

Nikhil R Jana

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166
papers

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131
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173
ext. papers

18,780
ext. citations

6.2
avg, IF

7.12
L-index

#	Paper	IF	Citations
166	Wet Chemical Synthesis of High Aspect Ratio Cylindrical Gold Nanorods. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 4065-4067	3.4	2170
165	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	24	1429
164	Seeding Growth for Size Control of 50 nm Diameter Gold Nanoparticles. <i>Langmuir</i> , 2001 , 17, 6782-6786	4	1096
163	Wet chemical synthesis of silver nanorods and nanowires of controllable aspect ratio. <i>Chemical Communications</i> , 2001 , 617-618	5.8	992
162	Fluorescent Carbon Nanoparticles: Synthesis, Characterization, and Bioimaging Application. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18546-18551	3.8	935
161	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	9.6	758
160	Evidence for Seed-Mediated Nucleation in the Chemical Reduction of Gold Salts to Gold Nanoparticles. <i>Chemistry of Materials</i> , 2001 , 13, 2313-2322	9.6	571
159	Carbon nanoparticle-based fluorescent bioimaging probes. <i>Scientific Reports</i> , 2013 , 3, 1473	4.9	551
158	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, 14280-1	16.4	496
157	Aspect ratio dependence on surface enhanced Raman scattering using silver and gold nanorod substrates. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 165-70	3.6	403
156	Gram-scale synthesis of soluble, near-monodisperse gold nanorods and other anisotropic nanoparticles. <i>Small</i> , 2005 , 1, 875-82	11	323
155	Growing Small Silver Particle as Redox Catalyst. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 115-121	3.4	318
154	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	11.5	285
153	Functional and multifunctional nanoparticles for bioimaging and biosensing. <i>Langmuir</i> , 2010 , 26, 11631-41	4	265
152	Synthesis of Water-Soluble and Functionalized Nanoparticles by Silica Coating. <i>Chemistry of Materials</i> , 2007 , 19, 5074-5082	9.6	257
151	Reversible Formation and Dissolution of Silver Nanoparticles in Aqueous Surfactant Media. <i>Langmuir</i> , 1997 , 13, 1481-1485	4	231
150	Size Controlled Synthesis of Gold Nanoparticles using Photochemically Prepared Seed Particles. <i>Journal of Nanoparticle Research</i> , 2001 , 3, 257-261	2.3	223

149	Anisotropic Chemical Reactivity of Gold Spheroids and Nanorods. <i>Langmuir</i> , 2002 , 18, 922-927	4	211
148	Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1454-1458	6.4	184
147	Liquid crystalline assemblies of ordered gold nanorods. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2909-2912		179
146	Anisotropic Metal Nanoparticles for Use as Surface-Enhanced Raman Substrates. <i>Advanced Materials</i> , 2007 , 19, 1761-1765	24	163
145	Redox Catalytic Properties of Palladium Nanoparticles: Surfactant and Electron Donor/Acceptor Effects. <i>Langmuir</i> , 2000 , 16, 2457-2463	4	159
144	Reduced graphene oxide-silver nanoparticle composite as visible light photocatalyst for degradation of colorless endocrine disruptors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20085-9295	9.5	156
143	Shape effect in nanoparticle self-assembly. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1536-4016.4	6.4	155
142	Surface-Ligand-Dependent Cellular Interaction, Subcellular Localization, and Cytotoxicity of Polymer-Coated Quantum Dots. <i>Chemistry of Materials</i> , 2010 , 22, 2239-2247	9.6	140
141	Inhibition of amyloid fibril growth and dissolution of amyloid fibrils by curcumin-gold nanoparticles. <i>Chemistry - A European Journal</i> , 2014 , 20, 6184-91	4.8	113
140	Enhanced catalytic performance by copper nanoparticle/graphene based composite. <i>RSC Advances</i> , 2013 , 3, 5615	3.7	112
139	Detection of cellular glutathione and oxidized glutathione using magnetic-plasmonic nanocomposite-based "turn-off" surface enhanced Raman scattering. <i>Analytical Chemistry</i> , 2013 , 85, 9221-8	7.8	108
138	An Alternate Route to High-Quality ZnSe and Mn-Doped ZnSe Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 485-488	6.4	106
137	Organized Media as Redox Catalysts. <i>Langmuir</i> , 1998 , 14, 4724-4730	4	104
136	Fluorescent detection of cholesterol using β -cyclodextrin functionalized graphene. <i>Chemical Communications</i> , 2012 , 48, 7316-8	5.8	100
135	Redox Catalytic Property of Still-Growing and Final Palladium Particles: A Comparative Study. <i>Langmuir</i> , 1999 , 15, 3458-3463	4	100
134	Synthesis of carbohydrate-conjugated nanoparticles and quantum dots. <i>Langmuir</i> , 2008 , 24, 6215-9	4	93
133	Prevention of photooxidation in blue-green emitting Cu doped ZnSe nanocrystals. <i>Chemical Communications</i> , 2010 , 46, 2853-5	5.8	90
132	Nanorod shape separation using surfactant assisted self-assembly. <i>Chemical Communications</i> , 2003 , 1950-3	3	88

131	Advances in Coating Chemistry in Deriving Soluble Functional Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11009-11017	3.8	85
130	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	3.7	82
129	Red Fluorescent Carbon Nanoparticle-Based Cell Imaging Probe. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9305-13	9.5	80
128	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 & Interfaces</i> , 2016 , 8, 20309-18	9.5	76
127	Silver coated gold nanoparticles as new surface enhanced Raman substrate at low analyte concentration. <i>Analyst, The</i> , 2003 , 128, 954	5	76
126	Vitamin B1 derived blue and green fluorescent carbon nanoparticles for cell-imaging application. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7672-9	9.5	75
125	Controlled photostability of luminescent nanocrystalline ZnO solution for selective detection of aldehydes. <i>Chemical Communications</i> , 2007 , 1406-8	5.8	73
124	Functionalized Plasmonic-Fluorescent Nanoparticles for Imaging and Detection. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18492-18498	3.8	72
123	Ultrasensitive electrochemical DNA biosensors based on the detection of a highly characteristic solid-state process. <i>Small</i> , 2009 , 5, 1414-7	11	71
122	Poly(trehalose) Nanoparticles Prevent Amyloid Aggregation and Suppress Polyglutamine Aggregation in a Huntington's Disease Model Mouse. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24126-24139	9.5	69
121	Carbohydrate coated, folate functionalized colloidal graphene as a nanocarrier for both hydrophobic and hydrophilic drugs. <i>Nanoscale</i> , 2014 , 6, 2752-8	7.7	69
120	Design and development of quantum dots and other nanoparticles based cellular imaging probe. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 385-96	3.6	67
119	Nanoparticle Multivalency Directed Shifting of Cellular Uptake Mechanism. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6778-6786	3.8	65
118	Surfactant-Free, Stable Noble Metal-Graphene Nanocomposite as High Performance Electrocatalyst. <i>ACS Catalysis</i> , 2014 , 4, 593-599	13.1	64
117	Gold nanoclusters with enhanced tunable fluorescence as bioimaging probes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014 , 6, 102-10	9.2	64
116	Synthesis of Functionalized Au Nanoparticles for Protein Detection. <i>Advanced Materials</i> , 2008 , 20, 430-434	8.7	63
115	Functionalized graphene and graphene oxide solution via polyacrylate coating. <i>Nanoscale</i> , 2010 , 2, 2777-82	7.2	62
114	Surface coating directed cellular delivery of TAT-functionalized quantum dots. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1752-8	6.3	60

113	ZnSnO ₃ Nanoparticle-Based Piezocatalysts for Ultrasound-Assisted Degradation of Organic Pollutants. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1120-1128	5.6	59
112	Dextran-gated, multifunctional mesoporous nanoparticle for glucose-responsive and targeted drug delivery. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22183-91	9.5	59
111	Clathrin to Lipid Raft-Endocytosis via Controlled Surface Chemistry and Efficient Perinuclear Targeting of Nanoparticle. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3688-97	6.4	58
110	Synthesis of Aucore@Agshell type bimetallic nanoparticles for single molecule detection in solution by SERS method. <i>Journal of Nanoparticle Research</i> , 2004 , 6, 53-61	2.3	58
109	Functionalization of Gold Nanospheres and Nanorods by Chitosan Oligosaccharide Derivatives. <i>Advanced Materials</i> , 2008 , 20, 2068-2073	24	57
108	Inhibition of Amyloid Fibril Growth by Nanoparticle Coated with Histidine-Based Polymer. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 21630-21638	3.8	56
107	Peptide-functionalized colloidal graphene via interdigitated bilayer coating and fluorescence turn-on detection of enzyme. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3335-41	9.5	56
106	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	4.7	56
105	β-Cyclodextrin functionalized magnetic mesoporous silica colloid for cholesterol separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1340-7	9.5	53
104	Highly colloidally stable hyperbranched polyglycerol grafted red fluorescent silicon nanoparticle as bioimaging probe. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4301-9	9.5	53
103	Detection and Monitoring of Amyloid Fibrillation Using a Fluorescence "Switch-On" Probe. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25813-20	9.5	52
102	Design and Synthesis of Triphenylphosphonium Functionalized Nanoparticle Probe for Mitochondria Targeting and Imaging. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2888-2895	3.8	49
101	Polarity Dependent Positional Shift of Probe in a Micellar Environment. <i>Langmuir</i> , 1996 , 12, 3114-3121	4	47
100	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	7.1	46
99	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, 6649-57	7.7	45
98	Functionalized gold nanorod solution via reverse micelle based polyacrylate coating. <i>Langmuir</i> , 2010 , 26, 7475-81	4	45
97	Langmuir-Blodgett thin films of quantum dots: synthesis, surface modification, and fluorescence resonance energy transfer (FRET) studies. <i>Langmuir</i> , 2008 , 24, 8181-6	4	44
96	Detection of protein molecules by surface-enhanced Raman spectroscopy-based immunoassay using 28 nm gold nanoparticle labels. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 1326-1331	2.3	44

95	Doped Semiconductor Nanocrystals and Organic Dyes: An Efficient and Greener FRET System. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 636-640	6.4	43
94	Multivalent gold nanoparticle-peptide conjugates for targeting intracellular bacterial infections. <i>Nanoscale</i> , 2017 , 9, 14074-14093	7.7	42
93	Thiol-directed synthesis of highly fluorescent gold clusters and their conversion into stable imaging nanoprobcs. <i>Chemistry - A European Journal</i> , 2013 , 19, 943-9	4.8	41
92	Functional, mesoporous, superparamagnetic colloidal sorbents for efficient removal of toxic metals. <i>Chemical Communications</i> , 2012 , 48, 9272-4	5.8	41
91	Inhibition and Degradation of Amyloid Beta (A β) Fibrillation by Designed Small Peptide: A Combined Spectroscopy, Microscopy, and Cell Toxicity Study. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 718-722	5.7	40
90	Paper-based microfluidic approach for surface-enhanced raman spectroscopy and highly reproducible detection of proteins beyond picomolar concentration. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 996-1003	9.5	40
89	Silver Hydrosol, Organosol, and Reverse Micelle-Stabilized Sol ∇ Comparative Study. <i>Journal of Colloid and Interface Science</i> , 1998 , 202, 30-36	9.3	40
88	Doped semiconductor nanocrystal based fluorescent cellular imaging probes. <i>Nanoscale</i> , 2013 , 5, 5506-137	7.7	38
87	Multivalency Effect of TAT-Peptide-Functionalized Nanoparticle in Cellular Endocytosis and Subcellular Trafficking. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 2942-2951	3.4	37
86	Nitrogen and Fluorine Codoped, Colloidal TiO Nanoparticle: Tunable Doping, Large Red-Shifted Band Edge, Visible Light Induced Photocatalysis, and Cell Death. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1976-1986	9.5	36
85	Cysteine-functionalized polyaspartic acid: a polymer for coating and bioconjugation of nanoparticles and quantum dots. <i>Langmuir</i> , 2010 , 26, 6503-7	4	35
84	Nucleophile induced dissolution of gold. <i>Corrosion Science</i> , 1997 , 39, 981-986	6.8	33
83	Dopamine functionalized polymeric nanoparticle for targeted drug delivery. <i>RSC Advances</i> , 2015 , 5, 33586-33594	5.7	34
82	Length-Controlled Synthesis of Calcium Phosphate Nanorod and Nanowire and Application in Intracellular Protein Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8710-20	9.5	31
81	Fluorescent Imaging Probe from Nanoparticle Made of AIE Molecule. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 5196-5206	3.8	30
80	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, 13917-24	4	30
79	Separation of Microcystin-LR by Cyclodextrin-Functionalized Magnetic Composite of Colloidal Graphene and Porous Silica. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9911-9	9.5	29
78	TiO ₂ Nanoparticles Co-doped with Nitrogen and Fluorine as Visible-Light-Activated Antifungal Agents. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2016-2025	5.6	29

77	Silicon nanoparticle based fluorescent biological label via low temperature thermal degradation of chloroalkylsilane. <i>Nanoscale</i> , 2013 , 5, 5732-7	7.7	29
76	Trehalose-Functionalized Gold Nanoparticle for Inhibiting Intracellular Protein Aggregation. <i>Langmuir</i> , 2017 , 33, 13996-14003	4	28
75	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 & Interfaces</i> , 2017 , 9, 41807-41817	9.5	28
74	Polyacrylate-coated graphene-oxide and graphene solution via chemical route for various biological application. <i>Diamond and Related Materials</i> , 2011 , 20, 449-453	3.5	28
73	Ligand exchange approach in deriving magnetic-fluorescent and magnetic-plasmonic hybrid nanoparticle. <i>Langmuir</i> , 2010 , 26, 4351-6	4	28
72	Selective electrochemical detection of bisphenol A using a molecularly imprinted polymer nanocomposite. <i>New Journal of Chemistry</i> , 2019 , 43, 1536-1543	3.6	25
71	Gold-Nanorod-Based Hybrid Cellular Probe with Multifunctional Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19612-19620	3.8	25
70	Fluorescent carbon dots as intracellular imaging probes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1617	9.2	25
69	Sugar-Terminated Nanoparticle Chaperones Are 10-10 Times Better Than Molecular Sugars in Inhibiting Protein Aggregation and Reducing Amyloidogenic Cytotoxicity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10554-10566	9.5	24
68	Glucose/galactose/dextran-functionalized quantum dots, iron oxide and doped semiconductor nanoparticles with . <i>RSC Advances</i> , 2012 , 2, 11915	3.7	24
67	Imidazole Based Biocompatible Polymer Coating in Deriving . <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21484-21492	3.8	24
66	Designed Polymer Micelle for Clearing Amyloid Protein Aggregates via Up-Regulated Autophagy. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 390-401	5.5	24
65	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	2.5	23
64	Colloidal Nanobioconjugate with Complementary Surface Chemistry for Cellular and Subcellular Targeting. <i>Langmuir</i> , 2018 , 34, 13461-13471	4	23
63	Graphene-based composite with Fe ₂ O ₃ nanoparticle for the high-performance removal of endocrine-disrupting compounds from water. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 786-91	4.5	23
62	Antiamyloidogenic Chemical/Biochemical-Based Designed Nanoparticle as Artificial Chaperone for Efficient Inhibition of Protein Aggregation. <i>Biomacromolecules</i> , 2018 , 19, 1721-1731	6.9	22
61	Shape Effect in Nanoparticle Self-Assembly. <i>Angewandte Chemie</i> , 2004 , 116, 1562-1566	3.6	22
60	Nanoscale Heterogeneities Drive Enhanced Binding and Anomalous Diffusion of Nanoparticles in Model Biomembranes. <i>Langmuir</i> , 2018 , 34, 1691-1699	4	21

59	Chitosan-Cholesterol-Based Cellular Delivery of Anionic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 137-144	3.8	20
58	Water soluble luminescent cyclometalated platinum(II) complex: A suitable probe for bio-imaging applications. <i>Inorganic Chemistry Communication</i> , 2016 , 67, 107-111	3.1	19
57	Phase Transfer and Surface Functionalization of Hydrophobic Nanoparticle using Amphiphilic Poly(amino acid). <i>Langmuir</i> , 2016 , 32, 2798-807	4	19
56	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	2.8	19
55	Quantum Dot-Based Designed Nanoprobe for Imaging Lipid Droplet. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23727-23735	3.8	18
54	Arginine-Terminated, Chemically Designed Nanoparticle for Direct Cell Translocation.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 339-348	4.1	18
53	Galactose Multivalency Effect on the Cell Uptake Mechanism of Bioconjugated Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25651-25660	3.8	18
52	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	5.6	17
51	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	5.6	17
50	Quercetin Encapsulated Polymer Nanoparticle for Inhibiting Intracellular Polyglutamine Aggregation.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 5298-5305	4.1	15
49	AI Egen-Conjugated Magnetic Nanoparticles as Magnetic-Fluorescent Bioimaging Probes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3292-3299	5.6	15
48	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	3.7	15
47	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, 24238-47	3.6	15
46	Arginine-Terminated Nanoparticles of . <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2363-2368	6.4	15
45	Fluorescent amphiphilic PEG-peptide-PEG triblock conjugate micelles for cell imaging. <i>Macromolecular Bioscience</i> , 2014 , 14, 929-35	5.5	15
44	Nanoparticle Size Effects in Biomedical Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6471-6496	5.6	15
43	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	8.3	14
42	Trehalose-Conjugated, Catechin-Loaded Polylactide Nanoparticles for Improved Neuroprotection against Intracellular Polyglutamine Aggregates. <i>Biomacromolecules</i> , 2020 , 21, 1578-1586	6.9	14

41	Tunable catalytic performance and selectivity of a nanoparticle-graphene composite through finely controlled nanoparticle loading. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2931-6	4.5	14
40	Molecular Imprinted Poly-Cyclodextrin for Selective Removal of Dibutyl Phthalate. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 691-698	4.3	14
39	Electronic, electrical and magnetic behaviours of reduced graphene-oxide functionalized with silica coated gold nanoparticles. <i>Applied Surface Science</i> , 2019 , 483, 106-113	6.7	13
38	ZnSnO ₃ /BN nanocomposite-based piezocatalyst: ultrasound assisted reactive oxygen species generation for degradation of organic pollutants. <i>New Journal of Chemistry</i> , 2020 , 44, 9278-9287	3.6	13
37	Nanoparticle-Incorporated Functional Mesoporous Silica Colloid for Diverse Applications. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4470-4478	2.3	13
36	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, 6284-637	4.2	12
35	Electric and Ferro-Electric Behaviour of Polymer-Coated Graphene-Oxide Thin Film. <i>Physics Procedia</i> , 2013 , 46, 62-70		12
34	TiO-Templated BaTiO Nanorod as a Piezocatalyst for Generating Wireless Cellular Stress. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48363-48370	9.5	12
33	Small-Molecule-Functionalized Hyperbranched Polyglycerol Dendrimers for Inhibiting Protein Aggregation. <i>Biomacromolecules</i> , 2020 , 21, 3270-3278	6.9	11
32	Efficient and reusable graphene-Fe ₂ O ₃ 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	3.7	11
31	Supramolecular Host-Guest Chemistry-Based Folate/Riboflavin Functionalization and Cancer Cell Labeling of Nanoparticles. <i>ACS Omega</i> , 2017 , 2, 8948-8958	3.9	11
30	Emodin (1,3,8-trihydroxy-6-methylantraquinone): a spectrophotometric reagent for the determination of beryllium(II), magnesium(II) and calcium(II). <i>Analyst, The</i> , 1993 , 118, 1337	5	11
29	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	3.9	9
28	Lipid-Raft-Mediated Direct Cytosolic Delivery of Polymer-Coated Soft Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 5323-5333	3.4	9
27	Pharmacologic Vitamin C-Based Cell Therapy via Iron Oxide Nanoparticle-Induced Intracellular Fenton Reaction. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1683-1692	5.6	9
26	Functionalized chitosan with self-assembly induced and subcellular localization-dependent fluorescence switch on/off property. <i>New Journal of Chemistry</i> , 2018 , 42, 5774-5784	3.6	9
25	Spectrofluorimetric determination of arsenic in water samples. <i>Analytical Communications</i> , 1996 , 33, 315		9
24	Biomolecule-derived Fluorescent Carbon Nanoparticle as Bioimaging Probe. <i>MRS Advances</i> , 2018 , 3, 779-788	7.8	8

23	Riboflavin-Terminated, Multivalent Quantum Dot as Fluorescent Cell Imaging Probe. <i>Langmuir</i> , 2019 , 35, 11380-11388	4	8
22	Highly fluorescent magnetic quantum dot probe with superior colloidal stability. <i>Nanoscale</i> , 2010 , 2, 2561-4	7-7	8
21	Determination of arsenic in aqueous samples with solvent extraction of ion associates. <i>Analytical Proceedings</i> , 1995 , 32, 369		8
20	Spectrophotometric determination of dissolved oxygen in water by the formation of a dicyanoaurate(I) complex with gold sol. <i>Analyst, The</i> , 1991 , 116, 321	5	8
19	Spectrophotometric determination of magnesium(II) with emodin (1,3,8-trihydroxy-6-methylantraquinone). <i>Analyst, The</i> , 1992 , 117, 791	5	7
18	Chemically Designed Nanoscale Materials for Controlling Cellular Processes. <i>Accounts of Chemical Research</i> , 2021 , 54, 2916-2927	24-3	7
17	Water Dispersible Red Fluorescent Carbon Nanoparticles via Carbonization of Resorcinol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	5
16	Spectrophotometric study of the interaction of some hydroxyanthraquinones (HAQs) with magnesium(II) in a cationic micelle. <i>Talanta</i> , 1994 , 41, 1291-5	6.2	5
15	Cotton Modified with Silica Nanoparticles, N,F Codoped TiO ₂ Nanoparticles, and Octadecyltrimethoxysilane for Textiles with Self-Cleaning and Visible Light-Based Cleaning Properties. <i>ACS Applied Nano Materials</i> , 2021 , 4, 877-885	5.6	5
14	Folate and biotin based bifunctional quantum dots as fluorescent cell labels. <i>RSC Advances</i> , 2014 , 4, 10434-7	3.7	4
13	Inhibiting Protein Aggregation by Small Molecule-Based Colloidal Nanoparticles. <i>Accounts of Materials Research</i> , 2022 , 3, 54-66	7.5	4
12	Surface Chemistry- and Intracellular Trafficking-Dependent Autophagy Induction by Iron Oxide Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5974-5983	4.1	3
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6	Generalized synthesis of biomolecule-derived and functionalized fluorescent carbon nanoparticle. <i>Bulletin of Materials Science</i> , 2021 , 44, 1	1.7	1

5	Phosphate-Dependent Colloidal Stability Controls Nonendocytic Cell Delivery of Arginine-Terminated Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 9186-9196	3.4	1
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3	Enhanced Therapeutic Applications of Vitamin C via Nanotechnology-Based Pro-Oxidant Properties: A Review. <i>ACS Applied Nano Materials</i> ,	5.6	0
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