

Yurii K Gun'ko

List of Publications by Year in descending order

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323
papers

26,141
citations

13099

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6654

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335
all docs

335
docs citations

335
times ranked

32755
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-world natural passivation phenomena can limit microplastic generation in water. Chemical Engineering Journal, 2022, 428, 132466.	12.7	8
2	Magnetic nanoparticles and nanoobjects used for medical applications. , 2022, , 59-105.		0
3	High-Performance Boron Nitride-Based Membranes for Water Purification. Nanomaterials, 2022, 12, 473.	4.1	16
4	Optimization of Zn ²⁺ /Mn ferrite nanoparticles for low frequency hyperthermia: Exploiting the potential of superquadratic field dependence of magnetothermal response. Applied Physics Letters, 2022, 120, 102403.	3.3	8
5	Photoluminescent, ice-cream cone-like Cu ²⁺ /In ³⁺ (Zn) ²⁺ /ZnS nanoheterostructures. Scientific Reports, 2022, 12, 5787.	3.3	3
6	Chiroptically Active 1D Ultrathin AuAg Nanostructures. Journal of Physical Chemistry C, 2022, 126, 434-443.	3.1	3
7	Solution-based bottom-up synthesis of group VI transition metal dichalcogenides and their applications. Materials Advances, 2021, 2, 146-164.	5.4	43
8	Lab-on-Microsphere ² -FRET-Based Multiplex Sensor Platform. Nanomaterials, 2021, 11, 109.	4.1	2
9	Sampling, Identification and Characterization of Microplastics Release from Polypropylene Baby Feeding Bottle during Daily Use. Journal of Visualized Experiments, 2021, , .	0.3	5
10	Enantioselective effect of cysteine functionalized mesoporous silica nanoparticles in U87 MG and GM08680 human cells and <i>Staphylococcus aureus</i> bacteria. Journal of Materials Chemistry B, 2021, 9, 3544-3553.	5.8	2
11	Anisotropic nanomaterials for asymmetric synthesis. Nanoscale, 2021, 13, 20354-20373.	5.6	9
12	Bactericidal Activity of Multilayered Hybrid Structures Comprising Titania Nanoparticles and CdSe Quantum Dots under Visible Light. Nanomaterials, 2021, 11, 3331.	4.1	5
13	Photophysics of Titania Nanoparticle/Quantum Dot Hybrid Structures. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2020, 128, 1256-1261.	0.6	1
14	FRET-Based Analysis of AgInS ₂ /ZnAgInS/ZnS Quantum Dot Recombination Dynamics. Nanomaterials, 2020, 10, 2455.	4.1	15
15	Investigation of Magnetic Circular Dichroism Spectra of Semiconductor Quantum Rods and Quantum Dot-in-Rods. Nanomaterials, 2020, 10, 1059.	4.1	3
16	Characterising and control of ammonia emission in microbial fuel cells. Chemical Engineering Journal, 2020, 389, 124462.	12.7	14
17	Near-infrared-emitting CIZe/CIZS/ZnS colloidal heteronanonail structures. Nanoscale, 2020, 12, 15295-15303.	5.6	9
18	Amino-Functionalized Mesoporous Silica Nanoparticle-Encapsulated Octahedral Organoruthenium Complex as an Efficient Platform for Combatting Cancer. Inorganic Chemistry, 2020, 59, 10275-10284.	4.0	26

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19	Photocatalytic properties of hybrid structures based on Titania nanoparticles and semiconductor quantum dots. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	2
20	Recent progress and future prospects in development of advanced materials for nanofiltration. <i>Materials Today Communications</i> , 2020, 23, 100888.	1.9	51
21	One Dimensional AuAg Nanostructures as Anodic Catalysts in the Ethylene Glycol Oxidation. <i>Nanomaterials</i> , 2020, 10, 719.	4.1	9
22	Ligand-Assisted Formation of Graphene/Quantum Dot Monolayers with Improved Morphological and Electrical Properties. <i>Nanomaterials</i> , 2020, 10, 723.	4.1	5
23	Microplastic release from the degradation of polypropylene feeding bottles during infant formula preparation. <i>Nature Food</i> , 2020, 1, 746-754.	14.0	270
24	Ligand-induced chirality and optical activity in semiconductor nanocrystals: theory and applications. <i>Nanophotonics</i> , 2020, 10, 797-824.	6.0	42
25	Searching for the nano effect in Cu-HCF (II) particles to improve Cs sorption efficiency: Highlighting the use of intrinsic magnetism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123758.	4.7	5
26	Synthesis of centimeter-size free-standing perovskite nanosheets from single-crystal lead bromide for optoelectronic devices. <i>Scientific Reports</i> , 2019, 9, 11738.	3.3	9
27	Photochemically Induced Circular Dichroism of Semiconductor Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19979-19983.	3.1	9
28	Luminescent calcium carbonate micro β -bow ties TM . <i>Materials Today Communications</i> , 2019, 20, 100590.	1.9	5
29	Investigation of AgInS ₂ /ZnS Quantum Dots by Magnetic Circular Dichroism Spectroscopy. <i>Materials</i> , 2019, 12, 3616.	2.9	15
30	Effect of Chiral Ligand Concentration and Binding Mode on Chiroptical Activity of CdSe/CdS Quantum Dots. <i>ACS Nano</i> , 2019, 13, 13560-13572.	14.6	65
31	Circular Dichroism Spectroscopy as a Powerful Tool for Unraveling Assembly of Chiral Nonluminescent Aggregates of Photosensitizer Molecules on Nanoparticle Surfaces. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8028-8035.	2.5	7
32	Magneto-Fluorescent Microbeads for Bacteria Detection Constructed from Superparamagnetic Fe ₃ O ₄ Nanoparticles and AIS/ZnS Quantum Dots. <i>Analytical Chemistry</i> , 2019, 91, 12661-12669.	6.5	46
33	Porous flower-like superstructures based on self-assembled colloidal quantum dots for sensing. <i>Scientific Reports</i> , 2019, 9, 617.	3.3	2
34	Macroscopic Vortex-Induced Optical Activity in Silver Nanowires. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15307-15313.	3.1	6
35	Photoinduced Charge Transfer in Hybrid Structures Based on Titanium Dioxide NPs with Multicomponent QD Exciton Luminescence Decay. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14790-14796.	3.1	7
36	Tunable synthesis of ultrathin AuAg nanowires and their catalytic applications. <i>Nanoscale</i> , 2019, 11, 4328-4336.	5.6	8

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37	Electrophoretic Deposition of Quantum Dots and Characterisation of Composites. <i>Materials</i> , 2019, 12, 4089.	2.9	11
38	Pt and RhPt dendritic nanowires and their potential application as anodic catalysts for fuel cells. <i>RSC Advances</i> , 2019, 9, 31169-31176.	3.6	2
39	Optical Properties, Synthesis, and Potential Applications of Cu-Based Ternary or Quaternary Anisotropic Quantum Dots, Polytypic Nanocrystals, and Core/Shell Heterostructures. <i>Nanomaterials</i> , 2019, 9, 85.	4.1	76
40	Photoinduced increase of electron transfer efficiency of QDs based hybrid structures. , 2019, , .		1
41	An Investigation of Open, Interconnected Porosity in 3D-printed Alumina. <i>Ceramics in Modern Technologies</i> , 2019, 1, 145-151.	0.3	2
42	3D superstructures with an orthorhombic lattice assembled by colloidal PbS quantum dots. <i>Nanoscale</i> , 2018, 10, 8313-8319.	5.6	4
43	Adaptable surfactant-mediated method for the preparation of anisotropic metal chalcogenide nanomaterials. <i>Scientific Reports</i> , 2018, 8, 2860.	3.3	24
44	Strong Enhancement of PbS Quantum Dot NIR Emission Using Plasmonic Semiconductor Nanocrystals in Nanoporous Silicate Matrix. <i>Advanced Optical Materials</i> , 2018, 6, 1701055.	7.3	17
45	Induction of Chirality in Two-Dimensional Nanomaterials: Chiral 2D MoS ₂ Nanostructures. <i>ACS Nano</i> , 2018, 12, 954-964.	14.6	93
46	Influence of CdSe and CdSe/CdS nanocrystals on the optical activity of chiral organic molecules. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1759-1766.	5.5	8
47	One-Step Solution Combustion Synthesis of Cobalt Nanopowder in Air Atmosphere: The Fuel Effect. <i>Inorganic Chemistry</i> , 2018, 57, 1464-1473.	4.0	33
48	Large area quantum dot luminescent solar concentrators for use with dye-sensitised solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2671-2680.	10.3	46
49	Excitation Energy Dependence of the Photoluminescence Quantum Yield of Core/Shell CdSe/CdS Quantum Dots and Correlation with Circular Dichroism. <i>Chemistry of Materials</i> , 2018, 30, 465-471.	6.7	27
50	Magnetic and Optical Properties of Isolated and Aggregated CoFe ₂ O ₄ Superparamagnetic Nanoparticles Studied by MCD Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11491-11497.	3.1	14
51	Synthesis and Magnetic Properties of L-Alanine Capped CoFe ₂ O ₄ Nanoparticles. <i>ChemistrySelect</i> , 2018, 3, 4726-4729.	1.5	3
52	A highly luminescent porous metamaterial based on a mixture of gold and alloyed semiconductor nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5278-5285.	5.5	12
53	Inflammatory microglia are glycolytic and iron retentive and typify the microglia in APP/PS1 mice. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 183-196.	4.1	137
54	Deposition of Magnetite Nanofilms by Pulsed Injection MOCVD in a Magnetic Field. <i>Nanomaterials</i> , 2018, 8, 1064.	4.1	2

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55	Mesoporous Silica Materials as Drug Delivery: "The Nightmare" of Bacterial Infection. <i>Pharmaceutics</i> , 2018, 10, 279.	4.5	70
56	Polyelectrolyte-Stabilised Magnetic-Plasmonic Nanocomposites. <i>Nanomaterials</i> , 2018, 8, 1044.	4.1	4
57	Investigation of Quantum Dot–Metal Halide Interactions and Their Effects on Optical Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25075-25084.	3.1	4
58	Photocatalytic Properties of Hybrid Nanostructures Based on Nanoparticles of TiO ₂ and Semiconductor Quantum Dots. <i>Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlook 10 Tf 50 617 Td</i>	10.1	50
59	Cadmium nanoparticles citrullinate cytokeratins within lung epithelial cells: cadmium as a potential cause of citrullination in chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , 2018, Volume 13, 441-449.	2.3	29
60	Optically Active Semiconductor Nanosprings for Tunable Chiral Nanophotonics. <i>ACS Nano</i> , 2018, 12, 6203-6209.	14.6	14
61	Multimodal Magnetic-Plasmonic Nanoparticles for Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 97.	2.5	50
62	Recent Progress in Synthesis and Functionalization of Multimodal Fluorescent-Magnetic Nanoparticles for Biological Applications. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 172.	2.5	50
63	ZnO Nanostructures for Drug Delivery and Theranostic Applications. <i>Nanomaterials</i> , 2018, 8, 268.	4.1	167
64	Preparation from a revisited wet chemical route of phase-pure, monocrystalline and SHG-efficient BiFeO ₃ nanoparticles for harmonic bio-imaging. <i>Scientific Reports</i> , 2018, 8, 10473.	3.3	18
65	Water-Soluble Conjugates of ZnS:Mn Quantum Dots with Chlorin e6 for Photodynamic Therapy. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018, 125, 94-98.	0.6	4
66	Chiral recognition of optically active CoFe ₂ O ₄ magnetic nanoparticles by CdSe/CdS quantum dots stabilised with chiral ligands. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1692-1698.	5.5	29
67	Optical Activity of Chiral Nanoscrolls. <i>Advanced Optical Materials</i> , 2017, 5, 1600982.	7.3	29
68	Chiral and Luminescent TiO ₂ Nanoparticles. <i>Advanced Optical Materials</i> , 2017, 5, 1601000.	7.3	31
69	Photoinduced processes in hybrid structures on the basis of TiO ₂ nanoparticles and CdSe/ZnS quantum dots. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017, 122, 106-109.	0.6	2
70	Dynamic in-situ sensing of fluid-dispersed 2D materials integrated on microfluidic Si chip. <i>Scientific Reports</i> , 2017, 7, 42120.	3.3	15
71	Intraband optical activity of semiconductor nanocrystals. <i>Chirality</i> , 2017, 29, 159-166.	2.6	13
72	Rare Earth Doped Silica Nanoparticles via Thermolysis of a Single Source Metallasilsesquioxane Precursor. <i>Scientific Reports</i> , 2017, 7, 45862.	3.3	36

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73	Optical activity of semiconductor nanocrystals with ionic impurities. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2017, 122, 64-68.	0.6	2
74	One-step solution combustion synthesis of pure Ni nanopowders with enhanced coercivity: The fuel effect. Journal of Solid State Chemistry, 2017, 253, 270-276.	2.9	33
75	Colloidal quantum dots for optoelectronics. Journal of Materials Chemistry A, 2017, 5, 13252-13275.	10.3	167
76	Synthesis of CaCO ₃ nano- and micro-particles by dry ice carbonation. Chemical Communications, 2017, 53, 6657-6660.	4.1	64
77	Enantioselective cytotoxicity of ZnS:Mn quantum dots in A549 cells. Chirality, 2017, 29, 403-408.	2.6	25
78	Optical activity of helical quantum-dot supercrystals. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	3
79	Magnetically activated adhesives: towards on-demand magnetic triggering of selected polymerisation reactions. Chemical Science, 2017, 8, 7758-7764.	7.4	6
80	Investigations into the electrochemical etching process of p-type silicon using ethanol-surfactant solutions. AIP Conference Proceedings, 2017, , .	0.4	0
81	Impact of Shell Thickness on Photoluminescence and Optical Activity in Chiral CdSe/CdS Core/Shell Quantum Dots. ACS Nano, 2017, 11, 9207-9214.	14.6	68
82	Application of semiconductor quantum dots in bioimaging and biosensing. Journal of Materials Chemistry B, 2017, 5, 6701-6727.	5.8	265
83	Synthesis of Millimeter-Size Freestanding Perovskite Nanofilms from Single-Crystal Lead Bromide for Optoelectronic Devices. , 2017, , .		0
84	Nanoparticles in Bioimaging. Nanomaterials, 2016, 6, 105.	4.1	18
85	Enhancing Förster nonradiative energy transfer via plasmon interaction. , 2016, , .		1
86	Electrophoretic separation and deposition of metalâ€“graphene nanocomposites and their application as electrodes in solar cells. RSC Advances, 2016, 6, 64097-64109.	3.6	9
87	Completely Chiral Optical Force for Enantioseparation. Scientific Reports, 2016, 6, 36884.	3.3	57
88	Mixing of quantum states: A new route to creating optical activity. Scientific Reports, 2016, 6, 5.	3.3	28
89	Aggregation of quantum dots in hybrid structures based on TiO ₂ nanoparticles. Proceedings of SPIE, 2016, , .	0.8	1
90	Complexes of photosensitizer and CdSe/ZnS quantum dots passivated with BSA: optical properties and intracomplex energy transfer. , 2016, , .		1

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91	Engineering Optical Activity of Semiconductor Nanocrystals via Ion Doping. <i>Nanophotonics</i> , 2016, 5, 573-578.	6.0	24
92	Circular Dichroism of Electric-Field-Oriented CdSe/CdS Quantum Dots-in-Rods. <i>ACS Nano</i> , 2016, 10, 8904-8909.	14.6	12
93	In one harness: the interplay of cellular responses and subsequent cell fate after quantum dot uptake. <i>Nanomedicine</i> , 2016, 11, 2603-2615.	3.3	5
94	Molecular Recognition of Biomolecules by Chiral CdSe Quantum Dots. <i>Scientific Reports</i> , 2016, 6, 24177.	3.3	46
95	Chiral quantum supercrystals with total dissymmetry of optical response. <i>Scientific Reports</i> , 2016, 6, 23321.	3.3	23
96	Enantioselective cellular uptake of chiral semiconductor nanocrystals. <i>Nanotechnology</i> , 2016, 27, 075102.	2.6	54
97	Characterization protocol to improve the electroanalytical response of graphene-polymer nanocomposite sensors. <i>Composites Science and Technology</i> , 2016, 125, 71-79.	7.8	26
98	Amperometric thyroxine sensor using a nanocomposite based on graphene modified with gold nanoparticles carrying a thiolated β -cyclodextrin. <i>Mikrochimica Acta</i> , 2016, 183, 1579-1589.	5.0	40
99	The effect of β -Jelly-CdTe QD uptake on RAW264.7 monocytes: immune responses and cell fate study. <i>Toxicology Research</i> , 2016, 5, 180-187.	2.1	7
100	The chiral nano-world: chiroptically active quantum nanostructures. <i>Nanoscale Horizons</i> , 2016, 1, 14-26.	8.0	99
101	Recent progress in chiral inorganic nanostructures. <i>SPR Nanoscience</i> , 2016, , 1-30.	0.6	40
102	Fast and scalable synthesis of lead halide perovskite nanowires for tunable room-temperature nanolasers. , 2016, , .		1
103	Optically active II-VI semiconductor nanocrystals via chiral phase transfer. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1793, 27-33.	0.1	8
104	Giant Optical Activity of Quantum Dots, Rods and Disks with Screw Dislocations. <i>Scientific Reports</i> , 2015, 5, 14712.	3.3	49
105	Development of Graphene Nano-Platelet Based Counter Electrodes for Solar Cells. <i>Materials</i> , 2015, 8, 5953-5973.	2.9	19
106	The interaction of QDs with RAW264.7 cells: nanoparticle quantification, uptake kinetics and immune responses study. <i>RSC Advances</i> , 2015, 5, 42250-42258.	3.6	5
107	Dislocation-Induced Chirality of Semiconductor Nanocrystals. <i>Nano Letters</i> , 2015, 15, 1710-1715.	9.1	64
108	Photoluminescence of a quantum-dot molecule. <i>Journal of Applied Physics</i> , 2015, 117, 014306.	2.5	11

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109	Chlorin e6â€“ZnSe/ZnS quantum dots based system as reagent for photodynamic therapy. <i>Nanotechnology</i> , 2015, 26, 055102.	2.6	72
110	Preparation of chiral quantum dots. <i>Nature Protocols</i> , 2015, 10, 558-573.	12.0	109
111	Intrinsic Chirality of CdSe/ZnS Quantum Dots and Quantum Rods. <i>Nano Letters</i> , 2015, 15, 2844-2851.	9.1	153
112	Hot plasmonic electrons for generation of enhanced photocurrent in gold-TiO2 nanocomposites. <i>Nanoscale Research Letters</i> , 2015, 10, 38.	5.7	42
113	Advances in the Organometallic Chemistry of Carbon Nanomaterials. <i>Organometallics</i> , 2015, 34, 2086-2097.	2.3	20
114	An experimental and theoretical assessment of quantum dot cytotoxicity. <i>Toxicology Research</i> , 2015, 4, 1409-1415.	2.1	6
115	Optically active quantum dots. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
116	Water-based ultrasonic synthesis of SbSI nanoneedles. <i>Materials Letters</i> , 2015, 160, 113-116.	2.6	9
117	Blood biocompatibility of surface-bound multi-walled carbon nanotubes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 39-46.	3.3	24
118	The Expeimental Setup for Measuring of Thermal Parameters of Magnetic Fluids in AC Magnetic Field. <i>Solid State Phenomena</i> , 2014, 215, 454-458.	0.3	7
119	Investigation of biocompatible complexes of Mn ²⁺ -doped ZnS quantum dots with chlorin e6. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2014, 81, 444.	0.4	7
120	Chiral quantum dot based materials. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
121	Stretchable optical device with electrically tunable absorbance and fluorescence. <i>Smart Materials and Structures</i> , 2014, 23, 015009.	3.5	5
122	Photogeneration of hot plasmonic electrons with metal nanocrystals: Quantum description and potential applications. <i>Nano Today</i> , 2014, 9, 85-101.	11.9	270
123	Carbon nanomaterial based counter electrodes for dye sensitized solar cells. <i>Solar Energy</i> , 2014, 102, 152-161.	6.1	39
124	Fabrication of highly transparent and conducting PEDOT:PSS films using a formic acid treatment. <i>Journal of Materials Chemistry C</i> , 2014, 2, 764-770.	5.5	119
125	A safe-by-design approach to the development of gold nanoboxes as carriers for internalization into cancer cells. <i>Biomaterials</i> , 2014, 35, 2543-2557.	11.4	41
126	Harnessing the Shape-Induced Optical Anisotropy of a Semiconductor Nanocrystal: A New Type of Intraband Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2867-2876.	3.1	11

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127	Influence of intermolecular interactions on spectroscopic characteristics of metal nanoparticles and their composites. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24536-24548.	2.8	6
128	The optimisation of dye sensitised solar cell working electrodes for graphene and SWCNTs containing quasi-solid state electrolytes. <i>Solar Energy</i> , 2014, 110, 239-246.	6.1	17
129	Wash-free highly sensitive detection of C-reactive protein using gold derivatised triangular silver nanoplates. <i>RSC Advances</i> , 2014, 4, 29022-29031.	3.6	25
130	Enhanced chiroptical properties of a hybrid material consisting of J-aggregates and silver nanoparticles. , 2014, , .		0
131	Optical properties of hollow polymer microspheres loaded with semiconductor quantum dots. , 2014, , .		0
132	Phonon-induced photoluminescence from a single quantum dot in the regime vibrational resonance. , 2014, , .		0
133	Magnetic Nanoparticles to Recover Cellular Organelles and Study the Time Resolved Nanoparticle-Cell Interactome throughout Uptake. <i>Small</i> , 2014, 10, 3307-3315.	10.0	59
134	Experimental and Theoretical Investigation of the Distance Dependence of Localized Surface Plasmon Coupled Förster Resonance Energy Transfer. <i>ACS Nano</i> , 2014, 8, 1273-1283.	14.6	130
135	Heparin conjugated quantum dots for in vitro imaging applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1853-1861.	3.3	11
136	Recent Advances in the Application of Magnetic Nanoparticles as a Support for Homogeneous Catalysts. <i>Nanomaterials</i> , 2014, 4, 222-241.	4.1	260
137	Synthesis Characterization and Photocatalytic Studies of Cobalt Ferrite-Silica-Titania Nanocomposites. <i>Nanomaterials</i> , 2014, 4, 331-343.	4.1	47
138	Magnetic Nanomaterials and Their Applications. <i>Nanomaterials</i> , 2014, 4, 505-507.	4.1	2
139	Chiral Nanostructures with Plasmon and Exciton Resonances. , 2014, , 1-55.		1
140	Transient pump-probe absorption spectroscopy of semiconductor nanodumbbells. , 2014, , .		0
141	Efficient Quenching of TGA-Capped CdTe Quantum Dot Emission by a Surface-Coordinated Europium(III) Cyclen Complex. <i>Inorganic Chemistry</i> , 2013, 52, 4133-4135.	4.0	21
142	Theory of Photoinjection of Hot Plasmonic Carriers from Metal Nanostructures into Semiconductors and Surface Molecules. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16616-16631.	3.1	499
143	Investigation of Complexes of CdTe Quantum Dots with the ALOH-Sulphophthalocyanine Molecules in Aqueous Media. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23425-23431.	3.1	16
144	Preparation and Investigation of Quantum-Dot-Loaded Hollow Polymer Microspheres. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24527-24536.	3.1	9

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145	Chapter 1. Gold and silver nanostructures of controlled shape. <i>SPR Nanoscience</i> , 2013, , 1-22.	0.6	1
146	Magnetic core-shell nanoparticles for drug delivery by nebulization. <i>Journal of Nanobiotechnology</i> , 2013, 11, 1.	9.1	172
147	Strong Enhancement of Circular Dichroism in a Hybrid Material Consisting of J-Aggregates and Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13708-13712.	3.1	18
148	Graphene-ionic liquid electrolytes for dye sensitised solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8379.	10.3	47
149	Chapter 4. Chemical Functionalisation of Carbon Nanotubes for Polymer Reinforcement. <i>RSC Nanoscience and Nanotechnology</i> , 2013, , 72-119.	0.2	2
150	Transient intraband absorption of light by semiconductor nanorods. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2013, 80, 648.	0.4	2
151	Oligonucleotide Functionalization of Hollow Triangular Gold Silver Alloy Nanoboxes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 669-676.	3.1	6
152	Optical Properties and In Vitro Biological Studies of Oligonucleotide-Modified Quantum Dots. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-10.	2.7	4
153	(S)-Proline-Derived Catalysts for the Acylative Kinetic Resolution of Alcohols: A Remote Structural Change Allows a Complete Selectivity Switch. <i>Synlett</i> , 2013, 24, 1728-1734.	1.8	11
154	Quantum Dot Synthesis Methods. , 2013, , 1-42.		0
155	Large energy transfer distance to a plane of gold nanoparticles. , 2012, , .		3
156	Photophysical studies of CdTe quantum dots in the presence of a zinc cationic porphyrin. <i>Dalton Transactions</i> , 2012, 41, 13159.	3.3	27
157	High surface area ordered mesoporous nano-titania by a rapid surfactant-free approach. <i>Journal of Materials Chemistry</i> , 2012, 22, 20374.	6.7	37
158	Preparation of multifunctional nanoparticles and their assemblies. <i>Nature Protocols</i> , 2012, 7, 1677-1693.	12.0	103
159	Towards white luminophores: developing luminescent silica on the nanoscale. <i>Journal of Materials Chemistry</i> , 2012, 22, 7358.	6.7	17
160	Quantum dots for Luminescent Solar Concentrators. <i>Journal of Materials Chemistry</i> , 2012, 22, 16687.	6.7	169
161	Effect of Metal Nanoparticle Concentration on Localized Surface Plasmon Mediated Förster Resonant Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26529-26534.	3.1	39
162	Oxygen Radical Functionalization of Boron Nitride Nanosheets. <i>Journal of the American Chemical Society</i> , 2012, 134, 18758-18771.	13.7	464

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163	Evaluating the Potential of Quantum Dots for In Vitro Biological Studies: Effects on Gene Expression Using Microarray Analysis. , 2012, 906, 171-183.		0
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316	Kinetically stable adduct of samarocene with aluminium deuteride (<i>η</i> -5-C ₅ H ₃ tBu ₂) ₂ Sm(<i>η</i> -4-D) ₂ AlH·Me ₂ NC ₂ H ₄ NMe ₂ . <i>Journal of Organometallic Chemistry</i> , 1992, 440, 47-52.	1.8	8
317	Crystal and molecular structures of bis(1,3-di- <i>tert</i> -butylcyclopentadienyl)cerium chloride and borohydride. First example of the bridging tetradentate BH ₄ -group with two <i>η</i> -3-hydrogens: <i>η</i> -4 : <i>η</i> -4-[(<i>η</i> -3-H) ₂ B(<i>η</i> -4-H) ₂]. <i>Journal of Organometallic Chemistry</i> , 1991, 406, 343-352.	1.8	53
318	Coordinationally oversaturated metallocene derivatives. The crystal and molecular structure of [<i>η</i> -5-C ₅ H ₅) ₂ Sm(<i>η</i> -3-H) ₂][(<i>η</i> -4-H) ₂ AlH·N(C ₂ H ₅) ₃] ₂ and [<i>η</i> -5-C ₅ H ₄ tBu) ₂ Sm(<i>η</i> -4-H) ₂][(<i>η</i> -3-H) ₂ Al(<i>η</i> -4-H) ₂] ₂ ·Me ₂ NC ₂ H ₄ NMe ₂ complexes. <i>Journal of Organometallic Chemistry</i> , 1991, 419, 299-310.		
319	Crystal and molecular structures of the octanuclear aluminohydride samarium complex (<i>η</i> -5-C ₅ H ₃ tBu ₂) ₂ Sm[(<i>η</i> -2-H) ₂ (<i>η</i> -3-H) ₂ Al(Me ₂ NC ₂ H ₄ NMe ₂)] ₂ [(<i>η</i> -5-C ₅ H ₃ tBu ₂) ₂ SmH] ₂ [(<i>η</i> -2-H) ₃ Al(<i>η</i> -2-H) ₃][(<i>η</i> -3-H) ₂ Sm(<i>η</i> -5-C ₅ H ₃ tBu ₂) ₂]. <i>Journal of Organometallic Chemistry</i> , 1991, 420, 43-52.	1.8	13
320	The crystal and molecular structure of the 20-electron aluminohydride complex of bis(<i>t</i> -butylcyclopentadienyl)samarium {[(<i>η</i> -5-C ₅ H ₄ tBu) ₂ Sm(<i>η</i> -3-H)][(<i>η</i> -4-H) ₂ AlH·OC ₄ H ₈]} ₂ . <i>Journal of Organometallic Chemistry</i> , 1990, 390, 153-158.	1.8	29
321	Preparation and Characterisation of Metallorganic Precursors Derived Iron Oxides on Porous Silicon Layers. <i>Materials Science Forum</i> , 0, 995, 63-68.	0.3	0
322	Controlled synthesis of luminescent CIZS/ZnS/ZnS core/shell/shell nanoheterostructures. <i>CrytEngComm</i> , 0, , .	2.6	1
323	Cerium oxide nanoparticles anchored onto graphene oxide for the removal of heavy metal ions dissolved in water. , 0, 124, 134-145.		8