

Kamalakanta Behera

List of Publications by Year in descending order

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41
papers

1,492
citations

394286

19
h-index

315616

38
g-index

41
all docs

41
docs citations

41
times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of added ionic liquid on aqueous Triton X-100 micelles. Journal of Colloid and Interface Science, 2007, 307, 235-245.	5.0	162
2	Concentration-Dependent Dual Behavior of Hydrophilic Ionic Liquid in Changing Properties of Aqueous Sodium Dodecyl Sulfate. Journal of Physical Chemistry B, 2007, 111, 13307-13315.	1.2	126
3	Modulating properties of aqueous sodium dodecyl sulfate by adding hydrophobic ionic liquid. Journal of Colloid and Interface Science, 2007, 316, 803-814.	5.0	110
4	Ionic Liquid Induced Changes in the Properties of Aqueous Zwitterionic Surfactant Solution. Langmuir, 2008, 24, 6462-6469.	1.6	99
5	Unique role of hydrophilic ionic liquid in modifying properties of aqueous Triton X-100. Journal of Chemical Physics, 2007, 127, 184501.	1.2	94
6	Modifying Properties of Aqueous Cetyltrimethylammonium Bromide with External Additives: Ionic Liquid 1-Hexyl-3-methylimidazolium Bromide versus Cosurfactant <i>n</i> -Hexyltrimethylammonium Bromide. Journal of Physical Chemistry B, 2009, 113, 786-793.	1.2	94
7	Interaction between ionic liquid and zwitterionic surfactant: A comparative study of two ionic liquids with different anions. Journal of Colloid and Interface Science, 2009, 331, 196-205.	5.0	80
8	Ionic Liquid-Induced Unprecedented Size Enhancement of Aggregates within Aqueous Sodium Dodecylbenzene Sulfonate. Langmuir, 2010, 26, 17821-17826.	1.6	75
9	Temperature-Dependent Solvatochromic Probe Behavior within Ionic Liquids and (Ionic Liquid +) Tj ETQq1 1 0.784314 rgBT /Overlock 1.2 86	1.2	86
10	Ionic Liquid-Based Optical and Electrochemical Carbon Dioxide Sensors. Sensors, 2015, 15, 30487-30503.	2.1	65
11	Visual Evidence for Formation of Water-in-Ionic Liquid Microemulsions. ChemPhysChem, 2009, 10, 3204-3208.	1.0	54
12	Self-assembly of a short-chain ionic liquid within deep eutectic solvents. RSC Advances, 2018, 8, 7969-7979.	1.7	52
13	Role of the Surfactant Structure in the Behavior of Hydrophobic Ionic Liquids within Aqueous Micellar Solutions. ChemPhysChem, 2010, 11, 1044-1052.	1.0	33
14	Micellization Behavior of Conventional Cationic Surfactants within Glycerol-Based Deep Eutectic Solvent. ACS Omega, 2020, 5, 19350-19362.	1.6	33
15	Interaction Between Ionic Liquids and Gemini Surfactant: A Detailed Investigation into the Role of Ionic Liquids in Modifying Properties of Aqueous Gemini Surfactant. Journal of Surfactants and Detergents, 2016, 19, 75-89.	1.0	29
16	Ethanol-Assisted, Few Nanometer, Water-in-Ionic Liquid Reverse Micelle Formation by a Zwitterionic Surfactant. Chemistry - A European Journal, 2012, 18, 12213-12217.	1.7	26
17	Interaction of Ionic Liquid with Silver Nanoparticles: Potential Application in Induced Structural Changes of Globular Proteins. ACS Sustainable Chemistry and Engineering, 2019, 7, 11088-11100.	3.2	26
18	Hybrid green nonaqueous media: tetraethylene glycol modifies the properties of a (choline chloride +) Tj ETQq0 0 0 rgBT /Overlock 1.7 25	1.7	25

#	ARTICLE	IF	CITATIONS
19	Self-aggregation of bio-surfactants within ionic liquid 1-ethyl-3-methylimidazolium bromide: A comparative study and potential application in antidepressants drug aggregation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 376-386.	2.0	24
20	Study of mixed micellar aqueous solutions of sodium dodecyl sulfate and amino acids. <i>Colloid Journal</i> , 2013, 75, 357-365.	0.5	21
21	Supra-molecular inclusion complexation of ionic liquid 1-butyl-3-methylimidazolium octylsulphate with β - and γ -cyclodextrins. <i>Chemical Physics Letters</i> , 2017, 689, 30-40.	1.2	19
22	Inclusion complexation of imidazolium-based ionic liquid and β -cyclodextrin: A detailed spectroscopic investigation. <i>Journal of Molecular Liquids</i> , 2020, 302, 112530.	2.3	18
23	Physicochemical study of nanoemulsions of aqueous cellulose acetate propionate, cellulose acetate butyrate and tween80 with castor, olive and linseed oils from temperature (293.15 to 313.15) K. <i>Journal of Molecular Liquids</i> , 2017, 225, 758-766.	2.3	16
24	Micellization, anti-proliferative activity and binding study of cationic gemini surfactants with calf thymus DNA. <i>Colloids and Interface Science Communications</i> , 2020, 34, 100221.	2.0	16
25	Ionic liquid induced removal of Rhodamine B from water. <i>Journal of Molecular Liquids</i> , 2020, 319, 114195.	2.3	16
26	Formation of water-in-oil microemulsions within a hydrophobic deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10629-10635.	1.3	14
27	Formulation of biocompatible microemulsions for encapsulation of anti-TB drug rifampicin: A physicochemical and spectroscopic study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128846.	2.3	13
28	Host-guest complexation of ionic liquid with β - and γ -cyclodextrins: a comparative study by $^1\text{H-NMR}$, $^{13}\text{C-NMR}$ and COSY. <i>New Journal of Chemistry</i> , 2018, 42, 14542-14550.	1.4	11
29	A comparative study on the effect of temperature on density, sound velocity and refractive index of nanoemulsions formed by castor, olive and linseed oils in aqueous cellulose acetate propionate and butyrate and Tween80. <i>Thermochimica Acta</i> , 2016, 641, 43-48.	1.2	10
30	Inclusion complexation of novel synthesis amino acid based ionic liquids with β -cyclodextrin. <i>Journal of Molecular Liquids</i> , 2020, 299, 112204.	2.3	10
31	Behavior of lysozyme within ionic liquid-in-water microemulsions. <i>Journal of Molecular Liquids</i> , 2021, 326, 115350.	2.3	10
32	Self-Probing of Micellization within Phenyl-Containing Surfactant Solutions. <i>ChemPhysChem</i> , 2010, 11, 2510-2513.	1.0	9
33	Deep eutectic solvents as modulator on the micellization behaviour of cationic surfactants and potential application in human serum albumin aggregation. <i>Journal of Molecular Liquids</i> , 2021, 344, 117864.	2.3	9
34	Molecular interactions between novel synthesized biodegradable ionic liquids with antidepressant drug. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2021, 3-4, 100012.	0.7	7
35	Mixed Oxime-Functionalized IL/16-s-16 Gemini Surfactants System: Physicochemical Study and Structural Transitions in the Presence of Promethazine as a Potential Chiral Pollutant. <i>Chemosensors</i> , 2022, 10, 46.	1.8	5
36	Properties of aqueous micellar solutions in the presence of ionic liquid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 507, 227-235.	2.3	4

#	ARTICLE	IF	CITATIONS
37	Modifying Properties of Aqueous Micellar Solutions by External Additives: Deep Eutectic Solvent versus Its Constituents. <i>ChemistrySelect</i> , 2018, 3, 12652-12660.	0.7	4
38	Aggregation behavior of a model carbocyanine dye: Polar organic solvent versus ionic liquid mixture. <i>Journal of Molecular Liquids</i> , 2021, 322, 114985.	2.3	3
39	Interaction of an Acid Functionalized Magnetic Ionic Liquid with Gemini Surfactants. <i>Journal of Solution Chemistry</i> , 2020, 49, 715-731.	0.6	2
40	Surfactant Self-Assembly Within Ionic-Liquid-Based Aqueous Systems. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 221-245.	0.4	1
41	Multi-spectroscopic investigation on the inclusion complexation of β -cyclodextrin with long chain ionic liquid. <i>Carbohydrate Research</i> , 2020, 491, 107982.	1.1	1