

# Ajoy Kanti Mondal

## List of Publications by Year in descending order

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17  
papers

296  
citations

840776

11  
h-index

888059

17  
g-index

18  
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18  
docs citations

18  
times ranked

155  
citing authors

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