

Saptarshi Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

509
citations

567281

15
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

588
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Binding of an anionic fluorescent probe with calf thymus DNA and effect of salt on the probe's DNA binding: a spectroscopic and molecular docking investigation. <i>RSC Advances</i> , 2014, 4, 63549-63558. | 3.6 | 47 |
| 2 | Exploration of the binding interaction of a potential nervous system stimulant with calf-thymus DNA and dissociation of the drug's DNA complex by detergent sequestration. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17699-17709. | 2.8 | 40 |
| 3 | Fabrication of mixed phase TiO ₂ heterojunction nanorods and their enhanced photoactivities. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15260-15268. | 2.8 | 39 |
| 4 | Nearest-neighbor parameters for predicting DNA duplex stability in diverse molecular crowding conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14194-14201. | 7.1 | 37 |
| 5 | Interaction of cyclodextrins with human and bovine serum albumins: A combined spectroscopic and computational investigation. <i>Journal of Chemical Sciences</i> , 2014, 126, 931-944. | 1.5 | 35 |
| 6 | Competitive binding of nile red between lipids and β -cyclodextrin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 126, 1-10. | 3.8 | 34 |
| 7 | Stepwise Unfolding of Bovine and Human Serum Albumin by an Anionic Surfactant: An Investigation Using the Proton Transfer Probe Norharmane. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2090-2102. | 2.6 | 30 |
| 8 | Validation of the nearest-neighbor model for Watson-Crick self-complementary DNA duplexes in molecular crowding condition. <i>Nucleic Acids Research</i> , 2019, 47, 3284-3294. | 14.5 | 30 |
| 9 | Improved nearest-neighbor parameters for the stability of RNA/DNA hybrids under a physiological condition. <i>Nucleic Acids Research</i> , 2020, 48, 12042-12054. | 14.5 | 30 |
| 10 | Preferential targeting cancer-related i-motif DNAs by the plant flavonol fisetin for theranostics applications. <i>Scientific Reports</i> , 2020, 10, 2504. | 3.3 | 25 |
| 11 | DNA induced sequestration of a bioactive cationic fluorophore from the lipid environment: A spectroscopic investigation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 154, 118-125. | 3.8 | 20 |
| 12 | Photophysics of a coumarin based Schiff base in solvents of varying polarities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 252-257. | 3.9 | 20 |
| 13 | Cyclodextrin induced controlled delivery of a biological photosensitizer from a nanocarrier to DNA. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3685-3693. | 2.8 | 17 |
| 14 | Unprecedented high fluorescence anisotropy in protic solvents: Hydrogen bond induced solvent caging?. <i>Chemical Physics Letters</i> , 2016, 644, 284-287. | 2.6 | 16 |
| 15 | Interaction of β -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. <i>Analyst</i> , 2014, 139, 5664-5668. | 3.5 | 15 |
| 16 | Endogenous Activation-Induced Delivery of a Bioactive Photosensitizer from a Micellar Carrier to Natural DNA. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11492-11501. | 2.6 | 14 |
| 17 | Molecular crowding induces primer extension by RNA polymerase through base stacking beyond Watson-Crick rules. <i>RSC Advances</i> , 2020, 10, 33052-33058. | 3.6 | 12 |
| 18 | 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. <i>RSC Advances</i> , 2015, 5, 49054-49061. | 3.6 | 11 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Binding interaction of differently charged fluorescent probes with egg yolk phosphatidylcholine and the effect of β -cyclodextrin on the lipid-probe complexes: A fluorometric investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 15-24. | 3.9 | 8 |
| 20 | A promising strategy for improved solubilization of ionic drugs simply by electrostatic pushing. <i>RSC Advances</i> , 2017, 7, 43551-43559. | 3.6 | 7 |
| 21 | Impact of Structural Modification on the Photophysical Response of Benzoquinoline Fluorophores. <i>Journal of Fluorescence</i> , 2016, 26, 845-854. | 2.5 | 5 |
| 22 | Exploration of photophysics of 2,2'-bipyridil at room temperature and 77 K: a combined spectroscopic and quantum chemical approach. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 159-169. | 2.9 | 5 |
| 23 | Relocation of a biological photosensitizer from non-ionic micellar carrier to DNA: A multispectroscopic investigation. <i>Biophysical Chemistry</i> , 2016, 219, 75-81. | 2.8 | 4 |
| 24 | Dielectricity of a molecularly crowded solution accelerates NTP misincorporation during RNA-dependent RNA polymerization by T7 RNA polymerase. <i>Scientific Reports</i> , 2022, 12, 1149. | 3.3 | 4 |