

# Kamalakanta Behera

## List of Publications by Year in descending order

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41  
papers

1,492  
citations

394286

19  
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315616

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all docs

41  
docs citations

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times ranked

1000  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Behavior of lysozyme within ionic liquid-in-water microemulsions. <i>Journal of Molecular Liquids</i> , 2021, 326, 115350.	2.3	10
6	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
7	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
8	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
9	Inclusion complexation of novel synthesis amino acid based ionic liquids with $\beta$ -cyclodextrin. <i>Journal of Molecular Liquids</i> , 2020, 299, 112204.	2.3	10
10	Ionic liquid induced removal of Rhodamine B from water. <i>Journal of Molecular Liquids</i> , 2020, 319, 114195.	2.3	16
11	Micellization Behavior of Conventional Cationic Surfactants within Glycerol-Based Deep Eutectic Solvent. <i>ACS Omega</i> , 2020, 5, 19350-19362.	1.6	33
12	Interaction of an Acid Functionalized Magnetic Ionic Liquid with Gemini Surfactants. <i>Journal of Solution Chemistry</i> , 2020, 49, 715-731.	0.6	2
13	Inclusion complexation of imidazolium-based ionic liquid and $\beta$ -cyclodextrin: A detailed spectroscopic investigation. <i>Journal of Molecular Liquids</i> , 2020, 302, 112530.	2.3	18
14	Multi-spectroscopic investigation on the inclusion complexation of $\beta$ -cyclodextrin with long chain ionic liquid. <i>Carbohydrate Research</i> , 2020, 491, 107982.	1.1	1
15	Interaction of Ionic Liquid with Silver Nanoparticles: Potential Application in Induced Structural Changes of Globular Proteins. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11088-11100.	3.2	26
16	Self-assembly of a short-chain ionic liquid within deep eutectic solvents. <i>RSC Advances</i> , 2018, 8, 7969-7979.	1.7	52
17	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
18	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

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19	Host-guest complexation of ionic liquid with $\alpha$ - and $\beta$ -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
20	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
21	Supra-molecular inclusion complexation of ionic liquid 1-butyl-3-methylimidazolium octylsulphate with $\alpha$ - and $\beta$ -cyclodextrins. <i>Chemical Physics Letters</i> , 2017, 689, 30-40.	1.2	19
22	Surfactant Self-Assembly Within Ionic-Liquid-Based Aqueous Systems. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 221-245.	0.4	1
23	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
24	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
25	Hybrid green nonaqueous media: tetraethylene glycol modifies the properties of a (choline chloride +) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 2	1.7	25
26	Interaction Between Ionic Liquids and Gemini Surfactant: A Detailed Investigation into the Role of Ionic Liquids in Modifying Properties of Aqueous Gemini Surfactant. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 75-89.	1.0	29
27	Ionic Liquid-Based Optical and Electrochemical Carbon Dioxide Sensors. <i>Sensors</i> , 2015, 15, 30487-30503.	2.1	65
28	Study of mixed micellar aqueous solutions of sodium dodecyl sulfate and amino acids. <i>Colloid Journal</i> , 2013, 75, 357-365.	0.5	21
29	Ethanol-Assisted, Few Nanometer, Water-in-Ionic-Liquid Reverse Micelle Formation by a Zwitterionic Surfactant. <i>Chemistry - A European Journal</i> , 2012, 18, 12213-12217.	1.7	26
30	Role of the Surfactant Structure in the Behavior of Hydrophobic Ionic Liquids within Aqueous Micellar Solutions. <i>ChemPhysChem</i> , 2010, 11, 1044-1052.	1.0	33
31	Self-Probing of Micellization within Phenyl-Containing Surfactant Solutions. <i>ChemPhysChem</i> , 2010, 11, 2510-2513.	1.0	9
32	Temperature-Dependent Solvatochromic Probe Behavior within Ionic Liquids and (Ionic Liquid +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.2	66
33	Ionic Liquid-Induced Unprecedented Size Enhancement of Aggregates within Aqueous Sodium Dodecylbenzene Sulfonate. <i>Langmuir</i> , 2010, 26, 17821-17826.	1.6	75
34	Visual Evidence for Formation of Water-in-Ionic Liquid Microemulsions. <i>ChemPhysChem</i> , 2009, 10, 3204-3208.	1.0	54
35	Interaction between ionic liquid and zwitterionic surfactant: A comparative study of two ionic liquids with different anions. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 196-205.	5.0	80
36	Modifying Properties of Aqueous Cetyltrimethylammonium Bromide with External Additives: Ionic Liquid 1-Hexyl-3-methylimidazolium Bromide versus Cosurfactant <i>n</i> -Hexyltrimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 786-793.	1.2	94

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37	Ionic Liquid Induced Changes in the Properties of Aqueous Zwitterionic Surfactant Solution. <i>Langmuir</i> , 2008, 24, 6462-6469.	1.6	99
38	Unique role of hydrophilic ionic liquid in modifying properties of aqueous Triton X-100. <i>Journal of Chemical Physics</i> , 2007, 127, 184501.	1.2	94
39	Concentration-Dependent Dual Behavior of Hydrophilic Ionic Liquid in Changing Properties of Aqueous Sodium Dodecyl Sulfate. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13307-13315.	1.2	126
40	Effect of added ionic liquid on aqueous Triton X-100 micelles. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 235-245.	5.0	162
41	Modulating properties of aqueous sodium dodecyl sulfate by adding hydrophobic ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 803-814.	5.0	110