

Goutam Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

462
citations

623699

14
h-index

713444

21
g-index

21
all docs

21
docs citations

21
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly fluorescent turn-on probe in the near-infrared region for albumin quantification in serum matrix. <i>Chemical Communications</i> , 2018, 54, 8383-8386.	4.1	77
2	Supramolecularly Assisted Modulation of Optical Properties of BODIPY-Benzimidazole Conjugates. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11266-11278.	2.6	33
3	Supramolecular host-guest interaction of antibiotic drug ciprofloxacin with cucurbit[7]uril macrocycle: Modulations in photophysical properties and enhanced photostability. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 26-37.	3.9	32
4	A styryl based fluorogenic probe with high affinity for a cyclodextrin derivative. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6895-6904.	2.8	30
5	Non-covalent interaction of BODIPY-benzimidazole conjugate with bovine serum albumin: A photophysical and molecular docking study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 220-227.	3.9	30
6	Red-fluorescent graphene quantum dots from guava leaf as a turn-off probe for sensing aqueous Hg(II). <i>New Journal of Chemistry</i> , 2021, 45, 4617-4625.	2.8	29
7	Modulation of optical properties of BODIPY fluorophore via intramolecular charge transfer. <i>Journal of Luminescence</i> , 2018, 194, 622-630.	3.1	24
8	An exceptionally intense turn-on fluorescence sensor in the far-red region for common milk allergen, β -lactoglobulin. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128864.	7.8	23
9	pH-Responsive Interaction of Fluorogenic Antimalarial Drug Quinine with Macrocyclic Host Cucurbit[7]uril: Modulations in Photophysical and Acid-Base Properties. <i>ChemistrySelect</i> , 2017, 2, 5128-5142.	1.5	21
10	Novel approach towards the synthesis of highly efficient flame retardant electrode and oil/organic solvent absorber. <i>Chemosphere</i> , 2020, 246, 125785.	8.2	21
11	Stimuli Responsive Confinement of a Molecular Rotor Based BODIPY Dye inside a Cucurbit[7]uril Nanocavity. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7946-7957.	2.6	21
12	A BODIPY-glycoside based near-infrared fluorescent sensor for serum albumin. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7920-7929.	2.8	19
13	Proton Induced Modulation of ICT and PET Processes in an Imidazo-phenanthroline Based BODIPY Fluorophores. <i>Journal of Fluorescence</i> , 2017, 27, 2313-2322.	2.5	15
14	Complexation-induced tuning of optical properties of a medically important alkaloid, berberine in the presence of charged cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 419, 113454.	3.9	15
15	Host-Assisted Aggregation-Induced Emission of a Tetraphenylethylene Derivative and Its Responses toward External Stimuli. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11122-11133.	2.6	15
16	A cationic cyclodextrin assisted aggregation of an anionic pyrene derivative and its stimuli responsive behavior. <i>Journal of Molecular Liquids</i> , 2021, 321, 114499.	4.9	12
17	Does the degree of substitution on the cyclodextrin hosts impact their affinity towards guest binding?. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 956-965.	2.9	11
18	Supramolecular modulation in photophysical features of berberine and its application towards ATP sensing. <i>Journal of Molecular Liquids</i> , 2022, 359, 119316.	4.9	11

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19	Interaction of a Triaryl Methane Dye with Cucurbit[7]uril and Bovine Serum Albumin: A Perspective of Cooperative versus Competitive Bindings. ChemistrySelect, 2018, 3, 1088-1096.	1.5	8
20	Modulation of the Photophysical Properties of $\hat{1}^2$ -substituted BODIPY Dyes. Journal of Fluorescence, 2018, 28, 381-392.	2.5	8
21	Carbon nano-dot for cancer studies as dual nano-sensor for imaging intracellular temperature or pH variation. Scientific Reports, 2021, 11, 24341.	3.3	7