

Biswajit Sarkar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,117
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyhedral Oligomeric Silsesquioxane (POSS)-Containing Polymer Nanocomposites. <i>Nanomaterials</i> , 2012, 2, 445-475.	4.1	328
2	Block copolymer-nanoparticle composites: Structure, functional properties, and processing. <i>Progress in Polymer Science</i> , 2015, 40, 33-62.	24.7	201
3	Advanced Gravity Concentration of Fine Particles: A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2018, 39, 359-394.	5.0	67
4	Adsorption of poly(ethylene oxide)-containing amphiphilic polymers on solid-liquid interfaces: Fundamentals and applications. <i>Advances in Colloid and Interface Science</i> , 2017, 244, 132-163.	14.7	63
5	Micellization of amphiphilic block copolymers in binary and ternary solvent mixtures. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 137-146.	9.4	58
6	Structure and dynamics of dextran in binary mixtures of a good and a bad solvent. <i>Colloid and Polymer Science</i> , 2010, 288, 1301-1312.	2.1	56
7	Micellization of Alkyl-Propoxy-Ethoxylate Surfactants in Water-Polar Organic Solvent Mixtures. <i>Langmuir</i> , 2010, 26, 10532-10540.	3.5	53
8	Adsorption of Pluronic block copolymers on silica nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 422, 155-164.	4.7	49
9	Prediction of separation performance of Floatex Density Separator for processing of fine coal particles. <i>International Journal of Mineral Processing</i> , 2009, 91, 41-49.	2.6	45
10	Study of separation features in floatex density separator for cleaning fine coal. <i>International Journal of Mineral Processing</i> , 2008, 86, 40-49.	2.6	43
11	Self-Assembled Block Copolymer-Nanoparticle Hybrids: Interplay between Enthalpy and Entropy. <i>Langmuir</i> , 2012, 28, 15975-15986.	3.5	36
12	Nanoparticle surface modification by amphiphilic polymers in aqueous media: Role of polar organic solvents. <i>Journal of Colloid and Interface Science</i> , 2013, 397, 1-8.	9.4	24
13	Alkyl Propoxy Ethoxylate Graded Surfactants: Micelle Formation and Structure in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4485-4494.	2.6	19
14	A comparative study of slip velocity models for the prediction of performance of floatex density separator. <i>International Journal of Mineral Processing</i> , 2010, 94, 20-27.	2.6	17
15	Self-Assembly of Amphiphilic Block Copolymers in Ternary Solvent Mixtures: Lyotropic Liquid Crystalline Phase Behavior and Structure. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2514-2528.	2.2	17
16	Efficient Recovery of Combustibles From Coking Coal Fines. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2010, 31, 236-249.	5.0	10
17	Polyhedral Oligosilsesquioxane (POSS) Nanoparticle Localization in Ordered Structures Formed by Solvated Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2716-2724.	2.2	10
18	Mono- and Di-valent Salts as Modifiers of PEO-PPO-PEO Block Copolymer Interactions with Silica Nanoparticles in Aqueous Dispersions. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 1806-1815.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Competitive Adsorption Between PEO-Containing Block Copolymers and Homopolymers at Silica. Journal of Dispersion Science and Technology, 2015, 36, 1-9.	2.4	7
20	POSS-Containing Polyamide-Based Nanocomposites. Springer Series on Polymer and Composite Materials, 2018, , 205-231.	0.7	5
21	Interface modification of POSS-polymer nanocomposites. , 2021, , 53-70.		2