

Asit Baran Mandal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1415061/publications.pdf>

Version: 2024-02-01

32
papers

1,105
citations

567281

15
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1704
citing authors

#	ARTICLE	IF	CITATIONS
1	Incorporations of gold, silver and carbon nanomaterials to kombucha-derived bacterial cellulose: Development of antibacterial leather-like materials. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100278.	2.8	10
2	Interaction between sodium dodecylsulfate (SDS) and pluronic L61 in aqueous medium: assessment of the nature and morphology of the formed mixed aggregates by NMR, EPR, SANS and FF-TEM measurements. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13170-13180.	2.8	6
3	Polyethylene Glycol-Modified Layered Double Hydroxides: Synthesis, Characterization, and Study on Adsorption Characteristics for Removal of Acid Orange II from Aqueous Solution. <i>ACS Omega</i> , 2019, 4, 3745-3754.	3.5	28
4	Investigating the Photocatalytic Performances of Nanocomposites Containing Narrow-band-gap Copolymers and ZnO. <i>ChemistrySelect</i> , 2019, 4, 14214-14221.	1.5	9
5	Polymer brush on surface with tunable hydrophilicity using SAM formation of zwitterionic 4-vinylpyridine-based polymer. <i>New Journal of Chemistry</i> , 2018, 42, 2513-2519.	2.8	6
6	Scalable Synthesis of Hide Substance-“Chitosan”-Hydroxyapatite: Novel Biocomposite from Industrial Wastes and Its Efficiency in Dye Removal. <i>ACS Omega</i> , 2018, 3, 11486-11496.	3.5	37
7	Experimental and Theoretical Investigations of Different Diketopyrrolopyrrole-Based Polymers. <i>ACS Omega</i> , 2018, 3, 11710-11717.	3.5	10
8	Physicochemical Understanding of Self-Aggregation and Microstructure of a Surface-Active Ionic Liquid [C ₄ mim][C ₈ OSO ₃] Mixed with a Reverse Pluronic 10R5 (PO ₈ EO ₂₂ PO ₈). <i>ACS Omega</i> , 2018, 3, 5155-5164.	3.5	13
9	A comparative study of pH-responsive microcapsules from different nanocomposites. <i>Green Materials</i> , 2017, 5, 53-62.	2.1	6
10	“Click”™ polymer of carbon nanotubes for superhydrophobic glass and leather. <i>Green Materials</i> , 2017, 5, 46-52.	2.1	9
11	Vesicle to micelle transition in the ternary mixture of L121/SDS/D ₂ O: NMR, EPR and SANS studies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31747-31755.	2.8	15
12	Total Elimination of Polluting Chrome Shavings, Chrome, and Dye Exhaust Liquors of Tannery by a Method Using Keratin Hydrolysate. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1348-1358.	6.7	25
13	Controlled decoration of the surface with macromolecules: polymerization on a self-assembled monolayer (SAM). <i>Chemical Society Reviews</i> , 2015, 44, 3212-3243.	38.1	75
14	Biotransformation of soybean oil to a self-healing biopolymer. <i>Biocatalysis and Biotransformation</i> , 2015, 33, 29-37.	2.0	0
15	Physicochemical perspectives (aggregation, structure and dynamics) of interaction between pluronic (L31) and surfactant (SDS). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30560-30569.	2.8	29
16	Facile Synthesis of Silver Nanoparticles Decorated Magnetic-Chitosan Microsphere for Efficient Removal of Dyes and Microbial Contaminants. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2291-2302.	6.7	125
17	Nanoscale functionalization of surfaces by graft-through Sonogashira polymerization. <i>RSC Advances</i> , 2015, 5, 4121-4125.	3.6	12
18	Phylogenetic Framework and Biosurfactant Gene Expression Analysis of Marine <i>Bacillus</i> spp. of Eastern Coastal Plain of Tamil Nadu. <i>International Journal of Bacteriology</i> , 2014, 2014, 1-10.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Microbial surfactant mediated degradation of anthracene in aqueous phase by marine <i>Bacillus licheniformis</i> MTCC 5514. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 4, 161-170.	4.4	59
20	Exploring the dual role of β -di-carboxylic acids in the preparation of collagen based biomaterial. <i>Journal of Porous Materials</i> , 2013, 20, 647-661.	2.6	5
21	Adsorption isotherms, kinetics and mechanism for the adsorption of cationic and anionic dyes onto carbonaceous particles prepared from <i>Juglans regia</i> shell biomass. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 231-242.	3.5	285
22	Influence of water-insoluble nonionic copolymer E6P39E6 on the microstructure and self-aggregation dynamics of aqueous SDS solution—NMR and SANS investigations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17577.	2.8	16
23	The Effect of Pimelic Acid Interaction on the Mechanical and Thermal Properties of Chitosan and Collagen. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 572-582.	3.4	18
24	Power Ultrasound Assisted in-situ Reinforcement of Nano-Composite From μ -caprolactam/TiO ₂ . <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 487-492.	1.9	0
25	Suberic Acid Acts as a Dissolving Agent as Well as a Crosslinker for Natural Polymers (Carbohydrate) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 619-629.	2.2	6
26	Amphiphile Behavior in Mixed Solvent Media I: Self-Aggregation and Ion Association of Sodium Dodecylsulfate in 1,4-Dioxane—Water and Methanol—Water Media. <i>Langmuir</i> , 2012, 28, 13830-13843.	3.5	61
27	Click-polymerization on a self-assembled monolayer: a convenient approach to functionalize various surfaces with polytriazoles. <i>Chemical Communications</i> , 2012, 48, 12068.	4.1	24
28	Silver-nano biohybride material: Synthesis, characterization and application in water purification. <i>Bioresource Technology</i> , 2012, 124, 495-499.	9.6	112
29	Adipic acid interaction enhances the mechanical and thermal stability of natural polymers. <i>Journal of Applied Polymer Science</i> , 2012, 125, E490.	2.6	14
30	NMR investigations of self-aggregation characteristics of SDS in a model assembled tri-block copolymer solution. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 154-162.	9.4	40
31	Interaction of poly (ethylene oxide)—poly (propylene oxide)—poly (ethylene oxide) triblock copolymer of molecular weight 2800 with sodium dodecylsulfate (SDS) micelles: some physicochemical studies. <i>Chemical Physics</i> , 2005, 312, 275-287.	1.9	37
32	Adsorption of Acid Dyes on Hydrotalcite-Like Anionic Clays. <i>Key Engineering Materials</i> , 0, 571, 57-69.	0.4	4