

# Nikhil R Jana

## List of Publications by Year in descending order

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167  
papers

20,178  
citations

18465

62  
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173  
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173  
docs citations

173  
times ranked

23035  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Seeding Growth for Size Control of 5~40 nm Diameter Gold Nanoparticles. <i>Langmuir</i> , 2001, 17, 6782-6786.	1.6	1,230
4	Wet chemical synthesis of silver nanorods and nanowires of controllable aspect ratio. <i>Chemical Communications</i> , 2001, , 617-618.	2.2	1,084
5	Fluorescent Carbon Nanoparticles: Synthesis, Characterization, and Bioimaging Application. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18546-18551.	1.5	1,036
6	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
7	Carbon Nanoparticle-based Fluorescent Bioimaging Probes. <i>Scientific Reports</i> , 2013, 3, 1473.	1.6	642
8	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
9	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
10	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
11	Gram-Scale Synthesis of Soluble, Near-Monodisperse Gold Nanorods and Other Anisotropic Nanoparticles. <i>Small</i> , 2005, 1, 875-882.	5.2	364
12	Growing Small Silver Particle as Redox Catalyst. <i>Journal of Physical Chemistry B</i> , 1999, 103, 115-121.	1.2	340
13	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
14	Functional and Multifunctional Nanoparticles for Bioimaging and Biosensing. <i>Langmuir</i> , 2010, 26, 11631-11641.	1.6	295
15	Synthesis of Water-Soluble and Functionalized Nanoparticles by Silica Coating. <i>Chemistry of Materials</i> , 2007, 19, 5074-5082.	3.2	285
16	Size Controlled Synthesis of Gold Nanoparticles using Photochemically Prepared Seed Particles. <i>Journal of Nanoparticle Research</i> , 2001, 3, 257-261.	0.8	251
17	Reversible Formation and Dissolution of Silver Nanoparticles in Aqueous Surfactant Media. <i>Langmuir</i> , 1997, 13, 1481-1485.	1.6	248
18	Anisotropic Chemical Reactivity of Gold Spheroids and Nanorods. <i>Langmuir</i> , 2002, 18, 922-927.	1.6	226

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19	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
20	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1454-1458.	2.1	192
21	Liquid crystalline assemblies of ordered gold nanorods. <i>Journal of Materials Chemistry</i> , 2002, 12, 2909-2912.	6.7	191
22	Anisotropic Metal Nanoparticles for Use as Surface-Enhanced Raman Substrates. <i>Advanced Materials</i> , 2007, 19, 1761-1765.	11.1	179
23	Shape Effect in Nanoparticle Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1536-1540.	7.2	172
24	Redox Catalytic Properties of Palladium Nanoparticles: A Surfactant and Electron Donor/Acceptor Effects. <i>Langmuir</i> , 2000, 16, 2457-2463.	1.6	171
25	Enhanced catalytic performance by copper nanoparticle-graphene based composite. <i>RSC Advances</i> , 2013, 3, 5615.	1.7	150
26	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
27	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
28	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
29	Detection of Cellular Glutathione and Oxidized Glutathione Using Magnetic-Plasmonic Nanocomposite-Based "Turn-Off" Surface Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2013, 85, 9221-9228.	3.2	127
30	Fluorescent detection of cholesterol using $\beta$ -cyclodextrin functionalized graphene. <i>Chemical Communications</i> , 2012, 48, 7316.	2.2	124
31	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
32	Organized Media as Redox Catalysts. <i>Langmuir</i> , 1998, 14, 4724-4730.	1.6	112
33	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
34	Redox Catalytic Property of Still-Growing and Final Palladium Particles: A Comparative Study. <i>Langmuir</i> , 1999, 15, 3458-3463.	1.6	105
35	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
36	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

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37	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. RSC Advances, 2014, 4, 10001.	1.7	99
38	Synthesis of Carbohydrate-Conjugated Nanoparticles and Quantum Dots. Langmuir, 2008, 24, 6215-6219.	1.6	97
39	Prevention of photooxidation in blue-green emitting Cu doped ZnSe nanocrystals. Chemical Communications, 2010, 46, 2853.	2.2	94
40	Red Fluorescent Carbon Nanoparticle-Based Cell Imaging Probe. ACS Applied Materials & Interfaces, 2016, 8, 9305-9313.	4.0	93
41	Nanoparticle Size Effects in Biomedical Applications. ACS Applied Nano Materials, 2021, 4, 6471-6496.	2.4	90
42	Advances in Coating Chemistry in Deriving Soluble Functional Nanoparticle. Journal of Physical Chemistry C, 2010, 114, 11009-11017.	1.5	89
43	Vitamin B <sub>1</sub> Derived Blue and Green Fluorescent Carbon Nanoparticles for Cell-Imaging Application. ACS Applied Materials & Interfaces, 2014, 6, 7672-7679.	4.0	88
44	Nanoparticle Multivalency Directed Shifting of Cellular Uptake Mechanism. Journal of Physical Chemistry C, 2016, 120, 6778-6786.	1.5	83
45	Silver coated gold nanoparticles as new surface enhanced Raman substrate at low analyte concentration. Analyst, The, 2003, 128, 954.	1.7	82
46	Controlled photostability of luminescent nanocrystalline ZnO solution for selective detection of aldehydes. Chemical Communications, 2007, , 1406.	2.2	81
47	Ultrasensitive Electrochemical DNA Biosensors Based on the Detection of a Highly Characteristic Solid-State Process. Small, 2009, 5, 1414-1417.	5.2	80
48	Functionalized Plasmonic-Fluorescent Nanoparticles for Imaging and Detection. Journal of Physical Chemistry C, 2009, 113, 18492-18498.	1.5	77
49	Surfactant-Free, Stable Noble Metal-Graphene Nanocomposite as High Performance Electrocatalyst. ACS Catalysis, 2014, 4, 593-599.	5.5	76
50	Clathrin to Lipid Raft-Endocytosis via Controlled Surface Chemistry and Efficient Perinuclear Targeting of Nanoparticle. Journal of Physical Chemistry Letters, 2015, 6, 3688-3697.	2.1	76
51	Carbohydrate coated, folate functionalized colloidal graphene as a nanocarrier for both hydrophobic and hydrophilic drugs. Nanoscale, 2014, 6, 2752.	2.8	75
52	Gold nanoclusters with enhanced tunable fluorescence as bioimaging probes. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 102-110.	3.3	72
53	Functionalized graphene and graphene oxide solution via polyacrylate coating. Nanoscale, 2010, 2, 2777.	2.8	71
54	Design and development of quantum dots and other nanoparticles based cellular imaging probe. Physical Chemistry Chemical Physics, 2011, 13, 385-396.	1.3	71

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55	Detection and Monitoring of Amyloid Fibrillation Using a Fluorescence "Switch-On" Probe. ACS Applied Materials & Interfaces, 2015, 7, 25813-25820.	4.0	68
56	Inhibition of Amyloid Fibril Growth by Nanoparticle Coated with Histidine-Based Polymer. Journal of Physical Chemistry C, 2014, 118, 21630-21638.	1.5	67
57	Synthesis of Au-core-Ag-shell type bimetallic nanoparticles for single molecule detection in solution by SERS method. Journal of Nanoparticle Research, 2004, 6, 53-61.	0.8	66
58	Fluorescent carbon dots as intracellular imaging probes. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1617.	3.3	66
59	Synthesis of Functionalized Au Nanoparticles for Protein Detection. Advanced Materials, 2008, 20, 430-434.	11.1	65
60	Functionalization of Gold Nanospheres and Nanorods by Chitosan Oligosaccharide Derivatives. Advanced Materials, 2008, 20, 2068-2073.	11.1	65
61	Surface Coating Directed Cellular Delivery of TAT-Functionalized Quantum Dots. Bioconjugate Chemistry, 2009, 20, 1752-1758.	1.8	64
62	Dextran-Gated, Multifunctional Mesoporous Nanoparticle for Glucose-Responsive and Targeted Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 22183-22191.	4.0	64
63	$\beta$ -Cyclodextrin Functionalized Magnetic Mesoporous Silica Colloid for Cholesterol Separation. ACS Applied Materials & Interfaces, 2015, 7, 1340-1347.	4.0	64
64	Peptide-Functionalized Colloidal Graphene via Interdigitated Bilayer Coating and Fluorescence Turn-on Detection of Enzyme. ACS Applied Materials & Interfaces, 2011, 3, 3335-3341.	4.0	63
65	Design and Synthesis of Triphenylphosphonium Functionalized Nanoparticle Probe for Mitochondria Targeting and Imaging. Journal of Physical Chemistry C, 2015, 119, 2888-2895.	1.5	61
66	Highly Colloidally Stable Hyperbranched Polyglycerol Grafted Red Fluorescent Silicon Nanoparticle as Bioimaging Probe. ACS Applied Materials & Interfaces, 2014, 6, 4301-4309.	4.0	60
67	Multivalent gold nanoparticle-peptide conjugates for targeting intracellular bacterial infections. Nanoscale, 2017, 9, 14074-14093.	2.8	60
68	Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 131, 111-123.	2.0	59
69	TiO <sub>2</sub> Nanoparticles Co-doped with Nitrogen and Fluorine as Visible-Light-Activated Antifungal Agents. ACS Applied Nano Materials, 2020, 3, 2016-2025.	2.4	58
70	Vitamin C-Conjugated Nanoparticle Protects Cells from Oxidative Stress at Low Doses but Induces Oxidative Stress and Cell Death at High Doses. ACS Applied Materials & Interfaces, 2017, 9, 41807-41817.	4.0	56
71	Multivalency Effect of TAT-Peptide-Functionalized Nanoparticle in Cellular Endocytosis and Subcellular Trafficking. Journal of Physical Chemistry B, 2017, 121, 2942-2951.	1.2	51
72	Polarity Dependent Positional Shift of Probe in a Micellar Environment. Langmuir, 1996, 12, 3114-3121.	1.6	50

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73	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
74	Facile tuning of the aggregation-induced emission wavelength in a common framework of a cyclometalated iridium( $\text{Ir}^{\text{III}}$ ) complex: micellar encapsulated probe in cellular imaging. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5615-5628.	2.7	49
75	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
76	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
77	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
78	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
79	Detection of protein molecules by surface-enhanced Raman spectroscopy-based immunoassay using $\sim 5$ nm gold nanoparticle labels. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 1326-1331.	1.2	45
80	Functionalized Gold Nanorod Solution via Reverse Micelle Based Polyacrylate Coating. <i>Langmuir</i> , 2010, 26, 7475-7481.	1.6	45
81	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
82	Inhibition and Degradation of Amyloid Beta ( $\text{A}\beta_{240}$ ) 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
83	Functional, mesoporous, superparamagnetic colloidal sorbents for efficient removal of toxic metals. <i>Chemical Communications</i> , 2012, 48, 9272.	2.2	43
84	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
85	Nitrogen and Fluorine Codoped, Colloidal $\text{TiO}_2$ 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
86	Doped semiconductor nanocrystal based fluorescent cellular imaging probes. <i>Nanoscale</i> , 2013, 5, 5506.	2.8	41
87	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
88	Trehalose-Functionalized Gold Nanoparticle for Inhibiting Intracellular Protein Aggregation. <i>Langmuir</i> , 2017, 33, 13996-14003.	1.6	41
89	Sugar-Terminated Nanoparticle Chaperones Are $10^2$ - $10^5$ 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
90	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

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91	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
92	Nucleophile induced dissolution of gold. <i>Corrosion Science</i> , 1997, 39, 981-986.	3.0	35
93	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
94	Dopamine functionalized polymeric nanoparticle for targeted drug delivery. <i>RSC Advances</i> , 2015, 5, 33586-33594.	1.7	34
95	Fluorescent Imaging Probe from Nanoparticle Made of AIE Molecule. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5196-5206.	1.5	33
96	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
97	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
98	Silicon nanoparticle based fluorescent biological label via low temperature thermal degradation of chloroalkylsilane. <i>Nanoscale</i> , 2013, 5, 5732.	2.8	32
99	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
100	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
101	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
102	TiO <sub>2</sub> -Templated BaTiO <sub>3</sub> Nanorod as a Piezocatalyst for Generating Wireless Cellular Stress. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48363-48370.	4.0	31
103	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
104	Ligand Exchange Approach in Deriving Magnetic <sup>+</sup> Fluorescent and Magnetic <sup>+</sup> Plasmonic Hybrid Nanoparticle. <i>Langmuir</i> , 2010, 26, 4351-4356.	1.6	29
105	Colloidal Nanobioconjugate with Complementary Surface Chemistry for Cellular and Subcellular Targeting. <i>Langmuir</i> , 2018, 34, 13461-13471.	1.6	28
106	Molecular Imprinted Poly-Cyclodextrin for Selective Removal of Dibutyl Phthalate. <i>ACS Applied Polymer Materials</i> , 2020, 2, 691-698.	2.0	28
107	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
108	Nanoscale Heterogeneities Drive Enhanced Binding and Anomalous Diffusion of Nanoparticles in Model Biomembranes. <i>Langmuir</i> , 2018, 34, 1691-1699.	1.6	27



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109	Gold-Nanorod-Based Hybrid Cellular Probe with Multifunctional Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19612-19620.	1.5	26
110	Glucose/galactose/dextran-functionalized quantum dots, iron oxide and doped semiconductor nanoparticles with <math>\approx 100</math> nm hydrodynamic diameter. <i>RSC Advances</i> , 2012, 2, 11915.	1.7	26
111	Arginine-Terminated Nanoparticles of <math>\approx 10</math> nm 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
112	Graphene-Based Composite with $\text{Fe}_2\text{O}_3$ Nanoparticle for the High-Performance Removal of Endocrine-Disrupting Compounds from Water. <i>Chemistry - an Asian Journal</i> , 2013, 8, 786-791.	1.7	25
113	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
114	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
115	Trehalose-Conjugated, Catechin-Loaded Polylactide Nanoparticles for Improved Neuroprotection against Intracellular Polyglutamine Aggregates. <i>Biomacromolecules</i> , 2020, 21, 1578-1586.	2.6	25
116	Chitosan-Cholesterol-Based Cellular Delivery of Anionic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 137-144.	1.5	24
117	Quercetin Encapsulated Polymer Nanoparticle for Inhibiting Intracellular Polyglutamine Aggregation. <i>ACS Applied Bio Materials</i> , 2019, 2, 5298-5305.	2.3	24
118	Arginine-Terminated, Chemically Designed Nanoparticle for Direct Cell Translocation. <i>ACS Applied Bio Materials</i> , 2019, 2, 339-348.	2.3	24
119	Chemically Designed Nanoscale Materials for Controlling Cellular Processes. <i>Accounts of Chemical Research</i> , 2021, 54, 2916-2927.	7.6	24
120	Folic Acid Functionalized Nanoprobes for Fluorescence, Dark-Field, and Dual-Imaging-Based Selective Detection of Cancer Cells and Tissue. <i>ChemPlusChem</i> , 2013, 78, 259-267.	1.3	23
121	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
122	Quantum Dot-Based Designed Nanoprobe for Imaging Lipid Droplet. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23727-23735.	1.5	23
123	Phase Transfer and Surface Functionalization of Hydrophobic Nanoparticle using Amphiphilic Poly(amino acid). <i>Langmuir</i> , 2016, 32, 2798-2807.	1.6	22
124	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
125	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
126	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



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127	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
128	Emodin (1,3,8-trihydroxy-6-methylantraquinone): a spectrophotometric reagent for the determination of beryllium(II), magnesium(II) and calcium(II). Analyst, The, 1993, 118, 1337.	1.7	20
129	Small-Molecule-Functionalized Hyperbranched Polyglycerol Dendrimers for Inhibiting Protein Aggregation. Biomacromolecules, 2020, 21, 3270-3278.	2.6	20
130	Tunable Catalytic Performance and Selectivity of a Nanoparticleâ€“Graphene Composite through Finely Controlled Nanoparticle Loading. Chemistry - an Asian Journal, 2012, 7, 2931-2936.	1.7	19
131	Galactose-Functionalized, Colloidal-Fluorescent Nanoparticle from Aggregation-Induced Emission Active Molecule via Polydopamine Coating for Cancer Cell Targeting. ACS Applied Nano Materials, 2018, 1, 3531-3540.	2.4	19
132	Effect of size and oxidation state of platinum nanoparticles on the electrocatalytic performance of graphene-nanoparticle composites. RSC Advances, 2015, 5, 85196-85201.	1.7	18
133	Plasmonic photocatalysis: complete degradation of bisphenol A by a gold nanoparticleâ€“reduced graphene oxide composite under visible light. Photochemical and Photobiological Sciences, 2018, 17, 628-637.	1.6	18
134	AI Egen-Conjugated Magnetic Nanoparticles as Magneticâ€“Fluorescent Bioimaging Probes. ACS Applied Nano Materials, 2019, 2, 3292-3299.	2.4	18
135	Enhanced Piezocatalysis by Calcium Phosphate Nanowires via Gold Nanoparticle Conjugation. ACS Applied Materials & Interfaces, 2022, 14, 26443-26454.	4.0	18
136	Fluorescent Amphiphilic PEGâ€“Peptideâ€“PEG Triblock Conjugate Micelles for Cell Imaging. Macromolecular Bioscience, 2014, 14, 929-935.	2.1	17
137	Pharmacologic Vitamin C-Based Cell Therapy via Iron Oxide Nanoparticle-Induced Intracellular Fenton Reaction. ACS Applied Nano Materials, 2020, 3, 1683-1692.	2.4	17
138	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
139	Spectrophotometric determination of magnesium(II) with emodin (1,3,8-trihydroxy-6-methylantraquinone). Analyst, The, 1992, 117, 791.	1.7	14
140	Efficient and reusable graphene-Î³-Fe <sub>2</sub> O <sub>3</sub> magnetic nano-composite for selective oxidation and one-pot synthesis of 1,2,3-triazole using a green solvent. RSC Advances, 2013, 3, 18087.	1.7	14
141	Nanoparticle-Incorporated Functional Mesoporous Silica Colloid for Diverse Applications. European Journal of Inorganic Chemistry, 2012, 2012, 4470-4478.	1.0	13
142	Cysteine-based amphiphilic peptide-polymer conjugates via thiol-mediated radical polymerization: Synthesis, self-assembly, RNA polyplexation and N-terminus fluorescent labeling for cell imaging. Polymer, 2017, 112, 125-135.	1.8	13
143	Supramolecular Hostâ€“Guest Chemistry-Based Folate/Riboflavin Functionalization and Cancer Cell Labeling of Nanoparticles. ACS Omega, 2017, 2, 8948-8958.	1.6	13
144	Biomedical Applications of Functional Polyaspartamide-Based Materials. ACS Applied Polymer Materials, 2021, 3, 4791-4811.	2.0	13

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145	Inhibiting Protein Aggregation by Small Molecule-Based Colloidal Nanoparticles. <i>Accounts of Materials Research</i> , 2022, 3, 54-66.	5.9	13
146	Electric and Ferro-Electric Behaviour of Polymer-Coated Graphene-Oxide Thin Film. <i>Physics Procedia</i> , 2013, 46, 62-70.	1.2	12
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