

# Nilmoni Sarkar

## List of Publications by Year in descending order

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184  
papers

6,564  
citations

61984

43  
h-index

95266

68  
g-index

187  
all docs

187  
docs citations

187  
times ranked

4627  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of lipid tubules induced by a sugar-like molecule myo-inositol. <i>Chemical Communications</i> , 2022, 58, 459-462.	4.1	1
2	Tribute to Professor Kankan Bhattacharyya. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3461-3463.	2.6	2
3	Amyloids Formed by Nonaromatic Amino Acid Methionine and Its Cross with Phenylalanine Significantly Affects Phospholipid Vesicle Membrane: An Insight into Hypermethioninemia Disorder. <i>Langmuir</i> , 2022, 38, 8252-8265.	3.5	8
4	Self-assembly of artificial sweetener aspartame adversely affects phospholipid membranes: plausible reason for its deleterious effects. <i>Chemical Communications</i> , 2021, 57, 10532-10535.	4.1	9
5	A Comparative Study on DMSO-Induced Modulation of the Structural and Dynamical Properties of Model Bilayer Membranes. <i>Langmuir</i> , 2021, 37, 2065-2078.	3.5	11
6	Femtosecond solvation dynamics study of hydrophobic and hydrophilic probes in various room temperature ionic liquids (RTILs) containing microemulsions. <i>Chemical Physics Letters</i> , 2021, 767, 138356.	2.6	7
7	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
8	Phenylalanine Interacts with Oleic Acid-Based Vesicle Membrane. Understanding the Molecular Role of Fibrilâ€“Vesicle Interaction under the Context of Phenylketonuria. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9776-9793.	2.6	9
9	Virtual Issue on Surfactants. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9917-9920.	2.6	1
10	An insight into the dissolution of cellulose in 1-butyl-3-methylimidazolium chloride-DMSO binary Mixture: Exploring the dynamics of rhodamine 6G and fluorescein. <i>Journal of Molecular Liquids</i> , 2021, 339, 116817.	4.9	9
11	Influence of a Polyneurotransmitter on DNA-Mediated FÃƒrster-Based Resonance Energy Transfer: A Path Leading to White Light Generation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12637-12653.	2.6	3
12	The Dietary Nutrient Trimethylamine <i>N</i>-Oxide Affects the Phospholipid Vesicle Membrane: Probable Route to Adverse Intake. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12411-12418.	4.6	6
13	Spectroscopic investigation on alteration of dynamic properties of lipid membrane in presence of Gamma-Aminobutyric Acid (GABA). <i>Journal of Molecular Liquids</i> , 2020, 297, 111877.	4.9	12
14	Modulation of Membrane Fluidity to Control Interfacial Water Structure and Dynamics in Saturated and Unsaturated Phospholipid Vesicles. <i>Langmuir</i> , 2020, 36, 12423-12434.	3.5	7
15	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
16	Aging-Dependent Morphological Crystallinity Determines Membrane Activity of <sc>l</sc>-Phenylalanine Self-Assembles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8585-8591.	4.6	7
17	Denaturant-Mediated Modulation of the Formation and Drug Encapsulation Responses of Gold Nanoparticles. <i>Langmuir</i> , 2020, 36, 7634-7647.	3.5	5
18	Graphene Oxide Functionalized with 5-Aminophenanthroline for Selective Detection of Adenine through Fluorescence â€œTurn-Offâ€“Onâ€•Response. <i>ACS Applied Nano Materials</i> , 2020, 3, 3532-3539.	5.0	6

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19	Selective Self-Assembly of 5-Fluorouracil through Nonlinear Solvent Response Modulates Membrane Dynamics. <i>Langmuir</i> , 2020, 36, 2707-2719.	3.5	9
20	Antagonist Effects of <i>L</i> -Phenylalanine and the Enantiomeric Mixture Containing <i>D</i> -Phenylalanine on Phospholipid Vesicle Membrane. <i>Langmuir</i> , 2020, 36, 2459-2473.	3.5	19
21	Understanding the Self-Assembling Behavior of Biological Building Block Molecules: A Spectroscopic and Microscopic Approach. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2065-2080.	2.6	15
22	Unveiling the Behavior of Curcumin in Biocompatible Microemulsion and Its Differential Interaction with Gold and Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3905-3914.	3.1	17
23	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
24	Surfactant Behavior of Ionic Liquids Involving a Drug. , 2019, , 1-16.		1
25	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
26	Multi-stimuli responsive fabrication of supramolecular assemblies using ionic self-assembly approach. <i>Journal of Molecular Liquids</i> , 2019, 286, 110861.	4.9	5
27	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
28	The role of viscosity in various dynamical processes of different fluorophores in ionic liquid-cosolvent mixtures: a femtosecond fluorescence upconversion study. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1359-1372.	2.9	4
29	Unveiling the interaction between carbon nanodot and IR light emitting fluorescent dyes inside the confined micellar environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 298-308.	3.9	3
30	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
31	Insight into the Dynamics of Different Fluorophores in the Interior of Aerosol OT Lamellar Structures in the Presence of Sugars: From Picosecond-to-Femtosecond Study. <i>Journal of Physical Chemistry B</i> , 2019, 123, 117-129.	2.6	9
32	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
33	Unveiling the Interaction of Duplex DNA with Graphene Oxide in the Presence of Two Diverse Binders: A Detailed Photophysical Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6876-6888.	3.1	18
34	Ionic liquid-induced aggregate formation and their applications. <i>Biophysical Reviews</i> , 2018, 10, 861-871.	3.2	48
35	Effect of sugars on the dynamics of hydrophilic fluorophores confined inside the water pool of anionic reverse micelle: A spectroscopic approach. <i>Journal of Molecular Liquids</i> , 2018, 252, 225-235.	4.9	5
36	Anomalous Dynamics in <i>tert</i> -Butyl Alcohol-Water and Trimethylamine <i>N</i> -Oxide-Water Binary Mixtures: A Femtosecond Transient Absorption Study. <i>ACS Omega</i> , 2018, 3, 383-392.	3.5	6

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37	Effect of Microheterogeneity of Different Aqueous Binary Mixtures on the Proton Transfer Dynamics of [2,2'-Bipyridyl]-3,3'-diol: A Femtosecond Fluorescence Upconversion Study. ACS Omega, 2018, 3, 314-328.	3.5	16
38	Self-Assembly of Amphiphiles into Vesicles and Fibrils: Investigation of Structure and Dynamics Using Spectroscopy and Microscopy Techniques. Langmuir, 2018, 34, 11637-11654.	3.5	41
39	Self-assembling behavior of pyrimidine analogues: Unveiling the factors behind morphological diversity. Journal of Colloid and Interface Science, 2018, 522, 63-73.	9.4	12
40	Membrane perturbation through novel cell-penetrating peptides influences intracellular accumulation of imatinib mesylate in CML cells. Cell Biology and Toxicology, 2018, 34, 233-245.	5.3	4
41	Light-induced morphological transition between unconjugated bilirubin photoisomers. Soft Matter, 2018, 14, 8325-8332.	2.7	7
42	Modification of fatty acid vesicle using an imidazolium-based surface active ionic liquid: a detailed study on its modified properties using spectroscopy and microscopy techniques. Journal of Chemical Sciences, 2018, 130, 1.	1.5	9
43	A cell-penetrating peptide induces the self-reproduction of phospholipid vesicles: understanding the role of the bilayer rigidity. Chemical Communications, 2018, 54, 11451-11454.	4.1	22
44	Investigation of Fibril Forming Mechanisms of L-Phenylalanine and L-Tyrosine: Microscopic Insight toward Phenylketonuria and Tyrosinemia Type II. Journal of Physical Chemistry B, 2017, 121, 1533-1543.	2.6	41
45	A new rhodamine derived fluorescent sensor: Detection of Hg <sup>2+</sup> at cellular level. Chemical Physics Letters, 2017, 673, 84-88.	2.6	16
46	Influence of bile salt on vitamin E derived vesicles involving a surface active ionic liquid and conventional cationic micelle. Journal of Colloid and Interface Science, 2017, 501, 202-214.	9.4	10
47	Protein-Guided Formation of Silver Nanoclusters and Their Assembly with Graphene Oxide as an Improved Bioimaging Agent with Reduced Toxicity. Journal of Physical Chemistry Letters, 2017, 8, 2291-2297.	4.6	32
48	Cholesterol Based Surface Active Ionic Liquid That Can Form Microemulsions and Spontaneous Vesicles. Langmuir, 2017, 33, 5891-5899.	3.5	29
49	Micelle-vesicle-micelle transition in aqueous solution of anionic surfactant and cationic imidazolium surfactants: Alteration of the location of different fluorophores. Journal of Colloid and Interface Science, 2017, 490, 762-773.	9.4	42
50	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. Journal of Physical Chemistry B, 2017, 121, 24-34.	2.6	22
51	Concentration-Driven Fascinating Vesicle-Fibril Transition Employing Merocyanine 540 and 1-Octyl-3-methylimidazolium Chloride. Langmuir, 2017, 33, 9811-9821.	3.5	10
52	Unveiling the Self-Assembling Behavior of 5-Fluorouracil and its N,N-Dimethyl Derivative: A Spectroscopic and Microscopic Approach. Langmuir, 2017, 33, 10978-10988.	3.5	10
53	Inhibiting the Fibrillation of Serum Albumin Proteins in the Presence of Surface Active Ionic Liquids (SAILs) at Low pH: Spectroscopic and Microscopic Study. Journal of Physical Chemistry B, 2017, 121, 7550-7560.	2.6	31
54	Unveiling the Interaction between Fatty-Acid-Modified Membrane and Hydrophilic Imidazolium-Based Ionic Liquid: Understanding the Mechanism of Ionic Liquid Cytotoxicity. Journal of Physical Chemistry B, 2017, 121, 8162-8170.	2.6	25

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55	Effect of Vitamin E and a Long-Chain Alcohol <i>n</i> -Octanol on the Carbohydrate-Based Nonionic Amphiphile Sucrose Monolaurate” Formulation of Newly Developed Niosomes and Application in Cell Imaging. ACS Omega, 2017, 2, 7637-7646.	3.5	7
56	Effects of a common worldwide drink (Beer) on L-Phenylalanine and L-Tyrosine fibrillar assemblies. Chemical Physics Letters, 2017, 687, 44-53.	2.6	10
57	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. Langmuir, 2016, 32, 5124-5134.	3.5	56
58	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. Physical Chemistry Chemical Physics, 2016, 18, 14520-14530.	2.8	27
59	Modulation of the Excited-State Dynamics of 2,2’-Bipyridine-3,3’-diol in Crown Ethers: A Possible Way To Control the Morphology of a Glycine Fibril through Fluorescence Lifetime Imaging Microscopy. Journal of Physical Chemistry B, 2016, 120, 11247-11255.	2.6	18
60	Solvation, rotational relaxation and fluorescence correlation spectroscopic study on ionic liquid-in-oil microemulsions containing triple-chain surface active ionic liquids (SAILs). RSC Advances, 2016, 6, 74604-74613.	3.6	4
61	Effect of viscosity on photoinduced electron transfer reaction: An observation of the Marcus inverted region in homogeneous solvents. Chemical Physics Letters, 2016, 660, 81-86.	2.6	2
62	Inhibition of Fibrillar Assemblies of L-Phenylalanine by Crown Ethers: A Potential Approach toward Phenylketonuria. Journal of Physical Chemistry B, 2016, 120, 7662-7670.	2.6	35
63	Effect of the submicellar concentration of bile salts on structural alterations of $\beta$ -casein micelles. RSC Advances, 2016, 6, 71989-71998.	3.6	9
64	Probing the Interaction between a DNA Nucleotide (Adenosine-5’-Monophosphate Disodium) and Surface Active Ionic Liquids by Rotational Relaxation Measurement and Fluorescence Correlation Spectroscopy. Langmuir, 2016, 32, 10946-10956.	3.5	18
65	Influence of trehalose on the interaction of curcumin with surface active ionic liquid micelle and its vesicular aggregate composed of a non-ionic surfactant sorbitan stearate. Chemical Physics Letters, 2016, 665, 14-21.	2.6	14
66	Proton Transfer Pathways of 2,2’-Bipyridine-3,3’-diol in pH Responsive Fatty Acid Self-Assemblies: Multiwavelength Fluorescence Lifetime Imaging in a Single Vesicle. Langmuir, 2016, 32, 13284-13295.	3.5	15
67	Ionic liquids in microemulsions: Formulation and characterization. Current Opinion in Colloid and Interface Science, 2016, 25, 27-38.	7.4	58
68	5-Methyl Salicylic Acid-Induced Thermo Responsive Reversible Transition in Surface Active Ionic Liquid Assemblies: A Spectroscopic Approach. Langmuir, 2016, 32, 7127-7137.	3.5	14
69	Translational and Rotational Diffusion of Two Differently Charged Solutes in Ethylammonium Nitrate”Methanol Mixture: Does the Nanostructure of the Amphiphiles Influence the Motion of the Solute?. Journal of Physical Chemistry B, 2016, 120, 5481-5490.	2.6	15
70	Unveiling the Mode of Interaction of Berberine Alkaloid in Different Supramolecular Confined Environments: Interplay of Surface Charge between Nano-Confined Charged Layer and DNA. Journal of Physical Chemistry B, 2016, 120, 1106-1120.	2.6	33
71	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. Journal of Physical Chemistry B, 2016, 120, 131-142.	2.6	31
72	Vesicles Formation by Zwitterionic Micelle and Poly-L-lysine: Solvation and Rotational Relaxation Study. Journal of Physical Chemistry B, 2015, 119, 8285-8292.	2.6	6

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73	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
74	Picosecond solvation dynamics—A potential viewer of DMSO—Water binary mixtures. <i>Journal of Chemical Physics</i> , 2015, 142, 054505.	3.0	34
75	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
76	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
77	Modulation of the aggregation properties of sodium deoxycholate in presence of hydrophilic imidazolium based ionic liquid: water dynamics study to probe the structural alteration of the aggregates. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25216-25227.	2.8	18
78	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
79	How does bile salt penetration affect the self-assembled architecture of pluronic P123 micelles? —light scattering and spectroscopic investigations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19977-19990.	2.8	31
80	Effect of room temperature surface active ionic liquids on aggregated nanostructures of $\beta$ -Cyclodextrins: A picosecond fluorescence spectroscopic study. <i>Chemical Physics Letters</i> , 2014, 601, 174-180.	2.6	5
81	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
82	Interaction of gold nanoclusters with IR light emitting cyanine dyes: a systematic fluorescence quenching study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17272.	2.8	16
83	Ultrafast FRET to Study Spontaneous Micelle—Vesicle Transitions in an Aqueous Mixed Surface—Active Ionic—Liquid System. <i>ChemPhysChem</i> , 2014, 15, 3544-3553.	2.1	26
84	Effect of Encapsulation of Curcumin in Polymeric Nanoparticles: How Efficient to Control ESIPT Process?. <i>Langmuir</i> , 2014, 30, 10834-10844.	3.5	43
85	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
86	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
87	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
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	Spontaneous Transition of Micelle—Vesicle—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.	3.5	90
90	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

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91	Zwitterionic micelles as a soft template for the extremely rapid synthesis of small hollow gold nanocontainers. <i>RSC Advances</i> , 2013, 3, 14963.	3.6	9
92	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
93	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
94	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
95	Is it possible to apply dynamics of solvent to locate metal nanoparticles inside an ionic liquids-containing microheterogeneous system? A comparative study. <i>Chemical Physics Letters</i> , 2013, 580, 88-93.	2.6	10
96	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
97	Effect of Alkyl Chain of Room Temperature Ionic Liquid (RTILs) on the Phase Behavior of [C <sub>2</sub> mim][C <sub>4</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
98	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
99	Modulation of the Photophysical Properties of Curcumin in Nonionic Surfactant (Tween-20) Forming Micelles and Niosomes: A Comparative Study of Different Microenvironments. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6957-6968.	2.6	114
100	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
101	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
102	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
103	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
104	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
105	Tuning the Probe Location on Zwitterionic Micellar System with Variation of pH and Addition of Surfactants with Different Alkyl Chains: Solvent and Rotational Relaxation Studies. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11313-11322.	2.6	10
106	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
107	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
108	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

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109	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.	2.6	6
110	Protic ionic liquid-induced changes in the properties of aqueous triton X-100â€“CTAB surfactant solution: Solvent and rotational relaxation studies. <i>Chemical Physics Letters</i> , 2012, 552, 38-43.	2.6	6
111	Photophysics of 3,3â€“Diethyloxadicyanone Iodide (DODCI) in Ionic Liquid Micelle and Binary Mixtures of Ionic Liquids: Effect of Confinement and Viscosity on Photoisomerization Rate. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9482-9491.	2.6	11
112	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
113	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.	2.6	85
114	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
115	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
116	The Chameleonâ€“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
117	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.	2.6	44
118	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
119	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
120	Solvation and Rotational Dynamics of Coumarin-153 in Ethylammonium Nitrate Containing $\beta$ -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10500-10508.	2.6	12
121	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
122	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
123	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
124	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
125	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
126	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



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127	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
128	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
129	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.	2.6	15
130	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.	2.6	9
131	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
132	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
133	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.	2.8	12
134	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
135	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
136	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
137	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
138	Assessing solvent effects on the singlet excited state lifetime of uracil derivatives: A femtosecond fluorescence upconversion study in alcohols and D <sub>2</sub> O. <i>Chemical Physics</i> , 2008, 350, 186-192.	1.9	36
139	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
140	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
141	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
142	Interaction of ionic liquid with water with variation of water content in 1-butyl-3-methyl-imidazolium hexafluorophosphate ([bmim][PF <sub>6</sub> ])/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
143	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
144	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

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145	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
146	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
147	Solvent Effect on the Singlet Excited-state Dynamics of 5-Fluorouracil in Acetonitrile as Compared with Water. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12843-12847.	2.6	75
148	Photoinduced Electron Transfer in a Protein-Surfactant Complex: Probing the Interaction of SDS with BSA. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16607-16617.	2.6	83
149	Interaction of Ionic Liquid with Water in Ternary Microemulsions (Triton) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (X-100) Relaxation of Coumarin 153 and Coumarin 151. <i>Langmuir</i> , 2006, 22, 7768-7775.	3.5	108
150	Singlet excited state dynamics of uracil and thymine derivatives: A femtosecond fluorescence upconversion study in acetonitrile. <i>Chemical Physics Letters</i> , 2006, 429, 551-557.	2.6	97
151	Photo-induced intermolecular electron transfer from electron donating solvents to Coumarin dyes in bile salt aggregates: Role of diffusion in electron transfer reaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 594-602.	3.9	16
152	Photoinduced intermolecular electron transfer from dimethyl aniline to 7-amino Coumarin dyes in the surface of $\beta$ -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 801-808.	3.9	17
153	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
154	Study of energy transfer from 7-amino coumarin donors to rhodamine 6G acceptor in non-aqueous reverse micelles. <i>Chemical Physics Letters</i> , 2005, 401, 546-552.	2.6	85
155	Photoinduced electron transfer from dimethyl aniline to coumarin dyes in reverse micelles. <i>Chemical Physics Letters</i> , 2005, 405, 18-25.	2.6	43
156	Binding and relaxation behavior of Coumarin-153 in lecithin-taurocholate mixed micelles: A time resolved fluorescence spectroscopic study. <i>Chemical Physics Letters</i> , 2005, 412, 255-262.	2.6	9
157	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
158	Dynamics of Solvation and Rotational Relaxation of Coumarin 153 in Ionic Liquid Confined Nanometer-Sized Microemulsions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5753-5758.	2.6	148
159	Effect of Water, Methanol, and Acetonitrile on Solvent Relaxation and Rotational Relaxation of Coumarin 153 in Neat 1-Hexyl-3-methylimidazolium Hexafluorophosphate. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1764-1769.	2.5	118
160	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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Intramolecular charge transfer and solvation dynamics of Nile Red in the nanocavity of cyclodextrins. <i>Chemical Physics Letters</i> , 2004, 388, 150-157.	2.6	77
164	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
165	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
166	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
167	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
168	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
169	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
170	Dynamics of solvent relaxation in room temperature ionic liquids. <i>Chemical Physics Letters</i> , 2003, 381, 697-704.	2.6	128
171	Solvation dynamics of Coumarin 153 in aqueous and non-aqueous reverse micelles. <i>Chemical Physics Letters</i> , 2003, 371, 553-562.	2.6	118
172	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
173	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
174	Intramolecular Charge Transfer and Solvation Dynamics of Coumarin 152 in Aerosol-OT, Water-Solubilizing Reverse Micelles, and Polar Organic Solvent Solubilizing Reverse Micelles. <i>Langmuir</i> , 2002, 18, 7872-7879.	3.5	124
175	Solvation dynamics of Coumarin 490 in methanol and acetonitrile reverse micelles. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1040-1045.	2.8	43
176	Solvation dynamics of Coumarin 152A in methanol and acetonitrile reverse micelles. <i>Chemical Physics Letters</i> , 2002, 358, 523-530.	2.6	31
177	Intramolecular charge transfer processes and solvation dynamics of coumarin 490 in reverse micelles. <i>Chemical Physics Letters</i> , 2001, 342, 303-311.	2.6	72
178	Vibronic Relaxation of Polyatomic Molecule in Nonpolar Solvent: Femtosecond Anisotropy/Intensity Measurements of the Synchronous Fluorescence of Tetracene. <i>Journal of Physical Chemistry A</i> , 1999, 103, 4808-4814.	2.5	52
179	Solvation Dynamics of Coumarin 480 in Micelles. <i>The Journal of Physical Chemistry</i> , 1996, 100, 15483-15486.	2.9	252
180	Solvation dynamics in a solid host. Coumarin 480 in zeolite 13X. <i>Chemical Physics Letters</i> , 1996, 249, 323-328.	2.6	37

#	ARTICLE	IF	CITATIONS
181	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
182	Effect of urea and surfactant on p-nitrophenol at the water surface: a surface second-harmonic generation study. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1769.	1.7	9
183	Twisted charge transfer processes of Nile red in homogeneous solutions and in Faujasite zeolite. Langmuir, 1994, 10, 326-329.	3.5	218
184	Interaction of urea with fluorophores bound to protein surfaces. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1959.	1.7	19