

Brotati N Chakraborty

List of Publications by Year in descending order

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17
papers

326
citations

933447

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888059

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17
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of BSA with proflavin: A spectroscopic approach. <i>Journal of Luminescence</i> , 2009, 129, 34-39.	3.1	109
2	Magnetic Field Effect Corroborated with Docking Study to Explore Photoinduced Electron Transfer in Drug-Protein Interaction. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13313-13325.	2.5	52
3	Preferential photochemical interaction of Ru (III) doped carbon nano dots with bovine serum albumin over human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 483-494.	7.5	20
4	Study of interaction of proflavin with triethylamine in homogeneous and micellar media: Photoinduced electron transfer probed by magnetic field effect. <i>Chemical Physics Letters</i> , 2009, 477, 382-387.	2.6	19
5	Acridone in a biological nanocavity: detailed spectroscopic and docking analyses of probing both the tryptophan residues of bovine serum albumin. <i>New Journal of Chemistry</i> , 2017, 41, 12520-12534.	2.8	19
6	Interaction of proflavin with aromatic amines in homogeneous and micellar media: Photoinduced electron transfer probed by magnetic field effect. <i>Chemical Physics Letters</i> , 2010, 487, 51-57.	2.6	15
7	Deciphering the host-guest chemistry of Acridine Yellow and Cucurbit[7]uril: An integrated spectroscopic and calorimetric study. <i>Chemical Physics Letters</i> , 2011, 507, 74-79.	2.6	15
8	Excimer of 9-Aminoacridine Hydrochloride Hydrate in Confined Medium: An Integrated Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1428-1438.	2.5	15
9	Spectroscopic exploration of drug-protein interaction: a study highlighting the dependence of the magnetic field effect on inter-radical separation distance formed during photoinduced electron transfer. <i>RSC Advances</i> , 2015, 5, 81533-81545.	3.6	15
10	Magnetic field effect on electron transfer reactions of acridine yellow with amines of varied structures in homogeneous medium. <i>Chemical Physics Letters</i> , 2010, 493, 76-82.	2.6	12
11	Probing the Hydrogen Bond Involving Acridone Trapped in a Hydrophobic Biological Nanocavity: Integrated Spectroscopic and Docking Analyses. <i>Langmuir</i> , 2020, 36, 1241-1251.	3.5	10
12	Magnetic Field Effect on Photoinduced Electron Transfer Reaction Associated with Hydrogen Bond Formation in Homogeneous Medium. <i>Applied Magnetic Resonance</i> , 2012, 42, 5-15.	1.2	8
13	A spectroscopic investigation of the photophysical behaviour of 9-aminoacridine hydrochloride hydrate in presence of organic amines in homogeneous and heterogeneous media. <i>Journal of Luminescence</i> , 2014, 149, 221-230.	3.1	6
14	Exploring photoinduced electron transfer and excited-state proton transfer reactions involving 9-aminoacridine hydrochloride hydrate and methyl viologen using laser flash photolysis. <i>Chemical Physics Letters</i> , 2014, 610-611, 108-114.	2.6	4
15	Interaction of proflavin with tryptophan in reverse micellar microenvironment of AOT: Photoinduced electron transfer probed by magnetic field effect. <i>Journal of Luminescence</i> , 2020, 220, 116953.	3.1	3
16	A systematic computational study of acridine derivatives through conceptual density functional theory. <i>Molecular Diversity</i> , 2023, 27, 1271-1283.	3.9	3
17	Revisiting magnetic field effects in homogeneous medium and bio-mimicking environments with emphasis on acridine derivatives. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100057.	2.8	1