

# Sujit Kumar Ghosh

## List of Publications by Year in descending order

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37  
papers

564  
citations

623734

14  
h-index

677142

22  
g-index

37  
all docs

37  
docs citations

37  
times ranked

691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing Single-Molecule Interfacial Electron Transfer Dynamics of Porphyrin on TiO <sub>2</sub> Nanoparticles. <i>Journal of the American Chemical Society</i> , 2009, 131, 1479-1487.	13.7	81
2	Antihypertensive activity of a quinoline appended chalcone derivative and its site specific binding interaction with a relevant target carrier protein. <i>RSC Advances</i> , 2015, 5, 65496-65513.	3.6	69
3	Characterization of Binary Surfactant Mixtures (Cetylpyridinium Chloride and Tween 60) in an Aqueous Medium. <i>Journal of Dispersion Science and Technology</i> , 2005, 25, 741-748.	2.4	34
4	Physicochemical characteristics of reverse micelles of polyoxyethylene nonyl phenol in different organic solvents. <i>Journal of Colloid and Interface Science</i> , 2004, 279, 523-532.	9.4	30
5	Design, Synthesis, Physicochemical Studies, Solvation, and DNA Damage of Quinoline-Appended Chalcone Derivative: Comprehensive Spectroscopic Approach toward Drug Discovery. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7257-7266.	2.6	30
6	2-(2-Selenocyanic acid ethyl ester)-1H-benz[de] isoquinoline-1,3-(2H)-dione, synthesis photophysics and interaction with bovine serum albumin: A spectroscopic approach. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 81, 121-128.	3.8	28
7	Is the Sudlow site I of human serum albumin more generous to adopt prospective anti-cancer bioorganic compound than that of bovine: A combined spectroscopic and docking simulation approach. <i>Bioorganic Chemistry</i> , 2017, 75, 332-346.	4.1	21
8	Conformation controlled turn on/off phosphorescence in a metal-free biluminophore: thriving the paradox that exists for organic compounds. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27910-27920.	2.8	20
9	Characterization of micelles of polyoxyethylene nonylphenol (Igepal) and its complexation with 3,7-diamino-2,8-dimethyl-5-phenylphenazinium chloride. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 623-631.	9.4	19
10	Interaction of 3,7-diamino-2,8-dimethyl-5-phenyl phenazinium chloride with model biological membranes and reverse micelles of lipid: a spectroscopic study. <i>Chemistry and Physics of Lipids</i> , 2004, 131, 151-158.	3.2	17
11	Groove binding mediated structural modulation and DNA cleavage by quinoline appended chalcone derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 605-615.	3.9	16
12	Aggregation/disaggregation pattern of photodynamically active ZnPcS <sub>4</sub> and its interaction with DNA alkylating quinone: effect of micellar compactness and central metal ion. <i>RSC Advances</i> , 2016, 6, 77161-77173.	3.6	16
13	Design, Synthesis, and Proticity Inclined Conformational Modulation in a Highly Fluorescent Bichromophoric Naphthalimide Derivative: Hint Directed from RICT Perspective. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1000-1011.	2.5	16
14	Exploration of the ESIPT process in a newly designed potential bioactive thiosemicarbazone Schiff base: Spectroscopic analysis accompanied by molecular optimization and crystallographic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 371, 81-90.	3.9	15
15	Surfactant induced aggregation/disaggregation of photodynamic active chlorin e6 and its relevant interaction with DNA alkylating quinone in a biomimic micellar microenvironment. <i>RSC Advances</i> , 2015, 5, 81449-81460.	3.6	14
16	ESIPT reaction of potential bioactive heterocyclic Schiff base: Atomic visualization coupled with in vitro spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 326, 41-49.	3.9	12
17	Synthesis and Characterization of Acid-Responsive Luminescent Fe(II) Metallopolymers of Rigid and Flexible Backbone N-Donor Multidentate Conjugated Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 1746-1757.	4.0	12
18	Development of multifunctional heterocyclic Schiff base as a potential metal chelator: a comprehensive spectroscopic approach towards drug discovery. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 47-59.	2.6	10

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19	Partitioning of quencher ions in the micellar microenvironment of polyoxyethylene nonyl phenol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 395-401.	3.9	9
20	Quenching of fluorescence of 3,7-diamino-2,8-dimethyl-5-phenyl phenazinium chloride by halides and pseudohalides in mixed micellar media. <i>Journal of Molecular Liquids</i> , 2006, 124, 45-50.	4.9	9
21	Stabilization of a potential anticancer thiosemicarbazone derivative in Sudlow site I of human serum albumin: In vitro spectroscopy coupled with molecular dynamics simulation. <i>Biophysical Chemistry</i> , 2021, 269, 106509.	2.8	9
22	Switching of Trp-214 intrinsic rotamer population in human serum albumin: An insight into the aftermath of embracing therapeutic bioorganic luminophore azapodophyllotoxin into sudlow site I. <i>Bioorganic Chemistry</i> , 2019, 84, 63-75.	4.1	8
23	Interaction of aluminum phthalocyanine with aziridinyl quinone in biomimicking micellar microenvironment for the application in photodynamic therapy: Effect of micellar hydration. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 316, 62-68.	3.9	7
24	A Chalcone-Based Potential Therapeutic Small Molecule That Binds to Subdomain IIA in HSA Precisely Controls the Rotamerization of Trp-214. <i>ACS Omega</i> , 2018, 3, 10114-10128.	3.5	7
25	Biomimetic systems trigger a benzothiazole based molecular switch to "turn on" fluorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 197-205.	3.9	7
26	Effect of Solvent on the Spectroscopic Behaviour of the Dye Safranin T. <i>Journal of Oleo Science</i> , 2003, 52, 387-391.	1.4	6
27	Distribution of quencher ions in ternary system of Igepal/water/carbon tetrachloride at different water pool concentration: A spectroscopic study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 268, 118-123.	4.7	6
28	Unusual photophysics of anticancer azapodophyllotoxin: The collective effect of discrete H-bond motif spills the beans. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 49-62.	3.9	6
29	Syntheses, characterization, multi-acid fluorescence sensing and electroluminescence properties of Cr(III)-based metallopolymers. <i>Polymer Chemistry</i> , 2020, 11, 6579-6590.	3.9	6
30	Spectroscopic studies on the interaction of safranin T with micellar and reverse micellar solutions of Igepal in chloroform. <i>Journal of Molecular Liquids</i> , 2003, 106, 97-109.	4.9	5
31	Unveiling the Potential of Unfused Bichromophoric Naphthalimide To Induce Cytotoxicity by Binding to Tubulin: Breaks Monotony of Naphthalimides as Conventional Intercalators. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3680-3695.	2.6	5
32	A novel quinoline-appended chalcone derivative as potential Plasmodium falciparum gametocytocide. <i>Journal of Vector Borne Diseases</i> , 2019, 56, 189.	0.4	5
33	Role of Nonionic Micelles of Tweens in Photovoltage Generation Using Fluorescein Dye. <i>Journal of Oleo Science</i> , 2004, 53, 73-77.	1.4	4
34	The consequences of adopting therapeutic luminophore azapodophyllotoxin into BSA: a molecular regulator to control emissive population of two tryptophan residues in carrier protein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2338-2351.	3.5	2
35	Entrapment in micellar assemblies switches the excimer population of potential therapeutic luminophore azapodophyllotoxin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117723.	3.9	2
36	Cryptic solvation dynamics of potential antineoplastic Azapodophyllotoxin: Short and long range charge transfer and distinct H-bonding motifs demystify its swinging emissive behaviour. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 422, 113556.	3.9	1

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37	Triplet state interaction of Safranin T with inorganic cations in different solvents. Journal of Molecular Structure, 2005, 737, 43-48.	3.6	0