

# Nilmoni Sarkar

## List of Publications by Year in descending order

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184  
papers

6,564  
citations

61984

43  
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95266

68  
g-index

187  
all docs

187  
docs citations

187  
times ranked

4627  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvation Dynamics of Coumarin 480 in Reverse Micelles. Slow Relaxation of Water Molecules. The Journal of Physical Chemistry, 1996, 100, 10523-10527.	2.9	280
2	Solvation Dynamics of Coumarin 480 in Micelles. The Journal of Physical Chemistry, 1996, 100, 15483-15486.	2.9	252
3	Twisted charge transfer processes of Nile Red in homogeneous solutions and in Faujasite zeolite. Langmuir, 1994, 10, 326-329.	3.5	218
4	Dynamics of Solvation and Rotational Relaxation of Coumarin 153 in Ionic Liquid Confined Nanometer-Sized Microemulsions. Journal of Physical Chemistry B, 2005, 109, 5753-5758.	2.6	148
5	Dynamics of solvent relaxation in room temperature ionic liquids. Chemical Physics Letters, 2003, 381, 697-704.	2.6	128
6	Intramolecular Charge Transfer and Solvation Dynamics of Coumarin 152 in Aerosol-OT, Water-Solubilizing Reverse Micelles, and Polar Organic Solvent Solubilizing Reverse Micelles. Langmuir, 2002, 18, 7872-7879.	3.5	124
7	Solvation dynamics of Coumarin 153 in aqueous and non-aqueous reverse micelles. Chemical Physics Letters, 2003, 371, 553-562.	2.6	118
8	Effect of Water, Methanol, and Acetonitrile on Solvent Relaxation and Rotational Relaxation of Coumarin 153 in Neat 1-Hexyl-3-methylimidazolium Hexafluorophosphate. Journal of Physical Chemistry A, 2005, 109, 1764-1769.	2.5	118
9	Modulation of the Photophysical Properties of Curcumin in Nonionic Surfactant (Tween-20) Forming Micelles and Niosomes: A Comparative Study of Different Microenvironments. Journal of Physical Chemistry B, 2013, 117, 6957-6968.	2.6	114
10	Interaction of Ionic Liquid with Water in Ternary Microemulsions (Triton X-100/Water/1-BEOLock 10 Tf 50 387 Td) /Overlock 10 Tf 50 387 Td (X-100/Water/1-BEOLock 10 Tf 50 387 Td) Relaxation of Coumarin 153 and Coumarin 151. Langmuir, 2006, 22, 7768-7775.	3.5	108
11	Singlet excited state dynamics of uracil and thymine derivatives: A femtosecond fluorescence upconversion study in acetonitrile. Chemical Physics Letters, 2006, 429, 551-557.	2.6	97
12	Spontaneous Transition of Micelle to Vesicle to 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. Langmuir, 2013, 29, 10066-10076.	3.5	90
13	Study of energy transfer from 7-amino coumarin donors to rhodamine 6G acceptor in non-aqueous reverse micelles. Chemical Physics Letters, 2005, 401, 546-552.	2.6	85
14	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. Journal of Physical Chemistry B, 2012, 116, 3369-3379.	2.6	85
15	Photoinduced Electron Transfer in a Protein-Surfactant Complex: Probing the Interaction of SDS with BSA. Journal of Physical Chemistry B, 2006, 110, 16607-16617.	2.6	83
16	Intramolecular charge transfer and solvation dynamics of Nile Red in the nanocavity of cyclodextrins. Chemical Physics Letters, 2004, 388, 150-157.	2.6	77
17	Solvent Effect on the Singlet Excited-state Dynamics of 5-Fluorouracil in Acetonitrile as Compared with Water. Journal of Physical Chemistry B, 2006, 110, 12843-12847.	2.6	75
18	Intramolecular charge transfer processes and solvation dynamics of coumarin 490 in reverse micelles. Chemical Physics Letters, 2001, 342, 303-311.	2.6	72

#	ARTICLE	IF	CITATIONS
19	Probing protein-surfactant interaction by steady state and time-resolved fluorescence spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 543-549.	2.1	71
20	Designing a New Strategy for the Formation of IL-in-Oil Microemulsions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2850-2855.	2.6	71
21	Dynamics of solvation and rotational relaxation of Coumarin 153 in 1-butyl-3-methylimidazolium hexafluorophosphate [bmim][PF6] water mixtures. <i>Chemical Physics Letters</i> , 2004, 397, 469-474.	2.6	67
22	Dynamics of Solvent and Rotational Relaxation of Coumarin-153 in Room-Temperature Ionic Liquid 1-Butyl-3-methyl Imidazolium Tetrafluoroborate Confined in Poly(oxyethylene glycol) Ethers Containing Micelles. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4781-4787.	2.6	66
23	Probing the Interaction of 1-Ethyl-3-methylimidazolium Ethyl Sulfate ([Emim][EtSO <sub>4</sub> ]) with Alcohols and Water by Solvent and Rotational Relaxation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2779-2789.	2.6	65
24	Spectroscopy and Fluorescence Lifetime Imaging Microscopy To Probe the Interaction of Bovine Serum Albumin with Graphene Oxide. <i>Langmuir</i> , 2015, 31, 13793-13801.	3.5	63
25	Dynamics of Solvent and Rotational Relaxation of Coumarin 153 in Room-Temperature Ionic Liquid 1-Butyl-3-methylimidazolium Hexafluorophosphate Confined in Brij-35 Micelles: A Picosecond Time-Resolved Fluorescence Spectroscopic Study. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11110-11116.	2.5	62
26	Synthesis, Optical Properties, and Surface Enhanced Raman Scattering of Silver Nanoparticles in Nonaqueous Methanol Reverse Micelles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3901-3907.	3.1	62
27	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.	2.6	60
28	Ionic liquids in microemulsions: Formulation and characterization. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 25, 27-38.	7.4	58
29	Interaction of ionic liquid with water with variation of water content in 1-butyl-3-methyl-imidazolium hexafluorophosphate ([bmim][PF6])/TX-100/water ternary microemulsions monitored by solvent and rotational relaxation of coumarin 153 and coumarin 490. <i>Journal of Chemical Physics</i> , 2007, 126, 224512.	3.0	57
30	Dynamics of Solvent and Rotational Relaxation of Coumarin 153 in a Room Temperature Ionic Liquid, 1-Butyl-3-methylimidazolium Octyl Sulfate, Forming Micellar Structure. <i>Langmuir</i> , 2008, 24, 7085-7091.	3.5	57
31	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.	2.6	57
32	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.	3.1	56
33	A Comparative Study of the Influence of Sugars Sucrose, Trehalose, and Maltose on the Hydration and Diffusion of DMPC Lipid Bilayer at Complete Hydration: Investigation of Structural and Spectroscopic Aspect of Lipid-Sugar Interaction. <i>Langmuir</i> , 2016, 32, 5124-5134.	3.5	56
34	Photoinduced intermolecular electron transfer between Coumarin dyes and electron donating solvents in cetyltrimethylammonium bromide (CTAB) micelles: evidence for Marcus inverted region. <i>Chemical Physics Letters</i> , 2003, 382, 508-517.	2.6	54
35	Vesicles Formed in Aqueous Mixtures of Cholesterol and Imidazolium Surface Active Ionic Liquid: A Comparison with Common Cationic Surfactant by Water Dynamics. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5913-5923.	2.6	54
36	An Investigation into the Effect of the Structure of Bile Salt Aggregates on the Binding Interactions and ESIHT Dynamics of Curcumin: A Photophysical Approach To Probe Bile Salt Aggregates as a Potential Drug Carrier. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13795-13807.	2.6	53

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37	Vibronic Relaxation of Polyatomic Molecule in Nonpolar Solvent: Femtosecond Anisotropy/Intensity Measurements of the Steady-State Fluorescence of Tetracene. <i>Journal of Physical Chemistry A</i> , 1999, 103, 4808-4814.	2.5	52
38	Ionic Liquid-in-Oil Microemulsions Composed of Double Chain Surface Active Ionic Liquid as a Surfactant: Temperature Dependent Solvent and Rotational Relaxation Dynamics of Coumarin-153 in [Py][TF <sub>2</sub> N]/[C <sub>4</sub> mim][AOT]/Benzene Microemulsions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8210-8221.	2.6	52
39	A Step toward the Development of High-Temperature Stable Ionic Liquid-in-Oil Microemulsions Containing Double-Chain Anionic Surface Active Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7472-7480.	2.6	51
40	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.	2.6	48
41	Ionic liquid-induced aggregate formation and their applications. <i>Biophysical Reviews</i> , 2018, 10, 861-871.	3.2	48
42	Dynamics of photoisomerisation and rotational relaxation of 3,3'-diethyloxadiazocyanine iodide in room temperature ionic liquid and binary mixture of ionic liquid and water. <i>Chemical Physics Letters</i> , 2004, 397, 216-221.	2.6	44
43	Photophysics and Photodynamics of 1-Hydroxy-2-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.	2.6	44
44	How Does the Surface Charge of Ionic Surfactant and Cholesterol Forming Vesicles Control Rotational and Translational Motion of Rhodamine 6G Perchlorate (R6G ClO <sub>4</sub> )?. <i>Langmuir</i> , 2015, 31, 2310-2320.	3.5	44
45	Solvation dynamics of Coumarin 490 in methanol and acetonitrile reverse micelles. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1040-1045.	2.8	43
46	Photoinduced electron transfer from dimethyl aniline to coumarin dyes in reverse micelles. <i>Chemical Physics Letters</i> , 2005, 405, 18-25.	2.6	43
47	Effect of Encapsulation of Curcumin in Polymeric Nanoparticles: How Efficient to Control ESIPT Process?. <i>Langmuir</i> , 2014, 30, 10834-10844.	3.5	43
48	Micelle-vesicle-micelle transition in aqueous solution of anionic surfactant and cationic imidazolium surfactants: Alteration of the location of different fluorophores. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 762-773.	9.4	42
49	Investigation of Fibril Forming Mechanisms of L-Phenylalanine and L-Tyrosine: Microscopic Insight toward Phenylketonuria and Tyrosinemia Type II. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1533-1543.	2.6	41
50	Self-Assembly of Amphiphiles into Vesicles and Fibrils: Investigation of Structure and Dynamics Using Spectroscopy and Microscopy Techniques. <i>Langmuir</i> , 2018, 34, 11637-11654.	3.5	41
51	Study of Energy Transfer from 7-Amino Coumarin Donors to the Rhodamine 6G Acceptor in Lecithin Vesicles and Sodium Taurocholate-Lecithin Mixed Aggregates. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12080-12085.	2.6	40
52	Unique Characteristics of Ionic Liquids Comprised of Long-Chain Cations and Anions: A New Physical Insight. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3927-3934.	2.6	40
53	Organic Additive, 5-Methylsalicylic Acid Induces Spontaneous Structural Transformation of Aqueous Pluronic Triblock Copolymer Solution: A Spectroscopic Investigation of Interaction of Curcumin with Pluronic Micellar and Vesicular Aggregates. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11437-11448.	2.6	40
54	Solvation Dynamics of Coumarin 480 in TritonX-100 (TX-100) and Bile Salt Mixed Micelles. <i>Journal of Physical Chemistry A</i> , 2003, 107, 5887-5893.	2.5	39

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55	Solvent and Rotational Relaxation of Coumarin 153 in a Protic Ionic Liquid Dimethylethanolammonium Formate. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2629-2636.	2.6	39
56	Phase Boundaries, Structural Characteristics, and NMR Spectra of Ionic Liquid-in-Oil Microemulsions Containing Double Chain Surface Active Ionic Liquid: A Comparative Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1480-1493.	2.6	39
57	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.	2.6	38
58	Solvation dynamics in a solid host. Coumarin 480 in zeolite 13X. <i>Chemical Physics Letters</i> , 1996, 249, 323-328.	2.6	37
59	Assessing solvent effects on the singlet excited state lifetime of uracil derivatives: A femtosecond fluorescence upconversion study in alcohols and D2O. <i>Chemical Physics</i> , 2008, 350, 186-192.	1.9	36
60	Room Temperature Ionic Liquid in Confined Media: A Temperature Dependence Solvation Study in [bmim][BF <sub>4</sub> ]/BHDC/Benzene Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5971-5979.	2.6	36
61	Effect of alkyl chain length and size of the headgroups of the surfactant on solvent and rotational relaxation of Coumarin 480 in micelles and mixed micelles. <i>Journal of Chemical Physics</i> , 2005, 122, 184516.	3.0	35
62	Inhibition of Fibrillar Assemblies of $\alpha$ -Phenylalanine by Crown Ethers: A Potential Approach toward Phenylketonuria. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7662-7670.	2.6	35
63	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.	2.6	34
64	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.	2.8	34
65	Picosecond solvation dynamics—A potential viewer of DMSO–Water binary mixtures. <i>Journal of Chemical Physics</i> , 2015, 142, 054505.	3.0	34
66	Unveiling the Mode of Interaction of Berberine Alkaloid in Different Supramolecular Confined Environments: Interplay of Surface Charge between Nano-Confined Charged Layer and DNA. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1106-1120.	2.6	33
67	Dynamics of Solvent and Rotational Relaxation of Glycerol in the Nanocavity of Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5359-5366.	2.6	32
68	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.	2.6	32
69	A Novel Ionic Liquid-in-Oil Microemulsion Composed of Biologically Acceptable Components: An Excitation Wavelength Dependent Fluorescence Resonance Energy Transfer Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3221-3231.	2.6	32
70	Unique Photophysical Behavior of 2,2'-Bipyridine-3,3'-diol in DMSO–Water Binary Mixtures: Potential Application for Fluorescence Sensing of Zn <sup>2+</sup> Based on the Inhibition of Excited-State Intramolecular Double Proton Transfer. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12212-12223.	2.6	32
71	Protein-Guided Formation of Silver Nanoclusters and Their Assembly with Graphene Oxide as an Improved Bioimaging Agent with Reduced Toxicity. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2291-2297.	4.6	32
72	Solvation dynamics of Coumarin 152A in methanol and acetonitrile reverse micelles. <i>Chemical Physics Letters</i> , 2002, 358, 523-530.	2.6	31

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73	Solvation dynamics of coumarin 480 in neutral (TX-100), anionic (SDS), and cationic (CTAB) water-in-oil microemulsions. <i>Chemical Physics Letters</i> , 2003, 382, 71-80.	2.6	31
74	Photoinduced electron transfer (PET) from N,N-dimethylaniline to 7-amino Coumarin dyes in a room temperature ionic liquid (RTIL): Slowing down of electron transfer rate compared to conventional solvent. <i>Chemical Physics Letters</i> , 2009, 477, 102-108.	2.6	31
75	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.	2.6	31
76	Photophysical Studies of a Hemicyanine Dye (LDS-698) in Dioxane-Water Mixture, in Different Alcohols, and in a Room Temperature Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6826-6833.	2.6	31
77	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.	4.9	31
78	How does bile salt penetration affect the self-assembled architecture of pluronic P123 micelles? A light scattering and spectroscopic investigations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19977-19990.	2.8	31
79	Comparative Fluorescence Resonance Energy-Transfer Study in Pluronic Triblock Copolymer Micelle and Niosome Composed of Biological Component Cholesterol: An Investigation of Effect of Cholesterol and Sucrose on the FRET Parameters. <i>Journal of Physical Chemistry B</i> , 2016, 120, 131-142.	2.6	31
80	Inhibiting the Fibrillation of Serum Albumin Proteins in the Presence of Surface Active Ionic Liquids (SAILs) at Low pH: Spectroscopic and Microscopic Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7550-7560.	2.6	31
81	Solvation Dynamics of Coumarin 480 in Bile Salt-Cetyltrimethylammonium Bromide (CTAB) and Bile Salt-Tween 80 Mixed Micelles. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13643-13648.	2.6	30
82	Study of Fluorescence Resonance Energy Transfer in Zwitterionic Micelle: Ionic-Liquid-Induced Changes in FRET Parameters. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12021-12029.	2.6	30
83	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.	2.6	29
84	Cholesterol Based Surface Active Ionic Liquid That Can Form Microemulsions and Spontaneous Vesicles. <i>Langmuir</i> , 2017, 33, 5891-5899.	3.5	29
85	Unveiling the Aggregation Behavior of Doxorubicin Hydrochloride in Aqueous Solution of 1-Octyl-3-methylimidazolium Chloride and the Effect of Bile Salt on These Aggregates: A Microscopic Study. <i>Langmuir</i> , 2018, 34, 3296-3306.	3.5	29
86	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.	2.6	28
87	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.	2.6	28
88	Fluorescence Resonance Energy Transfer in Microemulsions Composed of Tripled-Chain Surface Active Ionic Liquids, RTILs, and Biological Solvent: An Excitation Wavelength Dependence Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9508-9517.	2.6	28
89	Highly Luminescent Thermoresponsive Green Emitting Gold Nanoclusters for Intracellular Nanothermometry and Cellular Imaging: A Dual Function Optical Probe. <i>ACS Applied Bio Materials</i> , 2019, 2, 2078-2091.	4.6	28
90	Dynamics of solvation and rotational relaxation in neutral Brij 35 and Brij 58 micelles. <i>Chemical Physics Letters</i> , 2004, 392, 340-347.	2.6	27

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91	A new strategy to prepare giant vesicles from surface active ionic liquids (SAILs): a study of protein dynamics in a crowded environment using a fluorescence correlation spectroscopic technique. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14520-14530.	2.8	27
92	Surface Ligand-Controlled Wavelength-Tunable Luminescence of Gold Nanoclusters: Cellular Imaging and Smart Fluorescent Probes for Amyloid Detection. <i>ACS Applied Bio Materials</i> , 2020, 3, 4282-4293.	4.6	27
93	Ultrafast FRET to Study Spontaneous Micelle-to-Vesicle Transitions in an Aqueous Mixed Surface-Active Ionic-Liquid System. <i>ChemPhysChem</i> , 2014, 15, 3544-3553.	2.1	26
94	Photoinduced electron transfer reaction in polymer-surfactant aggregates: Photoinduced electron transfer between N,N-dimethylaniline and 7-amino coumarin dyes. <i>Journal of Chemical Physics</i> , 2008, 128, 204510.	3.0	25
95	Effect of Alkyl Chain of Room Temperature Ionic Liquid (RTILs) on the Phase Behavior of [C <sub>2</sub> mim][C <sub>n</sub> SO <sub>4</sub> ]/TX-100/Cyclohexane Microemulsions: Solvent and Rotational Relaxation Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5886-5897.	2.6	25
96	Picosecond Solvation and Rotational Dynamics: An Attempt to Reinvestigate the Mystery of Alcohol-Water Binary Mixtures. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9905-9919.	2.6	25
97	Graphene Oxide and Pluronic Copolymer Aggregates—Possible Route to Modulate the Adsorption of Fluorophores and Imaging of Live Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25023-25035.	3.1	25
98	Unveiling the Interaction between Fatty-Acid-Modified Membrane and Hydrophilic Imidazolium-Based Ionic Liquid: Understanding the Mechanism of Ionic Liquid Cytotoxicity. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8162-8170.	2.6	25
99	To probe the structure of methanol and Aerosol OT (AOT) in AOT reverse micelles by FTIR measurements. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8913.	2.8	24
100	Modulation of the Photophysical Properties of 2,2'-Bipyridine-3,3'-diol inside Bile Salt Aggregates: A Fluorescence-based Study for the Molecular Recognition of Bile Salts. <i>Langmuir</i> , 2013, 29, 133-143.	3.5	24
101	Spectroscopic investigation of the binding interactions of a membrane potential molecule in various supramolecular confined environments: contrasting behavior of surfactant molecules in relocation or release of the probe between nanocarriers and DNA surface. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25024-25038.	2.8	24
102	State of the Art and Perspectives on the Biofunctionalization of Fluorescent Metal Nanoclusters and Carbon Quantum Dots for Targeted Imaging and Drug Delivery. <i>Langmuir</i> , 2021, 37, 9281-9301.	3.5	24
103	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.	2.8	23
104	Photoinduced electron transfer from N,N-dimethylaniline to 7-amino Coumarins in protein-surfactant complex: Slowing down of electron transfer dynamics compared to micelles. <i>Journal of Chemical Physics</i> , 2006, 124, 074512.	3.0	22
105	Sodium Chloride Triggered the Fusion of Vesicle Composed of Fatty Acid Modified Protic Ionic Liquid: A New Insight into the Membrane Fusion Monitored through Fluorescence Lifetime Imaging Microscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 24-34.	2.6	22
106	A cell-penetrating peptide induces the self-reproduction of phospholipid vesicles: understanding the role of the bilayer rigidity. <i>Chemical Communications</i> , 2018, 54, 11451-11454.	4.1	22
107	Aggregation Behavior of Triton X-100 with a Mixture of Two Room-Temperature Ionic Liquids: Can We Identify the Mutual Penetration of Ionic Liquids in Ionic Liquid Containing Micellar Aggregates?. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13868-13877.	2.6	21
108	Characterization of 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ([Emim][Tf <sub>2</sub> N])/TX-100/cyclohexane ternary microemulsion: Investigation of photoinduced electron transfer in this RTIL containing microemulsion. <i>Journal of Chemical Physics</i> , 2011, 134, 074507.	3.0	20

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109	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.	2.6	20
110	Unique Influence of Cholesterol on Modifying the Aggregation Behavior of Surfactant Assemblies: Investigation of Photophysical and Dynamical Properties of 2,2'-Bipyridine-3,3'-diol, BP(OH) <sub>2</sub> in Surfactant Micelles, and Surfactant/Cholesterol Forming Vesicles. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9329-9340.	2.6	20
111	Interaction of urea with fluorophores bound to protein surfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1959.	1.7	19
112	Effect of hydrogen bonding on intramolecular charge transfer in aqueous and non-aqueous reverse micelles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 167, 23-30.	3.9	19
113	Modulation of Photophysics and Photodynamics of 1-Hydroxy-2-acetonaphthone (HAN) in Bile Salt Aggregates: A Study of Polarity and Nanoconfinement Effects. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8780-8792.	2.6	19
114	An easy and smart way to explore the light-emitting responses of carbon dot and doxorubicin hydrochloride assembly: white light generation and pH-dependent reversible photoswitching. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6414-6425.	5.5	19
115	Modulation of Membrane Fluidity Performed on Model Phospholipid Membrane and Live Cell Membrane: Revealing through Spatiotemporal Approaches of FLIM, FAIM, and TRFS. <i>Analytical Chemistry</i> , 2019, 91, 4337-4345.	6.5	19
116	Dynamics of the vesicles composed of fatty acids and other amphiphile mixtures: unveiling the role of fatty acids as a model protocell membrane. <i>Biophysical Reviews</i> , 2020, 12, 1117-1131.	3.2	19
117	Antagonist Effects of L-Phenylalanine and the Enantiomeric Mixture Containing D-Phenylalanine on Phospholipid Vesicle Membrane. <i>Langmuir</i> , 2020, 36, 2459-2473.	3.5	19
118	Solvent relaxation of a room-temperature ionic liquid [bmim][PF6] confined in a ternary microemulsion. <i>Journal of Chemical Sciences</i> , 2007, 119, 105-111.	1.5	18
119	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.	2.1	18
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