

# Susmita Maiti

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

165  
citations

1307594

7  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of luminescent biotinylated multivalent dendrimer encapsulated quantum dots and investigation on its physico-chemical interactions with biological receptor avidin. <i>Journal of Luminescence</i> , 2021, 234, 117940.	3.1	2
2	Limited-resource preparable chitosan magnetic particles for extracting amplification-ready nucleic acid from complex biofluids. <i>Analyst, The</i> , 2021, 147, 165-177.	3.5	10
3	Room temperature synthesis of NIR emitting Ag <sub>2</sub> S nanoparticles through aqueous route and its influence on structural modulation of DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117536.	3.9	8
4	Perceptible exciton-to-trion conversion and signature of defect mediated vibronic modes and spin relaxation in nanoscale WS <sub>2</sub> exposed to $\beta$ -rays. <i>Nanotechnology</i> , 2020, 31, 285706.	2.6	12
5	<i>In situ</i> dose dependent gamma ray irradiated synthesis of PMMA-Ag nanocomposite films for multifunctional applications. <i>New Journal of Chemistry</i> , 2018, 42, 15750-15761.	2.8	8
6	Exploiting the biomimetic and luminescence properties of multivalent dendrimer-semiconductor nanohybrid materials in the ultra-low level determination of folic acid. <i>Analyst, The</i> , 2017, 142, 2491-2499.	3.5	13
7	A comparative evaluation of the activity modulation of flavo and non-flavo enzymes induced by graphene oxide. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2601-2608.	5.8	4
8	$\beta$ radiation-induced damage of nucleic acid bases, calf thymus DNA and DNA within MCF-7 breast cancer cells by [Cu <sub>2</sub> (OAc) <sub>4</sub> (tnz) <sub>2</sub> ]: a potential radiosensitizer. <i>New Journal of Chemistry</i> , 2017, 41, 11679-11685.	2.8	4
9	Synthesis and spectral measurements of sulphonated graphene: some anomalous observations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6701-6705.	2.8	13
10	Determination of the energetics of formation of semiconductor/dendrimer nanohybrid materials: implications on the size and size distribution of nanocrystals. <i>RSC Advances</i> , 2014, 4, 13085.	3.6	5
11	Evolution of biofunctional semiconductor nanocrystals: a calorimetric investigation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20354.	2.8	6
12	Physico-Chemical Aspects of Quantum Dot-Vasodialator Interaction: Implications in Nanodiagnostics. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9774-9782.	3.1	15
13	Probing of ascorbic acid by CdS/dendrimer nanocomposites: a spectroscopic investigation. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1573-1582.	3.7	31
14	Single step synthesis of highly stable good quality water soluble semiconductor/dendrimer nanocomposites through irradiation route. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 355, 130-138.	4.7	15
15	Conformation and activity dependent interaction of glucose oxidase with CdTe quantum dots: towards developing a nanoparticle based enzymatic assay. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 362-370.	2.9	19