

Chiranjib Ghatak

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,424
citations

279487

23
h-index

329751

37
g-index

41
all docs

41
docs citations

41
times ranked

1628
citing authors

#	ARTICLE	IF	CITATIONS
1	GsMTx4: Mechanism of Inhibiting Mechanosensitive Ion Channels. <i>Biophysical Journal</i> , 2017, 112, 31-45.	0.2	152
2	Spontaneous Transition of Micelleâ€“Vesicleâ€“Micelle in a Mixture of Cationic Surfactant and Anionic Surfactant-like Ionic Liquid: A Pure Nonlipid Small Unilamellar Vesicular Template Used for Solvent and Rotational Relaxation Study. <i>Langmuir</i> , 2013, 29, 10066-10076.	1.6	90
3	An Understanding of the Modulation of Photophysical Properties of Curcumin inside a Micelle Formed by an Ionic Liquid: A New Possibility of Tunable Drug Delivery System. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3369-3379.	1.2	85
4	Designing a New Strategy for the Formation of IL-in-Oil Microemulsions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2850-2855.	1.2	71
5	Experimental Estimation of Membrane Tension Induced by Osmotic Pressure. <i>Biophysical Journal</i> , 2016, 111, 2190-2201.	0.2	67
6	Probing the Interaction of 1-Ethyl-3-methylimidazolium Ethyl Sulfate ([Emim][EtSO ₄]) with Alcohols and Water by Solvent and Rotational Relaxation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2779-2789.	1.2	65
7	Microemulsions with Surfactant TX100, Cyclohexane, and an Ionic Liquid Investigated by Conductance, DLS, FTIR Measurements, and Study of Solvent and Rotational Relaxation within this Microemulsion. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7579-7586.	1.2	60
8	Ionic Liquid Containing Microemulsions: Probe by Conductance, Dynamic Light Scattering, Diffusion-Ordered Spectroscopy NMR Measurements, and Study of Solvent Relaxation Dynamics. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2322-2330.	1.2	57
9	Pluronic Micellar Aggregates Loaded with Gold Nanoparticles (Au NPs) and Fluorescent Dyes: A Study of Controlled Nanometal Surface Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5585-5597.	1.5	56
10	Curcumin in Reverse Micelle: An Example to Control Excited-State Intramolecular Proton Transfer (ESIPT) in Confined Media. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6906-6916.	1.2	48
11	Photophysics and Photodynamics of 1â€“Hydroxy-2â€“acetonaphthone (HAN) in Micelles and Nonionic Surfactants Forming Vesicles: A Comparative Study of Different Microenvironments of Surfactant Assemblies. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12108-12119.	1.2	44
12	Ionic Liquid-Induced Changes in Properties of Aqueous Cetyltrimethylammonium Bromide: A Comparative Study of Two Protic Ionic Liquids with Different Anions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3828-3837.	1.2	38
13	Room Temperature Ionic Liquid in Confined Media: A Temperature Dependence Solvation Study in [bmim][BF ₄]/BHDC/Benzene Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5971-5979.	1.2	36
14	Effects of 1-Butyl-3-methyl Imidazolium Tetrafluoroborate Ionic Liquid on Triton X-100 Aqueous Micelles: Solvent and Rotational Relaxation Studies. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6957-6963.	1.2	34
15	The effect of membrane fluidity on FRET parameters: an energy transfer study inside small unilamellar vesicle. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3711-3720.	1.3	34
16	Solvation Dynamics and Rotational Relaxation Study Inside Niosome, A Nonionic Innocuous Poly(ethylene Glycol)-Based Surfactant Assembly: An Excitation Wavelength Dependent Experiment. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12514-12520.	1.2	32
17	To Probe the Interaction of Methanol and Acetonitrile with the Ionic Liquid N,N,N-Trimethyl-N-propyl Ammonium Bis(trifluoromethanesulfonyl) Imide at Different Temperatures by Solvation Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8626-8634.	1.2	31
18	Photophysical Studies of a Hemicyanine Dye (LDS-698) in Dioxaneâ€“Water Mixture, in Different Alcohols, and in a Room Temperature Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6826-6833.	1.2	31

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19	Synthesis of Silver Nanoparticle Inside the Nonaqueous Ethylene Glycol Reverse Micelle and a Comparative Study to Show the Effect of the Nanoparticle on the Reverse Micellar Aggregates through Solvation Dynamics and Rotational Relaxation Measurements. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7557-7564.	1.2	31
20	Synthesis of silver nanoparticle in imidazolium and pyrrolidinium based ionic liquid reverse micelles: A step forward in nanostructure inorganic material in room temperature ionic liquid field. <i>Journal of Molecular Liquids</i> , 2011, 162, 33-37.	2.3	31
21	Dynamics of Solvation and Rotational Relaxation of Coumarin 480 in Pure Aqueous-AOT Reverse Micelle and Reverse Micelle Containing Different-Sized Silver Nanoparticles Inside Its Core: A Comparative Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3704-3712.	1.2	29
22	Photoinduced Electron Transfer in a Room Temperature Ionic Liquid 1-Butyl-3-methylimidazolium Octyl Sulfate Micelle: A Temperature Dependent Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6100-6110.	1.2	28
23	Photoinduced Electron Transfer in an Imidazolium Ionic Liquid and in Its Binary Mixtures with Water, Methanol, and 2-Propanol: Appearance of Marcus-Type of Inversion. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1335-1344.	1.2	28
24	Photoinduced electron transfer between various coumarin analogues and N,N-dimethylaniline inside niosome, a nonionic innocuous polyethylene glycol-based surfactant assembly. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8925.	1.3	23
25	Joint refinement of FRET measurements using spectroscopic and computational tools. <i>Analytical Biochemistry</i> , 2017, 522, 1-9.	1.1	21
26	Characterization of 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([Emim][Tf2N])/TX-100/cyclohexane ternary microemulsion: Investigation of photoinduced electron transfer in this RTIL containing microemulsion. <i>Journal of Chemical Physics</i> , 2011, 134, 074507.	1.2	20
27	Photoinduced intermolecular electron transfer in a room temperature imidazolium ionic liquid: An excitation wavelength dependence study. <i>Chemical Physics Letters</i> , 2011, 506, 211-216.	1.2	20
28	Role of Acidic Residues in Helices TH8 and TH9 in Membrane Interactions of the Diphtheria Toxin T Domain. <i>Toxins</i> , 2015, 7, 1303-1323.	1.5	20
29	An inducible amphipathic helix within the intrinsically disordered C terminus can participate in membrane curvature generation by peripherin-2/rds. <i>Journal of Biological Chemistry</i> , 2017, 292, 7850-7865.	1.6	20
30	The Chameleon-Like Nature of Zwitterionic Micelles: The Effect of Ionic Liquid Addition on the Properties of Aqueous Sulfobetaine Micelles. <i>ChemPhysChem</i> , 2012, 13, 1893-1901.	1.0	18
31	Effect of water on the solvent relaxation dynamics in an ionic liquid containing microemulsion of 1-butyl-3-methyl imidazolium tetrafluoroborate/TritonX-100/cyclohexane. <i>Chemical Physics Letters</i> , 2010, 490, 154-158.	1.2	15
32	Solvent and rotational relaxation study in ionic liquid containing reverse micellar system: A picosecond fluorescence spectroscopy study. <i>Chemical Physics Letters</i> , 2011, 512, 217-222.	1.2	13
33	Cellular Entry of the Diphtheria Toxin Does Not Require the Formation of the Open-Channel State by Its Translocation Domain. <i>Toxins</i> , 2017, 9, 299.	1.5	13
34	Effect of polymer, poly(ethylene glycol)(PEG-400), on solvent and rotational relaxation of coumarin-480 in an ionic liquid containing microemulsions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3878.	1.3	12
35	Solvation and Rotational Dynamics of Coumarin-153 in Ethylammonium Nitrate Containing β -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10500-10508.	1.2	12
36	Förster resonance energy transfer among a structural isomer of adenine and various Coumarins inside a nanosized reverse micelle. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 67-73.	2.0	11

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37	Solvent and rotational relaxation of Coumarin-153 in a micellar solution of a room-temperature ionic liquid, 1-butyl-3-methylimidazolium octyl sulfate, in ethylammonium nitrate. <i>Chemical Physics Letters</i> , 2010, 499, 89-93.	1.2	9
38	Computational refinement of spectroscopic FRET measurements. <i>Data in Brief</i> , 2017, 12, 213-221.	0.5	7
39	Nanocavity Effect On Photophysical Properties Of Colchicine: A Proof by Circular Dichroism Study and Picosecond Time-Resolved Analysis in Various Reverse Micellar Assemblies. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6644-6652.	1.2	6
40	Ionic-Liquid-Induced Changes in the Properties of Aqueous Zwitterionic Surfactant Solution: Solvent and Rotational Relaxation Studies. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3690-3698.	1.2	6