

Ajoy Kanti Mondal

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of super hydrophobic aerogels derived from tunicate cellulose nanocrystals. Carbohydrate Research, 2022, 511, 108488.	2.3	12
2	Design of Fe ³⁺ -Rich, High-Conductivity Lignin Hydrogels for Supercapacitor and Sensor Applications. Biomacromolecules, 2022, 23, 766-778.	5.4	32
3	Study on the effect of tunicate cellulose nanocrystals in the preparation of sodium alginate-based enteric capsule. Cellulose, 2022, 29, 2497-2511.	4.9	4
4	Sustainable, superfast deconstruction of natural cellulosic aggregates toward intrinsically green, multifunctional gel. Chemical Engineering Journal, 2022, 435, 134856.	12.7	8
5	Mycelium-Based Composite: The Future Sustainable Biomaterial. International Journal of Biomaterials, 2022, 2022, 1-12.	2.4	31
6	High lignin containing hydrogels with excellent conducting, self-healing, antibacterial, dye adsorbing, sensing, moist-induced power generating and supercapacitance properties. International Journal of Biological Macromolecules, 2022, 207, 48-61.	7.5	22
7	Lignin-containing hydrogels with anti-freezing, excellent water retention and super-flexibility for sensor and supercapacitor applications. International Journal of Biological Macromolecules, 2022, 214, 77-90.	7.5	18
8	Preparation of lignosulfonate ionic hydrogels for supercapacitors, sensors and dye adsorbent applications. International Journal of Biological Macromolecules, 2021, 187, 189-199.	7.5	27
9	Strong, robust cellulose composite film for efficient light management in energy efficient building. Chemical Engineering Journal, 2021, 425, 131469.	12.7	30
10	A cellulose-based nanofiltration membrane with a stable three-layer structure for the treatment of drinking water. Cellulose, 2020, 27, 8237-8253.	4.9	31
11	Conversion of Loblolly pine biomass residues to bio-oil in a two-step process: Fast pyrolysis in the presence of zeolite and catalytic hydrogenation. Industrial Crops and Products, 2020, 148, 112318.	5.2	21
12	Preparation and Characterization of Various Kraft Lignins and Impact on Their Pyrolysis Behaviors. Industrial & Engineering Chemistry Research, 2020, 59, 3310-3320.	3.7	20
13	Study on the Anti-Biodegradation Property of Tunicate Cellulose. Polymers, 2020, 12, 3071.	4.5	9
14	Effect of using regenerated combined FAU and MOR zeolites as catalysts during the pyrolysis of kraft lignin. BioResources, 2020, 16, 417-440.	1.0	6
15	Biogas from slaughter house waste and optimization of the process. Bangladesh Journal of Scientific and Industrial Research, 2016, 51, 203-214.	0.3	3
16	Anaerobic digestion of mixed dried fallen leaves by mixing with cow dung. Bangladesh Journal of Scientific and Industrial Research, 2015, 50, 163-168.	0.3	7
17	Adsorptive Removal of Reactive Black 5 from Aqueous Solution using Chitin Prepared from Shrimp Shells. Bangladesh Pharmaceutical Journal, 2012, 15, 145-152.	0.3	15