

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	High-yield production of graphene by liquid-phase exfoliation of graphite. <i>Nature Nanotechnology</i> , 2008, 3, 563-568.	31.5	5,431
2	Small but strong: A review of the mechanical properties of carbon nanotube-polymer composites. <i>Carbon</i> , 2006, 44, 1624-1652.	10.3	3,611
3	Mechanical Reinforcement of Polymers Using Carbon Nanotubes. <i>Advanced Materials</i> , 2006, 18, 689-706.	21.0	1,504
4	Recent Advances in Research on Carbon Nanotube-Polymer Composites. <i>Advanced Materials</i> , 2010, 22, 1672-1688.	21.0	788
5	High Performance Nanotube-Reinforced Plastics: Understanding the Mechanism of Strength Increase. <i>Advanced Functional Materials</i> , 2004, 14, 791-798.	14.9	575
6	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
7	Oxygen Radical Functionalization of Boron Nitride Nanosheets. <i>Journal of the American Chemical Society</i> , 2012, 134, 18758-18771.	13.7	464
8	Multifunctional Magnetic-fluorescent Nanocomposites for Biomedical Applications. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	436
9	Photogeneration of hot plasmonic electrons with metal nanocrystals: Quantum description and potential applications. <i>Nano Today</i> , 2014, 9, 85-101.	11.9	270
10	Microplastic release from the degradation of polypropylene feeding bottles during infant formula preparation. <i>Nature Food</i> , 2020, 1, 746-754.	14.0	270
11	Application of semiconductor quantum dots in bioimaging and biosensing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6701-6727.	5.8	265
12	Recent Advances in the Application of Magnetic Nanoparticles as a Support for Homogeneous Catalysts. <i>Nanomaterials</i> , 2014, 4, 222-241.	4.1	260
13	A Magnetic-Nanoparticle-Supported 4-N,N-Dialkylaminopyridine Catalyst: Excellent Reactivity Combined with Facile Catalyst Recovery and Recyclability. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4329-4332.	13.8	258
14	Chiral highly luminescent CdS quantum dots. <i>Chemical Communications</i> , 2007, , 3900.	4.1	243
15	A Generic Organometallic Approach toward Ultra-Strong Carbon Nanotube Polymer Composites. <i>Journal of the American Chemical Society</i> , 2004, 126, 10226-10227.	13.7	227
16	Chiral nanoparticle assemblies: circular dichroism, plasmonic interactions, and exciton effects. <i>Journal of Materials Chemistry</i> , 2011, 21, 16806.	6.7	227
17	Nonfunctionalized Nanocrystals Can Exploit a Cell's Active Transport Machinery Delivering Them to Specific Nuclear and Cytoplasmic Compartments. <i>Nano Letters</i> , 2007, 7, 3452-3461.	9.1	219
18	Carbon Nanomaterials for Dye-Sensitized Solar Cell Applications: A Bright Future. <i>Advanced Energy Materials</i> , 2011, 1, 472-485.	19.5	196

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19	Chiral Shells and Achiral Cores in CdS Quantum Dots. <i>Nano Letters</i> , 2008, 8, 2452-2457.	9.1	186
20	Disiloxanediolates and polyhedral metallasilsesquioxanes of the early transition metals and f-elements. <i>Coordination Chemistry Reviews</i> , 2000, 206-207, 321-368.	18.8	172
21	Magnetic core-shell nanoparticles for drug delivery by nebulization. <i>Journal of Nanobiotechnology</i> , 2013, 11, 1.	9.1	172
22	Quantum dots for Luminescent Solar Concentrators. <i>Journal of Materials Chemistry</i> , 2012, 22, 16687.	6.7	169
23	Colloidal quantum dots for optoelectronics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13252-13275.	10.3	167
24	ZnO Nanostructures for Drug Delivery and Theranostic Applications. <i>Nanomaterials</i> , 2018, 8, 268.	4.1	167
25	High-Content Screening as a Universal Tool for Fingerprinting of Cytotoxicity of Nanoparticles. <i>ACS Nano</i> , 2008, 2, 928-938.	14.6	165
26	Surface Plasmon Enhanced Energy Transfer between Donor and Acceptor CdTe Nanocrystal Quantum Dot Monolayers. <i>Nano Letters</i> , 2011, 11, 3341-3345.	9.1	159
27	Optimisation of the synthesis and modification of CdTe quantum dots for enhanced live cell imaging. <i>Journal of Materials Chemistry</i> , 2006, 16, 2896.	6.7	154
28	Intrinsic Chirality of CdSe/ZnS Quantum Dots and Quantum Rods. <i>Nano Letters</i> , 2015, 15, 2844-2851.	9.1	153
29	Versatile Solution Phase Triangular Silver Nanoplates for Highly Sensitive Plasmon Resonance Sensing. <i>ACS Nano</i> , 2010, 4, 55-64.	14.6	150
30	Linear Assemblies of Magnetic Nanoparticles as MRI Contrast Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 4214-4215.	13.7	142
31	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
32	Wavelength, Concentration, and Distance Dependence of Nonradiative Energy Transfer to a Plane of Gold Nanoparticles. <i>ACS Nano</i> , 2012, 6, 9283-9290.	14.6	131
33	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
34	The First Magnetic Nanoparticle-Supported Chiral DMAP Analogue: Highly Enantioselective Acylation and Excellent Recyclability. <i>Chemistry - A European Journal</i> , 2009, 15, 5669-5673.	3.3	128
35	Improvement of mechanical properties of graphene oxide/poly(allylamine) composites by chemical crosslinking. <i>Carbon</i> , 2010, 48, 3376-3381.	10.3	128
36	A Simple Sol-Gel Processing for the Development of High-Temperature Stable Photoactive Anatase Titania. <i>Chemistry of Materials</i> , 2007, 19, 4474-4481.	6.7	122

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37	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
38	Concentration dependence of Förster resonant energy transfer between donor and acceptor nanocrystal quantum dot layers: Effect of donor-donor interactions. <i>Physical Review B</i> , 2011, 83, .	3.2	111
39	Off-resonance surface plasmon enhanced spontaneous emission from CdTe quantum dots. <i>Applied Physics Letters</i> , 2006, 89, 253118.	3.3	109
40	Preparation of chiral quantum dots. <i>Nature Protocols</i> , 2015, 10, 558-573.	12.0	109
41	The preparation of hybrid films of carbon nanotubes and nano-graphite/graphene with excellent mechanical and electrical properties. <i>Carbon</i> , 2010, 48, 2825-2830.	10.3	103
42	Preparation of multifunctional nanoparticles and their assemblies. <i>Nature Protocols</i> , 2012, 7, 1677-1693.	12.0	103
43	Highly Enantioselective Desymmetrization of <i>Meso</i> Anhydrides by a Bifunctional Thiourea-Based Organocatalyst at Low Catalyst Loadings and Room Temperature. <i>Journal of Organic Chemistry</i> , 2008, 73, 2454-2457.	3.2	102
44	From Ag Nanoprisms to Triangular AuAg Nanoboxes. <i>Advanced Functional Materials</i> , 2010, 20, 1329-1338.	14.9	100
45	“Jelly Dots” Synthesis and Cytotoxicity Studies of CdTe Quantum Dot-Gelatin Nanocomposites. <i>Small</i> , 2007, 3, 1152-1156.	10.0	99
46	The chiral nano-world: chiroptically active quantum nanostructures. <i>Nanoscale Horizons</i> , 2016, 1, 14-26.	8.0	99
47	Chiral luminescent CdS nano-tetrapods. <i>Chemical Communications</i> , 2010, 46, 6072.	4.1	97
48	Induction of Chirality in Two-Dimensional Nanomaterials: Chiral 2D MoS ₂ Nanostructures. <i>ACS Nano</i> , 2018, 12, 954-964.	14.6	93
49	Reinforcement of poly(vinyl chloride) and polystyrene using chlorinated polypropylene grafted carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2006, 16, 4206.	6.7	90
50	Surface plasmon enhanced Förster resonance energy transfer between the CdTe quantum dots. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	90
51	Synthesis and spectroscopic studies of chiral CdSe quantum dots. <i>Journal of Materials Chemistry</i> , 2010, 20, 8350.	6.7	87
52	Organocatalytic Asymmetric Addition of Alcohols and Thiols to Activated Electrophiles: Efficient Dynamic Kinetic Resolution and Desymmetrization Protocols. <i>Journal of Organic Chemistry</i> , 2008, 73, 6409-6412.	3.2	85
53	High-strength, High-Toughness Composite Fibers by Swelling Kevlar in Nanotube Suspensions. <i>Small</i> , 2009, 5, 466-469.	10.0	85
54	Influence of quantum dot concentration on Förster resonant energy transfer in monodispersed nanocrystal quantum dot monolayers. <i>Physical Review B</i> , 2010, 81, .	3.2	85

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55	The immobilisation of chiral organocatalysts on magnetic nanoparticles: the support particle cannot always be considered inert. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7929.	2.8	85
56	Nanoparticle-based drug delivery: case studies for cancer and cardiovascular applications. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 389-404.	5.4	84
57	Plasmon-induced CD response of oligonucleotide-conjugated metal nanoparticles. <i>Chemical Communications</i> , 2011, 47, 7383.	4.1	82
58	Graphene, carbon nanotube and ionic liquid mixtures: towards new quasi-solid state electrolytes for dye sensitised solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 16990.	6.7	82
59	Multifactorial determinants that govern nanoparticle uptake by human endothelial cells under flow. <i>International Journal of Nanomedicine</i> , 2012, 7, 2943.	6.7	78
60	CdTe Nanoparticles Display Tropism to Core Histones and Histone-Rich Cell Organelles. <i>Small</i> , 2008, 4, 2006-2015.	10.0	77
61	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
62	High content analysis of the biocompatibility of nickel nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1341-1345.	2.3	75
63	Covalently Functionalized Hexagonal Boron Nitride Nanosheets by Nitrene Addition. <i>Chemistry - A European Journal</i> , 2012, 18, 10808-10812.	3.3	75
64	Chlorin e6-ZnSe/ZnS quantum dots based system as reagent for photodynamic therapy. <i>Nanotechnology</i> , 2015, 26, 055102.	2.6	72
65	Activation of a C—O bond by reaction of a tris(cyclopentadienyl)lanthanide complex with an alkali metal in dimethoxyethane (DME); crystal structures of [Nd(η^5 -C ₅ H ₃ (SiMe ₃) ₂ -1,3,2(η^4 -OMe) ₂ Li(DME)] and [Ce(η^5 -C ₅ H ₃ tBu ₂ -1,3)2(η^4 -OMe) ₂]. <i>Journal of Organometallic Chemistry</i> , 1995, 499, 213-219.	1.8	70
66	Synthesis and Characterization of Organolanthanidocene(III) (Ln = La, Ce, Pr, Nd) Complexes Containing the 1,4-Cyclohexa-2,5-dienyl Ligand (Benzene 1,4-Dianion): Structures of [K([18]-crown-6)][Ln(η^5 -C ₅ H ₃ (SiMe ₃) ₂ -1,3)2(C ₆ H ₆)] [Cp* η^5 -C ₅ H ₃ (SiMe ₃) ₂ -1,3; Ln = La, Ce, Nd]. <i>Organometallics</i> , 1999, 18, 5539-5547.	2.3	70
67	Carbon Nanotube-Polymer Nanocomposites for Field-Emission Cathodes. <i>Small</i> , 2009, 5, 826-831.	10.0	70
68	Mesoporous Silica Materials as Drug Delivery: The Nightmare of Bacterial Infection. <i>Pharmaceutics</i> , 2018, 10, 279.	4.5	70
69	Chemical functionalisation of titania nanotubes and their utilisation for the fabrication of reinforced polystyrene composites. <i>Journal of Materials Chemistry</i> , 2007, 17, 2351.	6.7	69
70	Etching-Resistant Silver Nanoprisms by Epitaxial Deposition of a Protecting Layer of Gold at the Edges. <i>Langmuir</i> , 2009, 25, 10165-10173.	3.5	69
71	Magnetic-fluorescent nanocomposites for biomedical multitasking. <i>Chemical Communications</i> , 2006, , 4474.	4.1	68
72	Probing Cell-Type-Specific Intracellular Nanoscale Barriers Using Size-Tuned Quantum Dots. <i>Small</i> , 2009, 5, 2581-2588.	10.0	68

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73	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
74	Effect of Chiral Ligand Concentration and Binding Mode on Chiroptical Activity of CdSe/CdS Quantum Dots. ACS Nano, 2019, 13, 13560-13572.	14.6	65
75	Nonclassical Organolanthanoid Metal Chemistry: $[K([18\text{-crown-6})(\text{1-PhMe})_2]X$ ($X = [(LnCpt)_3]_2(\text{1/4-H})$), Tj ETQq1 1 0.784314	2.3	64
76	Dislocation-Induced Chirality of Semiconductor Nanocrystals. Nano Letters, 2015, 15, 1710-1715.	9.1	64
77	Synthesis of $CaCO_3$ nano- and micro-particles by dry ice carbonation. Chemical Communications, 2017, 53, 6657-6660.	4.1	64
78	Aspects of non-classical organolanthanide chemistry. Journal of Organometallic Chemistry, 2002, 647, 71-83.	1.8	61
79	Unsolvated lanthanidocene hydrides and borohydrides. X-Ray crystal structure of $[(\text{1-5-C}_5\text{H}_3\text{tBu}_2)_2\text{Ln}(\text{1/4-H})_2]$ (Ln = Ce, Sm). Journal of Organometallic Chemistry, 1992, 424, 289-300.	1.8	60
80	Magnetic nanoparticle assemblies on denatured DNA show unusual magnetic relaxivity and potential applications for MRI. Chemical Communications, 2004, , 2560.	4.1	60
81	Precursor and Solvent Effects in the Nonhydrolytic Synthesis of Complex Oxide Nanoparticles for Bioimaging Applications by the Ether Elimination (Bradley) Reaction. Chemistry - A European Journal, 2009, 15, 6820-6826.	3.3	59
82	Magnetic Nanoparticles to Recover Cellular Organelles and Study the Time Resolved Nanoparticle-Cell Interactome throughout Uptake. Small, 2014, 10, 3307-3315.	10.0	59
83	Biomimetic Synthesis of Hierarchically Porous Nanostructured Metal Oxide Microparticles- Potential Scaffolds for Drug Delivery and Catalysis. Langmuir, 2010, 26, 9809-9817.	3.5	58
84	Completely Chiral Optical Force for Enantioseparation. Scientific Reports, 2016, 6, 36884.	3.3	57
85	Comparison of carbon nanotubes and nanodisks as percolative fillers in electrically conductive composites. Scripta Materialia, 2008, 58, 69-72.	5.2	56
86	Enantioselective cellular uptake of chiral semiconductor nanocrystals. Nanotechnology, 2016, 27, 075102.	2.6	54
87	Crystal and molecular structures of bis(1,3-di-tert-butylcyclopentadienyl)cerium chloride and borohydride. First example of the bridging tetradentate BH ₄ -group with two 1/4 : 1/4 : $[(\text{1/4-3-H})_2\text{B}(\text{1/4-2-H})_2]$. Journal of Organometallic Chemistry, 1991, 406, 343-352.	1.8	53
88	The First CeIV Metallasilsesquioxane Complex: $[Ce\{(c\text{-C}_6\text{H}_{11})_8\text{Si}_8\text{O}_{13}\}_2(\text{py})_3]$. Angewandte Chemie - International Edition, 2001, 40, 1279-1281.	13.8	51
89	Two-Dimensional Förster Resonant Energy Transfer in a Mixed Quantum Dot Monolayer: Experiment and Theory. Journal of Physical Chemistry C, 2009, 113, 3084-3088.	3.1	51
90	Recent progress and future prospects in development of advanced materials for nanofiltration. Materials Today Communications, 2020, 23, 100888.	1.9	51

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91	Multimodal Magnetic-Plasmonic Nanoparticles for Biomedical Applications. Applied Sciences (Switzerland), 2018, 8, 97.	2.5	50
92	Recent Progress in Synthesis and Functionalization of Multimodal Fluorescent-Magnetic Nanoparticles for Biological Applications. Applied Sciences (Switzerland), 2018, 8, 172.	2.5	50
93	Long-term exposure of CdTe quantum dots on PC12 cellular activity and the determination of optimum non-toxic concentrations for biological use. Journal of Nanobiotechnology, 2010, 8, 7.	9.1	49
94	Giant Optical Activity of Quantum Dots, Rods and Disks with Screw Dislocations. Scientific Reports, 2015, 5, 14712.	3.3	49
95	Graphene-ionic liquid electrolytes for dye sensitised solar cells. Journal of Materials Chemistry A, 2013, 1, 8379.	10.3	47
96	Synthesis Characterization and Photocatalytic Studies of Cobalt Ferrite-Silica-Titania Nanocomposites. Nanomaterials, 2014, 4, 331-343.	4.1	47
97	Synthesis and structures of lithium, aluminium, gallium and lanthanide amidinates containing a β -pendant amine functionality. Dalton Transactions RSC, 2000, , 4093-4097.	2.3	46
98	Molecular Recognition of Biomolecules by Chiral CdSe Quantum Dots. Scientific Reports, 2016, 6, 24177.	3.3	46
99	Large area quantum dot luminescent solar concentrators for use with dye-sensitised solar cells. Journal of Materials Chemistry A, 2018, 6, 2671-2680.	10.3	46
100	Magneto-Fluorescent Microbeads for Bacteria Detection Constructed from Superparamagnetic Fe ₃ O ₄ Nanoparticles and AlS/ZnS Quantum Dots. Analytical Chemistry, 2019, 91, 12661-12669.	6.5	46
101	Kevlar coated carbon nanotubes for reinforcement of polyvinylchloride. Journal of Materials Chemistry, 2008, 18, 5585.	6.7	45
102	Fully Metalated Silsesquioxanes: Building Blocks for the Construction of Catalyst Models. Angewandte Chemie - International Edition, 2004, 43, 4603-4606.	13.8	44
103	From Nanocrystals to Nanorods: New Iron Oxide-Silica Nanocomposites from Metallorganic Precursors. Journal of Physical Chemistry C, 2008, 112, 1008-1018.	3.1	44
104	The first metal complexes containing the 1,4-cyclohexa-2,5-dienyl ligand (benzene 1,4-dianion); synthesis and structures of [K(18-crown-6)][Ln{ η -5-C ₅ H ₃ (SiMe ₃) ₂ -1,3}2(C ₆ H ₆)] (Ln = La, Ce). Chemical Communications, 1996, , 1987-1988.	4.1	43
105	Preparation of magnetic nanoparticles and their assemblies using a new Fe(II) alkoxide precursor. Journal of Materials Chemistry, 2001, 11, 2937-2939.	6.7	43
106	Solution-based "bottom-up" synthesis of group VI transition metal dichalcogenides and their applications. Materials Advances, 2021, 2, 146-164.	5.4	43
107	Hot plasmonic electrons for generation of enhanced photocurrent in gold-TiO ₂ nanocomposites. Nanoscale Research Letters, 2015, 10, 38.	5.7	42
108	Ligand-induced chirality and optical activity in semiconductor nanocrystals: theory and applications. Nanophotonics, 2020, 10, 797-824.	6.0	42

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109	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
110	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
111	Recent progress in chiral inorganic nanostructures. <i>SPR Nanoscience</i> , 2016, , 1-30.	0.6	40
112	Silsesquioxane Chemistry: Synthesis and Structure of the Novel Anionic Aluminosilsesquioxane [HNEt ₃][{Cy ₇ Si ₇ O ₉ (OSiMe ₃) ₂ Al}·C ₆ H ₁₄ (Cy =c-C ₆ H ₁₁)]. <i>Inorganic Chemistry</i> , 1999, 38, 210-211.	4.0	39
113	Chemical functionalization of carbon nanotubes for the mechanical reinforcement of polystyrene composites. <i>Nanotechnology</i> , 2008, 19, 415707.	2.6	39
114	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
115	Carbon nanomaterial based counter electrodes for dye sensitized solar cells. <i>Solar Energy</i> , 2014, 102, 152-161.	6.1	39
116	Emission properties of colloidal quantum dots on polyelectrolyte multilayers. <i>Nanotechnology</i> , 2006, 17, 4117-4122.	2.6	38
117	Polymer Reinforcement with Kevlar-Coated Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20184-20192.	3.1	38
118	Development of transparent, conducting composites by surface infiltration of nanotubes into commercial polymer films. <i>Carbon</i> , 2009, 47, 1983-1988.	10.3	37
119	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
120	Rare Earth Doped Silica Nanoparticles via Thermolysis of a Single Source Metallasilsesquioxane Precursor. <i>Scientific Reports</i> , 2017, 7, 45862.	3.3	36
121	Displacement of a cyclopentadienyl ligand by a crown ether from a lanthanocene(ii) [LnCp ²⁺]; crystal structures of the first cationic lanthanoid(ii) complexes, [SmCp ²⁺ ([18]-crown-6)][SmCp ²⁺]·0.5C ₆ H ₆ and [YbCp ²⁺ ([18]-crown-6)][Cp ²⁺]·3C ₆ H ₆ [Cp ²⁺ = 1-5-C ₅ H ₃ (SiMe ₃) ₂ -1,3]. <i>Chemical Communications</i> , 1998, , 1843-1844.		34
122	Chemical modification of multi-walled carbon nanotubes using a tetrazine derivative. <i>Chemical Physics Letters</i> , 2007, 435, 84-89.	2.6	34
123	One-step solution combustion synthesis of pure Ni nanopowders with enhanced coercivity: The fuel effect. <i>Journal of Solid State Chemistry</i> , 2017, 253, 270-276.	2.9	33
124	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
125	Organolanthanides in Materials Science. <i>Comments on Inorganic Chemistry</i> , 1997, 19, 153-184.	5.2	32
126	Comparative Flow Cytometric Analysis of Immunofunctionalized Nanowire and Nanoparticle Signatures. <i>Small</i> , 2010, 6, 247-255.	10.0	32

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127	Giant moment and magnetic anisotropy in Co-doped ZnO films grown by pulse-injection metal organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2006, 89, 232503.	3.3	31
128	Synthesis, Characterisation, and Biological Studies of CdTe Quantum Dot–Naproxen Conjugates. <i>ChemMedChem</i> , 2007, 2, 183-186.	3.2	31
129	Chiral and Luminescent TiO ₂ Nanoparticles. <i>Advanced Optical Materials</i> , 2017, 5, 1601000.	7.3	31
130	A convenient route to anionic and cyclic aluminosiloxanes: crystal structures of [PyH][Al(OSiPh ₂ OSiPh ₂ O) ₂] and the first twelve-membered organic aluminosilicate Al ₂ Si ₄ O ₆ ring. <i>New Journal of Chemistry</i> , 2001, 25, 528-530.	2.8	30
131	Poly(sodium-4-styrene)sulfonate–Iron Oxide Nanocomposite Dispersions with Controlled Magnetic Resonance Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13324-13327.	3.1	30
132	Preparation and size optimisation of silica nanoparticles using statistical analyses. <i>Chemical Physics Letters</i> , 2009, 468, 239-244.	2.6	30
133	The crystal and molecular structure of the 20-electron alumohydride complex of bis(t-butylcyclopentadienyl)samarium {[(η -5-C ₅ H ₄ But) ₂ Sm(η -3-H)][(η -4-H)2AlH \cdot OC ₄ H ₈]} ₂ . <i>Journal of Organometallic Chemistry</i> , 1990, 390, 153-158.	1.8	29
134	Comparison of three cell fixation methods for high content analysis assays utilizing quantum dots. <i>Journal of Microscopy</i> , 2008, 232, 91-98.	1.8	29
135	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
136	Optical Activity of Chiral Nanoscrolls. <i>Advanced Optical Materials</i> , 2017, 5, 1600982.	7.3	29
137	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
138	Mixing of quantum states: A new route to creating optical activity. <i>Scientific Reports</i> , 2016, 6, 5.	3.3	28
139	Energy transfer in colloidal CdTe quantum dot nanoclusters. <i>Optics Express</i> , 2010, 18, 24486.	3.4	27
140	Photophysical studies of CdTe quantum dots in the presence of a zinc cationic porphyrin. <i>Dalton Transactions</i> , 2012, 41, 13159.	3.3	27
141	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
142	Organolanthanide chemistry with bis(trimethylsilyl)methyl- and tert-butyl dimethylsilyl-substituted cyclopentadienyl ligands. <i>Journal of Organometallic Chemistry</i> , 1999, 582, 143-152.	1.8	26
143	Morphology of macro-pores formed by electrochemical etching of p-type Si. <i>Journal of Micromechanics and Microengineering</i> , 2004, 14, 1022-1028.	2.6	26
144	First resonant energy transfer in quantum dot layers. <i>Superlattices and Microstructures</i> , 2010, 47, 98-102.	3.1	26

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145	Folic acid modified gelatine coated quantum dots as potential reagents for in vitro cancer diagnostics. <i>Journal of Nanobiotechnology</i> , 2011, 9, 50.	9.1	26
146	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
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