Arindam Saha

List of Publications by Year
in descending order

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36	2,965	257101	329751
papers	citations	24 h-index	37 g-index

42	42	42	5259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorescent Carbon Nanoparticles: Synthesis, Characterization, and Bioimaging Application. Journal of Physical Chemistry C, 2009, 113, 18546-18551.	1.5	1,036
2	Carbon Nanoparticle-based Fluorescent Bioimaging Probes. Scientific Reports, 2013, 3, 1473.	1.6	642
3	Detection of Cellular Glutathione and Oxidized Glutathione Using Magneticâ€“Plasmonic Nanocomposite-Based â€œTurn-Offâ€•Surface Enhanced Raman Scattering. Analytical Chemistry, 2013, 85, 9221-9228.	3.2	127
4	Advances in Coating Chemistry in Deriving Soluble Functional Nanoparticle. Journal of Physical Chemistry C, 2010, 114, 11009-11017.	1.5	89
5	Nanoparticle Multivalency Directed Shifting of Cellular Uptake Mechanism. Journal of Physical Chemistry C, 2016, 120, 6778-6786.	1.5	83
6	Functionalized Plasmonicâ^'Fluorescent Nanoparticles for Imaging and Detection. Journal of Physical Chemistry C, 2009, 113, 18492-18498.	1.5	77
7	Unraveling the Interaction of Silver Nanoparticles with Mammalian and Bacterial DNA. Journal of Physical Chemistry B, 2016, 120, 5313-5324.	1.2	75
8	Functionalized graphene and graphene oxide solution via polyacrylate coating. Nanoscale, 2010, 2, 2777.	2.8	71
9	Resin-Immobilized CuO and Cu Nanocomposites for Alcohol Oxidation. Organic Letters, 2008, 10, 5179-5181.	2.4	57
10	Surface-Engineered Multifunctional Eu:Gd₂O₃ Nanoplates for Targeted and pH-Responsive Drug Delivery and Imaging Applications. ACS Applied Materials & Interfaces, 2017, 9, 4126-4141.	4.0	57
11	Surface modified multifunctional ZnFe₂O₄nanoparticles for hydrophobic and hydrophilic anti-cancer drug molecule loading. Physical Chemistry Chemical Physics, 2016, 18, 1439-1450.	1.3	53
12	Reduced Graphene Oxide Based â€œTurn-Onâ€•Fluorescence Sensor for Highly Reproducible and Sensitive Detection of Small Organic Pollutants. ACS Sustainable Chemistry and Engineering, 2017, 5, 604-615.	3.2	50
13	Highly reproducible and sensitive surface-enhanced Raman scattering from colloidal plasmonic nanoparticle via stabilization of hot spots in graphene oxide liquid crystal. Nanoscale, 2012, 4, 6649.	2.8	47
14	Functionalized Gold Nanorod Solution via Reverse Micelle Based Polyacrylate Coating. Langmuir, 2010, 26, 7475-7481.	1.6	45
15	Paper-Based Microfluidic Approach for Surface-Enhanced Raman Spectroscopy and Highly Reproducible Detection of Proteins beyond Picomolar Concentration. ACS Applied Materials & Interfaces, 2015, 7, 996-1003.	4.0	44
16	Shape Transition of TiO₂ Nanocube to Nanospindle Embedded on Reduced Graphene Oxide with Enhanced Photocatalytic Activity. Crystal Growth and Design, 2016, 16, 6922-6932.	1.4	40
17	Polyacrylate-coated graphene-oxide and graphene solution via chemical route for various biological application. Diamond and Related Materials, 2011, 20, 449-453.	1.8	32
18	Silicon nanoparticle based fluorescent biological label via low temperature thermal degradation of chloroalkylsilane. Nanoscale, 2013, 5, 5732.	2.8	32

#	Article	IF	Citations
19	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. Langmuir, 2013, 29, 13917-13924.	1.6	32
20	Ligand Exchange Approach in Deriving Magneticâ˜'Fluorescent and Magneticâ˜'Plasmonic Hybrid Nanoparticle. Langmuir, 2010, 26, 4351-4356.	1.6	29
21	PEGylated Iron Oxide Nanoparticles for pH Responsive Drug Delivery Application. Materials Today: Proceedings, 2018, 5, 9715-9725.	0.9	29
22	Imidazole Based Biocompatible Polymer Coating in Deriving <25 nm Functional Nanoparticle Probe for Cellular Imaging and Detection. Journal of Physical Chemistry C, 2009, 113, 21484-21492.	1.5	27
23	Gold-Nanorod-Based Hybrid Cellular Probe with Multifunctional Properties. Journal of Physical Chemistry C, 2011, 115, 19612-19620.	1.5	26
24	Graphene oxide (GO)/reduced-GO and their composite with conducting polymer nanostructure thin films for non-volatile memory device. Microelectronic Engineering, 2015, 146, 48-52.	1.1	25
25	Folic Acid Functionalized Nanoprobes for Fluorescenceâ€ Darkâ€Fieldâ€ and Dualâ€Imagingâ€Based Selective Detection of Cancer Cells and Tissue. ChemPlusChem, 2013, 78, 259-267.	1.3	23
26	Interplay of electrostatics and lipid packing determines the binding of charged polymer coated nanoparticles to model membranes. Physical Chemistry Chemical Physics, 2015, 17, 24238-24247.	1.3	21
27	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
28	A multifunctional nanocomposite of magnetic Î³-Fe2O3 and mesoporous fluorescent ZnO. Journal of Alloys and Compounds, 2015, 653, 187-194.	2.8	15
29	Multiband Fluorescent Graphitic Carbon Nanoparticles from Queen of Oils. ACS Sustainable Chemistry and Engineering, 2018, 6, 10127-10139.	3.2	13
30	Electric and Ferro-Electric Behaviour of Polymer-Coated Graphene-Oxide Thin Film. Physics Procedia, 2013, 46, 62-70.	1.2	12
31	Water soluble blue-emitting AuAg alloy nanoparticles and fluorescent solid platforms for removal of dyes from water. RSC Advances, 2015, 5, 33946-33954.	1.7	12
32	Highly fluorescent magnetic quantum dot probe with superior colloidal stability. Nanoscale, 2010, 2, 2561.	2.8	8
33	Surface Functionalized Multifunctional Gd₂O₃â€"Fluorescein Composite Nanorods for Redox Responsive Drug Delivery and Imaging Applications. ACS Applied Nano Materials, 2018, 1, 2898-2911.	2.4	6
34	Surface Engineered PLGA Nanoparticle for Threshold Responsive Glucose Monitoring and â€œSelf-Programmedâ€•Insulin Delivery. ACS Biomaterials Science and Engineering, 2021, 7, 4645-4658.	2.6	3
35	On the Implementation of a Digital Watermarking Based on Phase Congruency. Advances in Intelligent Systems and Computing, 2015, , 113-120.	0.5	3
36	N-Doped Fluorescent Carbon Nanosheets as a Label-Free Platform for Sensing Bisphenol Derivatives. ACS Applied Nano Materials, 2022, 5, 4908-4920.	2.4	2