Abhishek Sau

List of Publications by Year
in descending order

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17	179	1163117 8	1125743 13
papers	citations	h-index	g-index

17	17	17	224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metamorphosis of Ruthenium-Doped Carbon Dots: In Search of the Origin of Photoluminescence and Beyond. Chemistry of Materials, 2016, 28, 7404-7413.	6.7	40
2	Preferential photochemical interaction of Ru (III) doped carbon nano dots with bovine serum albumin over human serum albumin. International Journal of Biological Macromolecules, 2019, 137, 483-494.	7.5	20
3	Redox Modifications of Carbon Dots Shape Their Optoelectronics. Journal of Physical Chemistry C, 2019, 123, 27937-27944.	3.1	19
4	DNA Damage and Apoptosis Induction in Cancer Cells by Chemically Engineered Thiolated Riboflavin Gold Nanoassembly. ACS Applied Materials & Interfaces, 2018, 10, 4582-4589.	8.0	16
5	Calmodulin regulates MGRN1â€GP78 interaction mediated ubiquitin proteasomal degradation system. FASEB Journal, 2019, 33, 1927-1945.	0.5	12
6	Design and Synthesis of Fluorescent Carbon-Dot Polymer and Deciphering Its Electronic Structure. Journal of Physical Chemistry C, 2018, 122, 23799-23807.	3.1	11
7	A case study of photo induced electron transfer between riboflavin and aliphatic amine: Deciphering different mechanisms of ET operating from femtosecond to microsecond time domain. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 296, 25-34.	3.9	10
8	Metal nanoparticle alters adenine induced charge transfer kinetics of vitamin K3 in magnetic field. Scientific Reports, 2020, 10, 18454.	3.3	9
9	Influence of microheterogeneity on the solution phase photophysics of a newly synthesised, environment sensitive fluorophore 2-((7,8-dimethyl-1-oxo-2,3,4,9-tetrahydro-1H-carbazol-6-yl)oxy)acetic acid and its tagged derivative. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 296, 66-79.	3.9	8
10	Distance-Dependent Electron Transfer in Chemically Engineered Carbon Dots. Journal of Physical Chemistry C, 2016, 120, 26630-26636.	3.1	8
11	Solution phase photophysics of 5,7-dimethoxy-2,3,4,9-tetrahydro-1H-carbazol-1-one: Analysing the lineaments of a new fluorosensor to probe different micro-environments. Journal of Luminescence, 2015, 167, 233-248.	3.1	7
12	Constrained Photophysics of 5,7-dimethoxy-2,3,4,9-tetrahydro-1H-carbazol-1-one in the Bioenvironment of Serum Albumins: A Spectroscopic Endeavour Supported by Molecular Docking Analysis. Journal of Fluorescence, 2017, 27, 1547-1558.	2.5	6
13	Monitoring the Competence of a New Keto-tetrahydrocarbazole Based Fluorosensor Under Homogeneous, Micro-Heterogeneous and Serum Albumin Environments. Journal of Fluorescence, 2015, 25, 1931-1949.	2.5	4
14	Development of a Tripletâ€“Triplet Absorption Ruler: DNA- and Chromatin-Mediated Drug Molecule Release from a Nanosurface. Journal of Physical Chemistry B, 2016, 120, 6872-6881.	2.6	4
15	Interaction of proflavin with tryptophan in reverse micellar microenvironment of AOT: Photoinduced electron transfer probed by magnetic field effect. Journal of Luminescence, 2020, 220, 116953.	3.1	3
16	Micellar control over tautomerization and photo-induced electron transfer of Lumichrome in the presence of aliphatic and aromatic amines: a transient absorption study. Methods and Applications in Fluorescence, 2017, 5, 014008.	2.3	1
17	Low Magnetic Field Induced Surface Enhanced Transient Spin-Trajectory Modulation of a Prototype Anticancer Drug Sanguinarine on a Single Domain Superparamagnetic Nanosurface. Journal of Physical Chemistry C, 2018, 122, 20619-20631.	3.1	1