

# Soumik Bardhan

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

263  
citations

1040056

9  
h-index

940533

16  
g-index

28  
all docs

28  
docs citations

28  
times ranked

346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physicochemical studies of mixed surfactant microemulsions with isopropyl myristate as oil. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 180-189.	9.4	32
2	Interfacial composition and characterization of a quaternary water-in-oil mixed surfactant (cationic) in presence of inorganic salts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 433, 219-229.	4.7	25
3	Formation, thermodynamic properties, microstructures and antimicrobial activity of mixed cationic/non-ionic surfactant microemulsions with isopropyl myristate as oil. <i>Journal of Colloid and Interface Science</i> , 2014, 430, 129-139.	9.4	24
4	The Schulman Method of Cosurfactant Titration of the Oil/Water Interface (Dilution Method): A Review on a Well-Known Powerful Technique in Interfacial Science for Characterization of Water-in-Oil Microemulsions. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 547-567.	2.1	24
5	A green protocol for the Pd catalyzed ligand free homocoupling reaction of arylboronic acids under ambient conditions. <i>RSC Advances</i> , 2014, 4, 41045-41050.	3.6	22
6	Surface activity and modifying effects of 1-Naphthol, 2-Naphthol and 2,3-Dihydroxynaphthalene on self-assembled nanostructures of 1-Hexadecyl-3-methylimidazolium chloride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 516, 262-273.	4.7	18
7	Physicochemical investigation of mixed surfactant microemulsions: Water solubilization, thermodynamic properties, microstructure, and dynamics. <i>Journal of Colloid and Interface Science</i> , 2013, 411, 152-161.	9.4	17
8	The mixing behaviour of anionic and nonionic surfactant blends in aqueous environment correlates in fatty acid ester medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 331-342.	4.7	11
9	Water solubilization, conductivity and structural characteristics of single and mixed surfactant water-in-oil microemulsions in absence and presence of ionic liquids. <i>Fluid Phase Equilibria</i> , 2014, 361, 237-249.	2.5	10
10	Physicochemical studies of water-in-oil nonionic microemulsion in presence of benzimidazole-based ionic liquid and probing of microenvironment using model C-C cross coupling (Heck) reaction. <i>RSC Advances</i> , 2014, 4, 21000.	3.6	9
11	Synergistic interactions of surfactant blends in aqueous medium are reciprocated in non-polar medium with improved efficacy as a nanoreactor. <i>RSC Advances</i> , 2016, 6, 55104-55116.	3.6	8
12	A Fast and Additive Free C-C Homo/Cross-Coupling Reaction in Reverse Micelle: An Understanding of Role of Surfactant, Water Content and Base on the Product Yield and Reaction Site. <i>ChemistrySelect</i> , 2017, 2, 1079-1088.	1.5	8
13	Thermodynamics of Micellization of Ammoniumdodecyl Sulfate in Aqueous Solutions of Symmetrical Tetraalkylammonium Bromides: Clouding in Presence of Tetrabutylammonium Bromide Salt. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 1220-1229.	2.4	7
14	Effects of water content and oil on physicochemical and microenvironmental properties of mixed surfactant microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 450, 130-140.	4.7	7
15	Unperturbed dimension, interaction parameters, zeta potential and rheology of sodium alginate in binary solvent mixtures. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	7
16	Influence of chemical architecture of oils and ionic liquid on the physicochemical and thermodynamic properties and microenvironment of anionic surfactant based microemulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 117-131.	4.7	6
17	Formation of Oil/Water Interface by Mixed Surface Active Ionic Liquid-Ethoxylated Alkyl Ether: Energetics, Microstructures, Solvation Dynamics, and Antimicrobial Activity. <i>ChemistrySelect</i> , 2016, 1, 6406-6421.	1.5	5
18	Relevance of $\pi$ -stacking in tuning the neighboring structural pattern of soft nano-aggregates. <i>Journal of Molecular Liquids</i> , 2020, 317, 114013.	4.9	5

#	ARTICLE	IF	CITATIONS
19	Structural Transitions at the Water/Oil Interface by Ionic-Liquid-like Surfactant, 1-Butyl-3-methylimidazolium Dioctyl Sulfosuccinate: Measurements and Mechanism. Journal of Physical Chemistry B, 2022, 126, 2014-2026.	2.6	4
20	Benzimidazolium-based high temperature ionic liquid-in-oil microemulsion for regioselective nitration reaction. Journal of Molecular Liquids, 2018, 268, 122-130.	4.9	3
21	Extended H-Bonding through Protic Ionic Liquids Facilitates the Growth and Stability of Water Domains in Hydrophobic Environment. Langmuir, 2020, 36, 15362-15372.	3.5	3
22	Experimental and Theoretical Efforts to Identify the Microstructural Transition of Water to Acetonitrile-Based Reverse Micelle through Binary Compositions of Polar Solvents. ChemistrySelect, 2017, 2, 9760-9771.	1.5	2
23	Unperturbed dimensions and interaction parameters of poly(vinyl alcohol)s in water-acetone and water-tetrahydrofuran mixtures. Journal of Polymer Research, 2015, 22, 1.	2.4	1
24	Unfolding of tryptophanoctyl ester and elastic deformation of host micelles via $\pi$ - $\pi$ interaction: Conceivable relevance to wrapping process of receptor mediated endocytosis. ChemPhysChem, 2021, , .	2.1	1
25	Polarity tuned unusual six-step self assembly of didodecyldimethyl ammonium bromide in acetonitrile. Chemical Physics Letters, 2018, 693, 8-15.	2.6	0