Saptarshi Ghosh

List of Publications by Year
in descending order

24	509	567281 15	677142 22
papers	citations	h-index	g-index

25	25	25	588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dielectricity of a molecularly crowded solution accelerates NTP misincorporation during RNA-dependent RNA polymerization by T7 RNA polymerase. Scientific Reports, 2022, 12, 1149.	3.3	4
2	Improved nearest-neighbor parameters for the stability of RNA/DNA hybrids under a physiological condition. Nucleic Acids Research, 2020, 48, 12042-12054.	14.5	30
3	Molecular crowding induces primer extension by RNA polymerase through base stacking beyond Watsonâ€“Crick rules. RSC Advances, 2020, 10, 33052-33058.	3.6	12
4	Nearest-neighbor parameters for predicting DNA duplex stability in diverse molecular crowding conditions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14194-14201.	7.1	37
5	Preferential targeting cancer-related i-motif DNAs by the plant flavonol fisetin for theranostics applications. Scientific Reports, 2020, 10, 2504.	3.3	25
6	Validation of the nearest-neighbor model for Watsonâ€“Crick self-complementary DNA duplexes in molecular crowding condition. Nucleic Acids Research, 2019, 47, 3284-3294.	14.5	30
7	Photophysics of a coumarin based Schiff base in solvents of varying polarities. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 252-257.	3.9	20
8	A promising strategy for improved solubilization of ionic drugs simply by electrostatic pushing. RSC Advances, 2017, 7, 43551-43559.	3.6	7
9	Exploration of photophysics of 2,2â€™-pyridil at room temperature and 77 K: a combined spectroscopic and quantum chemical approach. Photochemical and Photobiological Sciences, 2017, 16, 159-169.	2.9	5
10	Impact of Structural Modification on the Photophysical Response of Benzoquinoline Fluorophores. Journal of Fluorescence, 2016, 26, 845-854.	2.5	5
11	Fabrication of mixed phase TiO₂ heterojunction nanorods and their enhanced photoactivities. Physical Chemistry Chemical Physics, 2016, 18, 15260-15268.	2.8	39
12	Relocation of a biological photosensitizer from non-ionic micellar carrier to DNA: A multispectroscopic investigation. Biophysical Chemistry, 2016, 219, 75-81.	2.8	4
13	DNA induced sequestration of a bioactive cationic fluorophore from the lipid environment: A spectroscopic investigation. Journal of Photochemistry and Photobiology B: Biology, 2016, 154, 118-125.	3.8	20
14	Cyclodextrin induced controlled delivery of a biological photosensitizer from a nanocarrier to DNA. Physical Chemistry Chemical Physics, 2016, 18, 3685-3693.	2.8	17
15	Unprecedented high fluorescence anisotropy in protic solvents: Hydrogen bond induced solvent caging?. Chemical Physics Letters, 2016, 644, 284-287.	2.6	16
16	Endogenous Activation-Induced Delivery of a Bioactive Photosensitizer from a Micellar Carrier to Natural DNA. Journal of Physical Chemistry B, 2016, 120, 11492-11501.	2.6	14
17	Modification of the photophysics of 3-hydroxyflavone in aqueous solutions of imidazolium-based room temperature ionic liquids: a comparison between micelle-forming and non micelle-forming ionic liquids. RSC Advances, 2015, 5, 49054-49061.	3.6	11
18	Binding interaction of differently charged fluorescent probes with egg yolk phosphatidylcholine and the effect of Î²-cyclodextrin on the lipidâ€“probe complexes: A fluorometric investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 15-24.	3.9	8

#	Article	IF	Citations
19	Exploration of the binding interaction of a potential nervous system stimulant with calf-thymus DNA and dissociation of the drugâ€“DNA complex by detergent sequestration. Physical Chemistry Chemical Physics, 2015, 17, 17699-17709.	2.8	40
20	Stepwise Unfolding of Bovine and Human Serum Albumin by an Anionic Surfactant: An Investigation Using the Proton Transfer Probe Norharmane. Journal of Physical Chemistry B, 2015, 119, 2090-2102.	2.6	30
21	Binding of an anionic fluorescent probe with calf thymus DNA and effect of salt on the probeâ€“DNA binding: a spectroscopic and molecular docking investigation. RSC Advances, 2014, 4, 63549-63558.	3.6	47
22	Interaction of Î²-cyclodextrin with nile red in a single live CHO cell: an initiative towards developing a prospective strategy for the excretion of adsorbed drugs from the cell membrane. Analyst, The, 2014, 139, 5664-5668.	3.5	15
23	Interaction of cyclodextrins with human and bovine serum albumins: A combined spectroscopic and computational investigation. Journal of Chemical Sciences, 2014, 126, 931-944.	1.5	35
24	Competitive binding of nile red between lipids and Î²-cyclodextrin. Journal of Photochemistry and Photobiology B: Biology, 2013, 126, 1-10.	3.8	34