

# Nikhil R Jana

## List of Publications by Year in descending order

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167  
papers

20,178  
citations

18465

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10152

140  
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173  
all docs

173  
docs citations

173  
times ranked

23035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-Functionalized Nanostructures and Their Biomedical Applications. Nanostructure Science and Technology, 2022, , 445-457.	0.1	0
2	Direct Cellular Delivery of Exogenous Genetic Material and Protein via Colloidal Nano-Assemblies with Biopolymer. ACS Applied Materials & Interfaces, 2022, 14, 3199-3206.	4.0	10
3	Enhanced Therapeutic Applications of Vitamin C via Nanotechnology-Based Pro-Oxidant Properties: A Review. ACS Applied Nano Materials, 2022, 5, 4583-4596.	2.4	6
4	Inhibiting Protein Aggregation by Small Molecule-Based Colloidal Nanoparticles. Accounts of Materials Research, 2022, 3, 54-66.	5.9	13
5	Cytotoxicity of ZnO nanoparticles under dark conditions <i>via</i> oxygen vacancy dependent reactive oxygen species generation. Physical Chemistry Chemical Physics, 2022, 24, 13965-13975.	1.3	15
6	Enhanced Piezocatalysis by Calcium Phosphate Nanowires via Gold Nanoparticle Conjugation. ACS Applied Materials & Interfaces, 2022, 14, 26443-26454.	4.0	18
7	Penetration and preferential binding of charged nanoparticles to mixed lipid monolayers: interplay of lipid packing and charge density. Soft Matter, 2021, 17, 1963-1974.	1.2	4
8	Compressibility of Multicomponent, Charged Model Biomembranes Tunes Permeation of Cationic Nanoparticles. Langmuir, 2021, 37, 3550-3562.	1.6	3
9	Nanoparticle Size Effects in Biomedical Applications. ACS Applied Nano Materials, 2021, 4, 6471-6496.	2.4	90
10	Generalized synthesis of biomolecule-derived and functionalized fluorescent carbon nanoparticle. Bulletin of Materials Science, 2021, 44, 1.	0.8	2
11	Chemically Designed Nanoscale Materials for Controlling Cellular Processes. Accounts of Chemical Research, 2021, 54, 2916-2927.	7.6	24
12	Phosphate-Dependent Colloidal Stability Controls Nonendocytic Cell Delivery of Arginine-Terminated Nanoparticles. Journal of Physical Chemistry B, 2021, 125, 9186-9196.	1.2	8
13	Biomedical Applications of Functional Polyaspartamide-Based Materials. ACS Applied Polymer Materials, 2021, 3, 4791-4811.	2.0	13
14	Selective capturing and fluorescence <i>on-site</i> detection of dibutyl phthalate using a molecular imprinted nanocomposite. New Journal of Chemistry, 2021, 45, 19088-19096.	1.4	4
15	Cotton Modified with Silica Nanoparticles, N,F Codoped TiO <sub>2</sub> Nanoparticles, and Octadecyltrimethoxysilane for Textiles with Self-Cleaning and Visible Light-Based Cleaning Properties. ACS Applied Nano Materials, 2021, 4, 877-885.	2.4	21
16	Molecular Imprinted Poly-Cyclodextrin for Selective Removal of Dibutyl Phthalate. ACS Applied Polymer Materials, 2020, 2, 691-698.	2.0	28
17	TiO <sub>2</sub> -Templated BaTiO <sub>3</sub> Nanorod as a Piezocatalyst for Generating Wireless Cellular Stress. ACS Applied Materials & Interfaces, 2020, 12, 48363-48370.	4.0	31
18	Surface Chemistry- and Intracellular Trafficking-Dependent Autophagy Induction by Iron Oxide Nanoparticles. ACS Applied Bio Materials, 2020, 3, 5974-5983.	2.3	8

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19	Nonendocytic Cell Delivery of Quantum Dot Using Arginine-Terminated Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11827-11834.	1.2	5
20	ZnSnO <sub>3</sub> –hBN nanocomposite-based piezocatalyst: ultrasound assisted reactive oxygen species generation for degradation of organic pollutants. <i>New Journal of Chemistry</i> , 2020, 44, 9278-9287.	1.4	33
21	Lipid-Raft-Mediated Direct Cytosolic Delivery of Polymer-Coated Soft Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5323-5333.	1.2	21
22	Arginine-Terminated Nanoparticles of <math>10\text{ nm}</math> Size for Direct Membrane Penetration and Protein Delivery for Straight Access to Cytosol and Nucleus. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2363-2368.	2.1	26
23	Small-Molecule-Functionalized Hyperbranched Polyglycerol Dendrimers for Inhibiting Protein Aggregation. <i>Biomacromolecules</i> , 2020, 21, 3270-3278.	2.6	20
24	Trehalose-Conjugated, Catechin-Loaded Polylactide Nanoparticles for Improved Neuroprotection against Intracellular Polyglutamine Aggregates. <i>Biomacromolecules</i> , 2020, 21, 1578-1586.	2.6	25
25	Pharmacologic Vitamin C-Based Cell Therapy via Iron Oxide Nanoparticle-Induced Intracellular Fenton Reaction. <i>ACS Applied Nano Materials</i> , 2020, 3, 1683-1692.	2.4	17
26	TiO <sub>2</sub> Nanoparticles Co-doped with Nitrogen and Fluorine as Visible-Light-Activated Antifungal Agents. <i>ACS Applied Nano Materials</i> , 2020, 3, 2016-2025.	2.4	58
27	Fluorescent carbon dots as intracellular imaging probes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1617.	3.3	66
28	Riboflavin-Terminated, Multivalent Quantum Dot as Fluorescent Cell Imaging Probe. <i>Langmuir</i> , 2019, 35, 11380-11388.	1.6	12
29	Quercetin Encapsulated Polymer Nanoparticle for Inhibiting Intracellular Polyglutamine Aggregation. <i>ACS Applied Bio Materials</i> , 2019, 2, 5298-5305.	2.3	24
30	ZnSnO <sub>3</sub> Nanoparticle-Based Piezocatalysts for Ultrasound-Assisted Degradation of Organic Pollutants. <i>ACS Applied Nano Materials</i> , 2019, 2, 1120-1128.	2.4	128
31	Selective electrochemical detection of bisphenol A using a molecularly imprinted polymer nanocomposite. <i>New Journal of Chemistry</i> , 2019, 43, 1536-1543.	1.4	47
32	AI Egen-Conjugated Magnetic Nanoparticles as Magnetic–Fluorescent Bioimaging Probes. <i>ACS Applied Nano Materials</i> , 2019, 2, 3292-3299.	2.4	18
33	Electronic, electrical and magnetic behaviours of reduced graphene-oxide functionalized with silica coated gold nanoparticles. <i>Applied Surface Science</i> , 2019, 483, 106-113.	3.1	25
34	Designed Polymer Micelle for Clearing Amyloid Protein Aggregates via Up-Regulated Autophagy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 390-401.	2.6	31
35	Arginine-Terminated, Chemically Designed Nanoparticle for Direct Cell Translocation. <i>ACS Applied Bio Materials</i> , 2019, 2, 339-348.	2.3	24
36	Inhibition of Protein Aggregation by Iron Oxide Nanoparticles Conjugated with Glutamine- and Proline-Based Osmolytes. <i>ACS Applied Nano Materials</i> , 2018, 1, 1094-1103.	2.4	32

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37	Functionalized chitosan with self-assembly induced and subcellular localization-dependent fluorescence "switch on"™ property. <i>New Journal of Chemistry</i> , 2018, 42, 5774-5784.	1.4	10
38	Plasmonic photocatalysis: complete degradation of bisphenol A by a gold nanoparticle"reduced graphene oxide composite under visible light. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 628-637.	1.6	18
39	Biomolecule-derived Fluorescent Carbon Nanoparticle as Bioimaging Probe. <i>MRS Advances</i> , 2018, 3, 779-788.	0.5	8
40	Nitrogen and Fluorine Codoped, Colloidal TiO <sub>2</sub> Nanoparticle: Tunable Doping, Large Red-Shifted Band Edge, Visible Light Induced Photocatalysis, and Cell Death. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1976-1986.	4.0	42
41	Nanoscale Heterogeneities Drive Enhanced Binding and Anomalous Diffusion of Nanoparticles in Model Biomembranes. <i>Langmuir</i> , 2018, 34, 1691-1699.	1.6	27
42	Colloidal Nanobioconjugate with Complementary Surface Chemistry for Cellular and Subcellular Targeting. <i>Langmuir</i> , 2018, 34, 13461-13471.	1.6	28
43	Galactose Multivalency Effect on the Cell Uptake Mechanism of Bioconjugated Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25651-25660.	1.5	30
44	Antiamyloidogenic Chemical/Biochemical-Based Designed Nanoparticle as Artificial Chaperone for Efficient Inhibition of Protein Aggregation. <i>Biomacromolecules</i> , 2018, 19, 1721-1731.	2.6	35
45	Galactose-Functionalized, Colloidal-Fluorescent Nanoparticle from Aggregation-Induced Emission Active Molecule via Polydopamine Coating for Cancer Cell Targeting. <i>ACS Applied Nano Materials</i> , 2018, 1, 3531-3540.	2.4	19
46	Inhibition and Degradation of Amyloid Beta (A $\beta$ 240) Fibrillation by Designed Small Peptide: A Combined Spectroscopy, Microscopy, and Cell Toxicity Study. <i>ACS Chemical Neuroscience</i> , 2017, 8, 718-722.	1.7	44
47	Cysteine-based amphiphilic peptide-polymer conjugates via thiol-mediated radical polymerization: Synthesis, self-assembly, RNA polyplexation and N-terminus fluorescent labeling for cell imaging. <i>Polymer</i> , 2017, 112, 125-135.	1.8	13
48	Sugar-Terminated Nanoparticle Chaperones Are 10 <sup>2</sup> "10 <sup>5</sup> Times Better Than Molecular Sugars in Inhibiting Protein Aggregation and Reducing Amyloidogenic Cytotoxicity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10554-10566.	4.0	39
49	Hyperbranched Polyglycerol Grafting on the Surface of Silica-Coated Nanoparticles for High Colloidal Stability and Low Nonspecific Interaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4879-4889.	3.2	21
50	Poly(trehalose) Nanoparticles Prevent Amyloid Aggregation and Suppress Polyglutamine Aggregation in a Huntington"™s Disease Model Mouse. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24126-24139.	4.0	109
51	Multivalency Effect of TAT-Peptide-Functionalized Nanoparticle in Cellular Endocytosis and Subcellular Trafficking. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2942-2951.	1.2	51
52	Quantum Dot-Based Designed Nanoprobe for Imaging Lipid Droplet. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23727-23735.	1.5	23
53	Multivalent gold nanoparticle"peptide conjugates for targeting intracellular bacterial infections. <i>Nanoscale</i> , 2017, 9, 14074-14093.	2.8	60
54	Supramolecular Host"Guest Chemistry-Based Folate/Riboflavin Functionalization and Cancer Cell Labeling of Nanoparticles. <i>ACS Omega</i> , 2017, 2, 8948-8958.	1.6	13

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55	Trehalose-Functionalized Gold Nanoparticle for Inhibiting Intracellular Protein Aggregation. <i>Langmuir</i> , 2017, 33, 13996-14003.	1.6	41
56	Vitamin C-Conjugated Nanoparticle Protects Cells from Oxidative Stress at Low Doses but Induces Oxidative Stress and Cell Death at High Doses. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41807-41817.	4.0	56
57	Efficient Inhibition of Protein Aggregation, Disintegration of Aggregates, and Lowering of Cytotoxicity by Green Tea Polyphenol-Based Self-Assembled Polymer Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20309-20318.	4.0	101
58	Length-Controlled Synthesis of Calcium Phosphate Nanorod and Nanowire and Application in Intracellular Protein Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8710-8720.	4.0	41
59	Water soluble luminescent cyclometalated platinum(II) complex "A suitable probe for bio-imaging applications. <i>Inorganic Chemistry Communication</i> , 2016, 67, 107-111.	1.8	23
60	Red Fluorescent Carbon Nanoparticle-Based Cell Imaging Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9305-9313.	4.0	93
61	Fluorescent Imaging Probe from Nanoparticle Made of AIE Molecule. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5196-5206.	1.5	33
62	Phase Transfer and Surface Functionalization of Hydrophobic Nanoparticle using Amphiphilic Poly(amino acid). <i>Langmuir</i> , 2016, 32, 2798-2807.	1.6	22
63	Nanoparticle Multivalency Directed Shifting of Cellular Uptake Mechanism. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6778-6786.	1.5	83
64	Detection and Monitoring of Amyloid Fibrillation Using a Fluorescence "Switch-On" Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25813-25820.	4.0	68
65	Paper-Based Microfluidic Approach for Surface-Enhanced Raman Spectroscopy and Highly Reproducible Detection of Proteins beyond Picomolar Concentration. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 996-1003.	4.0	44
66	Design and Synthesis of Triphenylphosphonium Functionalized Nanoparticle Probe for Mitochondria Targeting and Imaging. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2888-2895.	1.5	61
67	Graphene-Based Carbon Nanoparticles for Bioimaging Applications. , 2015, , 57-84.		2
68	Dopamine functionalized polymeric nanoparticle for targeted drug delivery. <i>RSC Advances</i> , 2015, 5, 33586-33594.	1.7	34
69	Separation of Microcystin-LR by Cyclodextrin-Functionalized Magnetic Composite of Colloidal Graphene and Porous Silica. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9911-9919.	4.0	37
70	Graphene oxide (GO)/reduced-GO and their composite with conducting polymer nanostructure thin films for non-volatile memory device. <i>Microelectronic Engineering</i> , 2015, 146, 48-52.	1.1	25
71	Effect of size and oxidation state of platinum nanoparticles on the electrocatalytic performance of graphene-nanoparticle composites. <i>RSC Advances</i> , 2015, 5, 85196-85201.	1.7	18
72	Interplay of electrostatics and lipid packing determines the binding of charged polymer coated nanoparticles to model membranes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24238-24247.	1.3	21

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73	Clathrin to Lipid Raft-Endocytosis via Controlled Surface Chemistry and Efficient Perinuclear Targeting of Nanoparticle. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3688-3697.	2.1	76
74	β <sup>2</sup> -Cyclodextrin Functionalized Magnetic Mesoporous Silica Colloid for Cholesterol Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1340-1347.	4.0	64
75	Dextran-Gated, Multifunctional Mesoporous Nanoparticle for Glucose-Responsive and Targeted Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22183-22191.	4.0	64
76	Fluorescent Amphiphilic PEG- $\alpha$ -Peptide- $\alpha$ -PEG Triblock Conjugate Micelles for Cell Imaging. <i>Macromolecular Bioscience</i> , 2014, 14, 929-935.	2.1	17
77	Gold nanoclusters with enhanced tunable fluorescence as bioimaging probes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 102-110.	3.3	72
78	Inhibition of Amyloid Fibril Growth and Dissolution of Amyloid Fibrils by Curcumin-Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2014, 20, 6184-6191.	1.7	139
79	Surfactant-Free, Stable Noble Metal-Graphene Nanocomposite as High Performance Electrocatalyst. <i>ACS Catalysis</i> , 2014, 4, 593-599.	5.5	76
80	Folate and biotin based bifunctional quantum dots as fluorescent cell labels. <i>RSC Advances</i> , 2014, 4, 10434.	1.7	4
81	Vitamin B <sub>1</sub> Derived Blue and Green Fluorescent Carbon Nanoparticles for Cell-Imaging Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7672-7679.	4.0	88
82	Synthesis of silver-graphene nanocomposite and its catalytic application for the one-pot three-component coupling reaction and one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles in water. <i>RSC Advances</i> , 2014, 4, 10001.	1.7	99
83	Highly Colloidally Stable Hyperbranched Polyglycerol Grafted Red Fluorescent Silicon Nanoparticle as Bioimaging Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4301-4309.	4.0	60
84	Facile tuning of the aggregation-induced emission wavelength in a common framework of a cyclometalated iridium(III) complex: micellar encapsulated probe in cellular imaging. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5615-5628.	2.7	49
85	Inhibition of Amyloid Fibril Growth by Nanoparticle Coated with Histidine-Based Polymer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21630-21638.	1.5	67
86	Reduced Graphene Oxide-Silver Nanoparticle Composite as Visible Light Photocatalyst for Degradation of Colorless Endocrine Disruptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 20085-20092.	4.0	196
87	Carbohydrate coated, folate functionalized colloidal graphene as a nanocarrier for both hydrophobic and hydrophilic drugs. <i>Nanoscale</i> , 2014, 6, 2752.	2.8	75
88	Efficient and reusable graphene-Fe <sub>3</sub> O <sub>4</sub> magnetic nano-composite for selective oxidation and one-pot synthesis of 1,2,3-triazole using a green solvent. <i>RSC Advances</i> , 2013, 3, 18087.	1.7	14
89	Carbon Nanoparticle-based Fluorescent Bioimaging Probes. <i>Scientific Reports</i> , 2013, 3, 1473.	1.6	642
90	Thiol-Directed Synthesis of Highly Fluorescent Gold Clusters and Their Conversion into Stable Imaging Nanoprobes. <i>Chemistry - A European Journal</i> , 2013, 19, 943-949.	1.7	47

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91	Electric and Ferro-Electric Behaviour of Polymer-Coated Graphene-Oxide Thin Film. <i>Physics Procedia</i> , 2013, 46, 62-70.	1.2	12
92	Detection of Cellular Glutathione and Oxidized Glutathione Using Magneticâ€“Plasmonic Nanocomposite-Based â€œTurn-Offâ€“Surface Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2013, 85, 9221-9228.	3.2	127
93	Grapheneâ€“Based Composite with $\text{Fe}_2\text{O}_3$ Nanoparticle for the Highâ€“Performance Removal of Endocrineâ€“Disrupting Compounds from Water. <i>Chemistry - an Asian Journal</i> , 2013, 8, 786-791.	1.7	25
94	Enhanced catalytic performance by copper nanoparticleâ€“graphene based composite. <i>RSC Advances</i> , 2013, 3, 5615.	1.7	150
95	Doped semiconductor nanocrystal based fluorescent cellular imaging probes. <i>Nanoscale</i> , 2013, 5, 5506.	2.8	41
96	Folic Acid Functionalized Nanoprobes for Fluorescenceâ€“, Darkâ€“Fieldâ€“, and Dualâ€“Imagingâ€“Based Selective Detection of Cancer Cells and Tissue. <i>ChemPlusChem</i> , 2013, 78, 259-267.	1.3	23
97	Silicon nanoparticle based fluorescent biological label via low temperature thermal degradation of chloroalkylsilane. <i>Nanoscale</i> , 2013, 5, 5732.	2.8	32
98	Synthesis of Nanobioconjugates with a Controlled Average Number of Biomolecules between 1 and 100 per Nanoparticle and Observation of Multivalency Dependent Interaction with Proteins and Cells. <i>Langmuir</i> , 2013, 29, 13917-13924.	1.6	32
99	Functional, mesoporous, superparamagnetic colloidal sorbents for efficient removal of toxic metals. <i>Chemical Communications</i> , 2012, 48, 9272.	2.2	43
100	Highly reproducible and sensitive surface-enhanced Raman scattering from colloidal plasmonic nanoparticle via stabilization of hot spots in graphene oxide liquid crystal. <i>Nanoscale</i> , 2012, 4, 6649.	2.8	47
101	Tunable Catalytic Performance and Selectivity of a Nanoparticleâ€“Graphene Composite through Finely Controlled Nanoparticle Loading. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2931-2936.	1.7	19
102	Glucose/galactose/dextran-functionalized quantum dots, iron oxide and doped semiconductor nanoparticles with $<100$ nm hydrodynamic diameter. <i>RSC Advances</i> , 2012, 2, 11915.	1.7	26
103	Nanoparticle-Incorporated Functional Mesoporous Silica Colloid for Diverse Applications. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4470-4478.	1.0	13
104	Fluorescent detection of cholesterol using $\beta$ -cyclodextrin functionalized graphene. <i>Chemical Communications</i> , 2012, 48, 7316.	2.2	124
105	Design and development of quantum dots and other nanoparticles based cellular imaging probe. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 385-396.	1.3	71
106	Peptide-Functionalized Colloidal Graphene via Interdigitated Bilayer Coating and Fluorescence Turn-on Detection of Enzyme. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 3335-3341.	4.0	63
107	Gold-Nanorod-Based Hybrid Cellular Probe with Multifunctional Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19612-19620.	1.5	26
108	Polyacrylate-coated graphene-oxide and graphene solution via chemical route for various biological application. <i>Diamond and Related Materials</i> , 2011, 20, 449-453.	1.8	32

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109	Chitosan~Cholesterol-Based Cellular Delivery of Anionic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 137-144.	1.5	24
110	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1454-1458.	2.1	192
111	Functionalized graphene and graphene oxide solution via polyacrylate coating. <i>Nanoscale</i> , 2010, 2, 2777.	2.8	71
112	Functionalized Gold Nanorod Solution via Reverse Micelle Based Polyacrylate Coating. <i>Langmuir</i> , 2010, 26, 7475-7481.	1.6	45
113	Surface-Ligand-Dependent Cellular Interaction, Subcellular Localization, and Cytotoxicity of Polymer-Coated Quantum Dots. <i>Chemistry of Materials</i> , 2010, 22, 2239-2247.	3.2	149
114	An Alternate Route to High-Quality ZnSe and Mn-Doped ZnSe Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 485-488.	2.1	117
115	Prevention of photooxidation in blue~green emitting Cu doped ZnSe nanocrystals. <i>Chemical Communications</i> , 2010, 46, 2853.	2.2	94
116	Functional and Multifunctional Nanoparticles for Bioimaging and Biosensing. <i>Langmuir</i> , 2010, 26, 11631-11641.	1.6	295
117	Doped Semiconductor Nanocrystals and Organic Dyes: An Efficient and Greener FRET System. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 636-640.	2.1	50
118	Cysteine-Functionalized Polyaspartic Acid: A Polymer for Coating and Bioconjugation of Nanoparticles and Quantum Dots. <i>Langmuir</i> , 2010, 26, 6503-6507.	1.6	37
119	Advances in Coating Chemistry in Deriving Soluble Functional Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11009-11017.	1.5	89
120	Highly fluorescent magnetic quantum dot probe with superior colloidal stability. <i>Nanoscale</i> , 2010, 2, 2561.	2.8	8
121	Ligand Exchange Approach in Deriving Magnetic~Fluorescent and Magnetic~Plasmonic Hybrid Nanoparticle. <i>Langmuir</i> , 2010, 26, 4351-4356.	1.6	29
122	Ultrasensitive Electrochemical DNA Biosensors Based on the Detection of a Highly Characteristic Solid~State Process. <i>Small</i> , 2009, 5, 1414-1417.	5.2	80
123	Fluorescent Carbon Nanoparticles: Synthesis, Characterization, and Bioimaging Application. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18546-18551.	1.5	1,036
124	Imidazole Based Biocompatible Polymer Coating in Deriving <25 nm Functional Nanoparticle Probe for Cellular Imaging and Detection. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21484-21492.	1.5	27
125	Functionalized Plasmonic~Fluorescent Nanoparticles for Imaging and Detection. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18492-18498.	1.5	77
126	Surface Coating Directed Cellular Delivery of TAT-Functionalized Quantum Dots. <i>Bioconjugate Chemistry</i> , 2009, 20, 1752-1758.	1.8	64



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127	Synthesis of Functionalized Au Nanoparticles for Protein Detection. <i>Advanced Materials</i> , 2008, 20, 430-434.	11.1	65
128	Functionalization of Gold Nanospheres and Nanorods by Chitosan Oligosaccharide Derivatives. <i>Advanced Materials</i> , 2008, 20, 2068-2073.	11.1	65
129	Langmuir-Blodgett Thin Films of Quantum Dots: Synthesis, Surface Modification, and Fluorescence Resonance Energy Transfer (FRET) Studies. <i>Langmuir</i> , 2008, 24, 8181-8186.	1.6	47
130	Synthesis of Carbohydrate-Conjugated Nanoparticles and Quantum Dots. <i>Langmuir</i> , 2008, 24, 6215-6219.	1.6	97
131	Synthesis of Water-Soluble and Functionalized Nanoparticles by Silica Coating. <i>Chemistry of Materials</i> , 2007, 19, 5074-5082.	3.2	285
132	Controlled photostability of luminescent nanocrystalline ZnO solution for selective detection of aldehydes. <i>Chemical Communications</i> , 2007, , 1406.	2.2	81
133	Anisotropic Metal Nanoparticles for Use as Surface-Enhanced Raman Substrates. <i>Advanced Materials</i> , 2007, 19, 1761-1765.	11.1	179
134	Detection of protein molecules by surface-enhanced Raman spectroscopy-based immunoassay using 20-5 nm gold nanoparticle labels. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 1326-1331.	1.2	45
135	Aspect ratio dependence on surface enhanced Raman scattering using silver and gold nanorod substrates. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 165-170.	1.3	438
136	Gram-Scale Synthesis of Soluble, Near-Monodisperse Gold Nanorods and Other Anisotropic Nanoparticles. <i>Small</i> , 2005, 1, 875-882.	5.2	364
137	Synthesis of Au-core-Ag-shell type bimetallic nanoparticles for single molecule detection in solution by SERS method. <i>Journal of Nanoparticle Research</i> , 2004, 6, 53-61.	0.8	66
138	Size- and Shape-Controlled Magnetic (Cr, Mn, Fe, Co, Ni) Oxide Nanocrystals via a Simple and General Approach. <i>Chemistry of Materials</i> , 2004, 16, 3931-3935.	3.2	814
139	Shape Effect in Nanoparticle Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1536-1540.	7.2	172
140	Single-Phase and Gram-Scale Routes toward Nearly Monodisperse Au and Other Noble Metal Nanocrystals. <i>Journal of the American Chemical Society</i> , 2003, 125, 14280-14281.	6.6	540
141	Nanorod shape separation using surfactant assisted self-assembly Electronic supplementary information (ESI) available: TEM of shape separated shorter nanorods mixed with some spheres and TEM of shape separated plates mixed with short nanorods and spheres. See <a href="http://www.rsc.org/suppdata/cc/b3/b303103a/">http://www.rsc.org/suppdata/cc/b3/b303103a/</a> . <i>Chemical Communications</i> , 2003, , 1950.	2.2	102
142	Silver coated gold nanoparticles as new surface enhanced Raman substrate at low analyte concentration. <i>Analyst</i> , 2003, 128, 954.	1.7	82
143	Anisotropic Chemical Reactivity of Gold Spheroids and Nanorods. <i>Langmuir</i> , 2002, 18, 922-927.	1.6	226
144	Liquid crystalline assemblies of ordered gold nanorods. <i>Journal of Materials Chemistry</i> , 2002, 12, 2909-2912.	6.7	191

#	ARTICLE	IF	CITATIONS
145	Wet Chemical Synthesis of High Aspect Ratio Cylindrical Gold Nanorods. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4065-4067.	1.2	2,386
146	Seed-Mediated Growth Approach for Shape-Controlled Synthesis of Spheroidal and Rod-like Gold Nanoparticles Using a Surfactant Template. <i>Advanced Materials</i> , 2001, 13, 1389-1393.	11.1	1,610
147	Wet chemical synthesis of silver nanorods and nanowires of controllable aspect ratio. <i>Chemical Communications</i> , 2001, , 617-618.	2.2	1,084
148	Preparation of Polystyrene- and Silica-Coated Gold Nanorods and Their Use as Templates for the Synthesis of Hollow Nanotubes. <i>Nano Letters</i> , 2001, 1, 601-603.	4.5	304
149	Seeding Growth for Size Control of 5~40 nm Diameter Gold Nanoparticles. <i>Langmuir</i> , 2001, 17, 6782-6786.	1.6	1,230
150	Evidence for Seed-Mediated Nucleation in the Chemical Reduction of Gold Salts to Gold Nanoparticles. <i>Chemistry of Materials</i> , 2001, 13, 2313-2322.	3.2	641
151	Size Controlled Synthesis of Gold Nanoparticles using Photochemically Prepared Seed Particles. <i>Journal of Nanoparticle Research</i> , 2001, 3, 257-261.	0.8	251
152	Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 131, 111-123.	2.0	59
153	Redox Catalytic Properties of Palladium Nanoparticles: A Surfactant and Electron Donor/Acceptor Effects. <i>Langmuir</i> , 2000, 16, 2457-2463.	1.6	171
154	Growing Small Silver Particle as Redox Catalyst. <i>Journal of Physical Chemistry B</i> , 1999, 103, 115-121.	1.2	340
155	Redox Catalytic Property of Still-Growing and Final Palladium Particles: A Comparative Study. <i>Langmuir</i> , 1999, 15, 3458-3463.	1.6	105
156	Silver Hydrosol, Organosol, and Reverse Micelle-Stabilized Sol: A Comparative Study. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 30-36.	5.0	42
157	Organized Media as Redox Catalysts. <i>Langmuir</i> , 1998, 14, 4724-4730.	1.6	112
158	Nucleophile induced dissolution of gold. <i>Corrosion Science</i> , 1997, 39, 981-986.	3.0	35
159	Reversible Formation and Dissolution of Silver Nanoparticles in Aqueous Surfactant Media. <i>Langmuir</i> , 1997, 13, 1481-1485.	1.6	248
160	Polarity Dependent Positional Shift of Probe in a Micellar Environment. <i>Langmuir</i> , 1996, 12, 3114-3121.	1.6	50
161	Spectrofluorimetric determination of arsenic in water samples. <i>Analytical Communications</i> , 1996, 33, 315.	2.2	10
162	Determination of arsenic in aqueous samples with solvent extraction of ion associates. <i>Analytical Proceedings</i> , 1995, 32, 369.	0.4	10

#	ARTICLE	IF	CITATIONS
163	Spectrophotometric study of the interaction of some hydroxyanthraquinones (HAQs) with magnesium(II) in a cationic micelle. <i>Talanta</i> , 1994, 41, 1291-1295.	2.9	8
164	Emodin (1,3,8-trihydroxy-6-methylanthraquinone): a spectrophotometric reagent for the determination of beryllium(II), magnesium(II) and calcium(II). <i>Analyst</i> , The, 1993, 118, 1337.	1.7	20
165	Spectrophotometric determination of magnesium(II) with emodin (1,3,8-trihydroxy-6-methylanthraquinone). <i>Analyst</i> , The, 1992, 117, 791.	1.7	14
166	Spectrophotometric determination of dissolved oxygen in water by the formation of a dicyanoaurate(I) complex with gold sol. <i>Analyst</i> , The, 1991, 116, 321.	1.7	10
167	Water Dispersible Red Fluorescent Carbon Nanoparticles via Carbonization of Resorcinol. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	7