

# Dibakar Sahoo

## List of Publications by Year in descending order

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27  
papers

630  
citations

567281

15  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quest for Mode of Binding of 2-(4-(Dimethylamino)styryl)-1-methylpyridinium Iodide with Calf Thymus DNA. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2044-2050.	2.6	137
2	Nanosensing of Pesticides by Zinc Oxide Quantum Dot: An Optical and Electrochemical Approach for the Detection of Pesticides in Water. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 414-423.	5.2	99
3	Fluorescence turn-on and turn-off sensing of pesticides by carbon dot-based sensor. <i>New Journal of Chemistry</i> , 2019, 43, 12137-12151.	2.8	53
4	Effect of Conjugated Backbone Protection on Intrinsic and Light-Induced Fluorescence Quenching in Polythiophenes. <i>Chemistry of Materials</i> , 2014, 26, 4867-4875.	6.7	42
5	Metal oxide QD based ultrasensitive microsphere fluorescent sensor for copper, chromium and iron ions in water. <i>RSC Advances</i> , 2020, 10, 9512-9524.	3.6	28
6	Gold nanoparticle induced conformational changes in heme protein. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6755-6760.	1.9	25
7	Photo-induced fluorescence quenching in conjugated polymers dispersed in solid matrices at low concentration. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6601-6608.	5.5	24
8	Spectral Signature of 2-[4-(Dimethylamino)styryl]-1-methylquinolinium Iodide: A Case of Negative Solvatochromism in Water. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10983-10989.	2.6	21
9	Reverse Micelle Induced Flipping of Binding Site and Efficiency of Albumin Protein with an Ionic Styryl Dye. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10442-10450.	2.6	20
10	Quantitative measurement of fluorescence brightness of single molecules. <i>Methods and Applications in Fluorescence</i> , 2014, 2, 035003.	2.3	20
11	Revisit of 4,4'-Diaminodiphenyl Sulfone Photophysics in Different Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 2505-2514.	3.7	19
12	Orientalional dynamics of a charge transfer complex in cyclodextrin cavity as receptor. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5890.	2.8	16
13	Spectra and dynamics of an ionic styryl dye in reverse micelles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 205, 129-138.	3.9	16
14	Understanding the photophysics of 4-nitro-1-hydroxy-2-naphthoic acid: A controlled excited state proton transfer. <i>Chemical Physics</i> , 2008, 352, 175-184.	1.9	15
15	On the Spectral Behavior of an Ionic Styryl Dye: Effect of Micelle <sup>~</sup> Polyethylene-block-polyethylene Glycol Diblock Copolymer Assembly. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13560-13565.	2.6	15
16	Photophysics and Structure of Inclusion Complex of 4,4'-Diaminodiphenyl Sulfone with Cyclodextrin Nanocavities. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 7815-7823.	3.7	15
17	Dye <sup>~</sup> Surfactant Interaction: Modulation of Photophysics of an Ionic Styryl Dye. <i>Photochemistry and Photobiology</i> , 2009, 85, 1103-1109.	2.5	12
18	Effect of the reverse micelle and oil content in reverse micelle on nonlinear optical properties of Rhodamine B. <i>Journal of Molecular Structure</i> , 2019, 1191, 237-243.	3.6	10

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19	Probing the reverse micelle environment with a cationic dye by varying oil and water content of micelles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 165-170.	3.9	10
20	Sensing of Different Human Telomeric G-Quadruplex DNA Topologies by Natural Alkaloid Allocryptopine Using Spectroscopic Techniques. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10279-10290.	2.6	9
21	Manipulating Energy Transfer in Copolymer-Based Nanocomposites by Their Controlled Nanocaging and Release of an Ionic Styryl Dye: A Case of an Ultrasensitive pH Sensor. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2464-2471.	2.6	7
22	Photophysical properties of 4,4-diaminodiphenyl sulfone in micelles and the role of BF <sub>4</sub> <sup>-</sup> anion on micellar aggregation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 250, 25-32.	3.9	5
23	Theoretical study of excited state proton transfer in pyrrole-2-carboxylic acid. <i>Molecular Physics</i> , 2008, 106, 1441-1449.	1.7	4
24	Quest for the quenching and binding mode of functionalized ZnO QDs with calf thymus DNA: Biophysical and in silico molecular modelling approach. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 422, 113562.	3.9	4
25	Influence of surfactants on the excited state photophysics of 4-nitro-1-hydroxy-2-naphthoic acid. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1094-1100.	2.9	3
26	Investigation on the Linear and Nonlinear Properties of Morin in Presence of Reverse Micelle and Different Oil Content in Reverse Micelle. <i>Journal of Fluorescence</i> , 2021, 31, 373-383.	2.5	1
27	Zinc oxide nanostructures as effective pesticide controllers: Sensing and degradation of pesticides. , 2021, , 181-201.		0