Acta</i> , 2018, 276, 389-398.	2.6	29
70	Polydopamine-Coated Magnetic Iron Oxide Nanoparticles: From Design to Applications. <i>Nanomaterials</i> , 2022, 12, 1145.	1.9	29
71	Self-organization of mono- and bi-modal PbS nanocrystal populations in superlattices. <i>CrystEngComm</i> , 2011, 13, 3988.	1.3	28
72	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

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73	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
74	Thermo-Plasmonic Killing of Escherichia coli TG1 Bacteria. <i>Materials</i> , 2019, 12, 1530.	1.3	27
75	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
76	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. <i>Advanced Functional Materials</i> , 2007, 17, 201-211.	7.8	26
77	Spontaneous emission control of colloidal nanocrystals using nanoimprinted photonic crystals. <i>Applied Physics Letters</i> , 2007, 90, 011115.	1.5	25
78	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
79	Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6143-6152.	1.5	25
80	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
81	Uniform TiO ₂ /In ₂ O ₃ surface films effective in bacterial inactivation under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 279, 1-7.	2.0	24
82	Frizzled-10 Extracellular Vesicles Plasma Concentration Is Associated with Tumoral Progression in Patients with Colorectal and Gastric Cancer. <i>Journal of Oncology</i> , 2019, 2019, 1-12.	0.6	24
83	GISAXS and GIWAXS study on self-assembling processes of nanoparticle based superlattices. <i>CrystEngComm</i> , 2014, 16, 9482-9492.	1.3	23
84	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
85	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
86	Functionalized Copper(II) Phthalocyanine in Solution and As Thin Film: Photochemical and Morphological Characterization toward Applications. <i>Langmuir</i> , 2009, 25, 10305-10313.	1.6	22
87	Biofunctionalization of Anisotropic Nanocrystalline Semiconductor "Magnetic Heterostructures. <i>Langmuir</i> , 2011, 27, 6962-6970.	1.6	22
88	A combined size sorting strategy for monodisperse plasmonic nanostructures. <i>Nanoscale</i> , 2013, 5, 3272.	2.8	22
89	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
90	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

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91	The fate of silver ions in the photochemical synthesis of gold nanorods: an Extended X-ray Absorption Fine Structure Analysis. Dalton Transactions, 2009, , 10367.	1.6	21
92	TiO ₂ Nanocrystal Based Coatings for the Protection of Architectural Stone: The Effect of Solvents in the Spray-Coating Application for a Self-Cleaning Surfaces. Coatings, 2018, 8, 356.	1.2	21
93	Reverse micellar systems: self organised assembly as effective route for the synthesis of colloidal semiconductor nanocrystals. Materials Science and Engineering C, 2002, 22, 423-426.	3.8	20
94	Photoelectrochemical study on photosynthetic pigments-sensitized nanocrystalline ZnO films. Bioelectrochemistry, 2004, 63, 99-102.	2.4	20
95	Selective confinement of oleylamine capped Au nanoparticles in self-assembled PS-b-PEO diblock copolymer templates. Soft Matter, 2014, 10, 1676-1684.	1.2	20
96	NIR Emitting Nanoprobes Based on Cyclic RGD Motif Conjugated PbS Quantum Dots for Integrin-Targeted Optical Bioimaging. ACS Applied Materials & Interfaces, 2017, 9, 43113-43126.	4.0	20
97	Inorganic self-assembly. Current Opinion in Solid State and Materials Science, 2004, 8, 103-109.	5.6	19
98	Photoelectrochemical properties of Zn(II) phthalocyanine/ZnO nanocrystals heterojunctions: nanocrystal surface chemistry effect. Applied Surface Science, 2005, 246, 367-371.	3.1	19
99	Nanoimprinted photonic crystals for the modification of the (CdSe)ZnS nanocrystals light emission. Microelectronic Engineering, 2007, 84, 1574-1577.	1.1	19
100	Drop-on-demand inkjet printing of highly luminescent CdS and CdSe@ZnS nanocrystal based nanocomposites. Microelectronic Engineering, 2009, 86, 1124-1126.	1.1	19
101	Electroactive Layer-by-Layer Plasmonic Architectures Based on Au Nanorods. Langmuir, 2014, 30, 2608-2618.	1.6	19
102	Integrin-targeting with peptide-bioconjugated semiconductor-magnetic nanocrystalline heterostructures. Nano Research, 2016, 9, 644-662.	5.8	19
103	A designed UV-vis light curable coating nanocomposite based on colloidal TiO ₂ NRs in a hybrid resin for stone protection. Progress in Organic Coatings, 2018, 122, 290-301.	1.9	19
104	Photoluminescence enhancement in metallic nanocomposite printable polymer. Journal of Vacuum Science & Technology B, 2007, 25, 2642.	1.3	18
105	Two-Dimensional Plasmonic Superlattice Based on Au Nanoparticles Self-Assembling onto a Functionalized Substrate. Journal of Physical Chemistry C, 2014, 118, 7579-7590.	1.5	18
106	Cytotoxicity Study on Luminescent Nanocrystals Containing Phospholipid Micelles in Primary Cultures of Rat Astrocytes. PLoS ONE, 2016, 11, e0153451.	1.1	18
107	Enhanced photoactivity and conductivity in transparent TiO ₂ nanocrystals/graphene hybrid anodes. Journal of Materials Chemistry A, 2017, 5, 9307-9315.	5.2	18
108	Excitation-Dependent Ultrafast Carrier Dynamics of Colloidal TiO ₂ Nanorods in Organic Solvent. Journal of Physical Chemistry C, 2014, 118, 25215-25222.	1.5	17

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109	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
110	Colloidal Nanocrystalline Semiconductor Materials as Photocatalysts for Environmental Protection of Architectural Stone. <i>Crystals</i> , 2017, 7, 30.	1.0	17
111	High Efficiency FRET Processes in BODIPY Functionalized Quantum Dot Architectures. <i>Chemistry - A European Journal</i> , 2021, 27, 2371-2380.	1.7	17
112	Magnetic implants in vivo guiding sorafenib liver delivery by superparamagnetic solid lipid nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 239-254.	5.0	17
113	Determination of optical parameters of colloidal TiO ₂ nanocrystals-based thin films by using surface plasmon resonance measurements for sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 365-373.	4.0	16
114	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
115	Coupling effects in QD dimers at sub-nanometer interparticle distance. <i>Nano Research</i> , 2020, 13, 1071-1080.	5.8	16
116	Cyclodextrin mediated phase transfer in water of organic capped CdS nanocrystals. <i>Synthetic Metals</i> , 2005, 148, 43-46.	2.1	15
117	Interactions between surfactant capped CdS nanocrystals and organic solvent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 271-277.	2.0	15
118	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
119	Green Fluorescent Terbium (III) Complex Doped Silica Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3139.	1.8	15
120	A Possible Role of FZD10 Delivering Exosomes Derived from Colon Cancers Cell Lines in Inducing Activation of Epithelial to Mesenchymal Transition in Normal Colon Epithelial Cell Line. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6705.	1.8	15
121	TiO ₂ -based nanomaterials assisted photocatalytic treatment for virus inactivation: perspectives and applications. <i>Current Opinion in Chemical Engineering</i> , 2021, 34, 100716.	3.8	15
122	Photochemical sensitisation process at photosynthetic pigments/Q-sized colloidal semiconductor hetero-junctions. <i>Synthetic Metals</i> , 2003, 139, 593-596.	2.1	14
123	Surface Functionalization of Epoxy Resin-Based Microcantilevers with Iron Oxide Nanocrystals. <i>Advanced Materials</i> , 2010, 22, 3288-3292.	11.1	14
124	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
125	Thermoplasmonic Activated Reverse-Mode Liquid Crystal Gratings. <i>ACS Applied Nano Materials</i> , 2019, 2, 3315-3322.	2.4	14
126	CdS Nanocrystals from a Quaternary Water-in-Oil Microemulsion: Preparation and Characterization of Self-Assembled Layers. <i>Journal of Colloid and Interface Science</i> , 2001, 243, 165-170.	5.0	13

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127	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
128	Plasmon mediated super-absorber flexible nanocomposites for metamaterials. <i>Nanoscale</i> , 2013, 5, 6097.	2.8	13
129	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
130	Quantum Dot Based Luminescent Nanoprobes for Sigma-2 Receptor Imaging. <i>Molecular Pharmaceutics</i> , 2018, 15, 458-471.	2.3	13
131	Preparation and characterisation of organic-inorganic heterojunction based on BDA-PPV/CdS nanocrystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 74, 175-179.	1.7	12
132	Assembly of Gold Nanorods for Highly Sensitive Detection of Mercury Ions. <i>IEEE Sensors Journal</i> , 2013, 13, 2834-2841.	2.4	12
133	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
134	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
135	Gain-assisted plasmonic metamaterials: mimicking nature to go across scales. <i>Rendiconti Lincei</i> , 2015, 26, 161-174.	1.0	12
136	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
137	Solvent dispersible nanocomposite based on Reduced Graphene Oxide and in-situ decorated gold nanoparticles. <i>Carbon</i> , 2019, 152, 777-787.	5.4	12
138	Structural Investigation of Three-Dimensional Self-Assembled PbS Binary Superlattices. <i>Crystal Growth and Design</i> , 2010, 10, 3770-3774.	1.4	11
139	Precision Patterning with Luminescent Nanocrystal-Functionalized Beads. <i>Langmuir</i> , 2010, 26, 14294-14300.	1.6	11
140	Colloidal nanocrystal ZnO- and TiO ₂ -modified electrodes sensitized with chlorophyll a and carotenoids: a photoelectrochemical study. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6467-6481.	0.8	11
141	Surface chemical functionalization of single walled carbon nanotubes with a bacteriorhodopsin mutant. <i>Nanoscale</i> , 2012, 4, 6434.	2.8	11
142	Metallic nanoparticles enhanced the spontaneous emission of semiconductor nanocrystals embedded in nanoimprinted photonic crystals. <i>Nanoscale</i> , 2013, 5, 239-245.	2.8	11
143	Plasmonic Thermometer Based on Thermotropic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 614, 93-99.	0.4	11
144	Surface Engineering of Gold Nanorods for Cytochrome <i>c</i> Bioconjugation: An Effective Strategy To Preserve the Protein Structure. <i>ACS Omega</i> , 2018, 3, 4959-4967.	1.6	11

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145	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
146	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
147	Polyelectrolyte Multilayers As a Platform for Luminescent Nanocrystal Patterned Assemblies. <i>Langmuir</i> , 2012, 28, 5964-5974.	1.6	10
148	Nanocomposites based on highly luminescent nanocrystals and semiconducting conjugated polymer for inkjet printing. <i>Nanotechnology</i> , 2012, 23, 075701.	1.3	10
149	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
150	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
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