

# Ayan Dey

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

263  
citations

1162889

8  
h-index

996849

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and possible solutions to mitigate the problems of single-use plastics used for packaging food items: a review. <i>Journal of Food Science and Technology</i> , 2021, 58, 3251-3269.	1.4	62
2	Electron beam irradiation on monolayer plastic packaging films: Studies on physico-mechanical and thermal properties. <i>Packaging Technology and Science</i> , 2021, 34, 475-483.	1.3	5
3	Tuning the swelling and rheological attributes of bentonite clay modified starch grafted polyacrylic acid based hydrogel. <i>Applied Clay Science</i> , 2020, 185, 105405.	2.6	34
4	Removal of fluoride ion from drinking water by a new Fe(OH) <sub>3</sub> / nano CaO impregnated chitosan composite adsorbent. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1191-1203.	0.6	7
5	Studies on non-coacervated NR-SBR latices reinforced with bentonite clay. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2020, 23, 57-68.	0.4	3
6	Characterization methods. , 2020, , 7-67.		4
7	Adsorptive removal of alcohols from aqueous solutions by N-tertiary-butylacrylamide (NtBA) and acrylic acid co-polymer gel. <i>Materials Today Communications</i> , 2019, 21, 100653.	0.9	2
8	PET Chemistry. , 2019, , 1-22.		10
9	Synthesis/Preparation of Carbon Materials. <i>Springer Series on Polymer and Composite Materials</i> , 2019, , 1-64.	0.5	1
10	Influence of a Biobased Reagent on Properties of Industrial Resin for Printing Ink Application vis-À-vis Comparison with Standard Commercial Resin. <i>Polymers From Renewable Resources</i> , 2018, 9, 59-73.	0.8	4
11	Synthesis of poly(ethylene glycol) di-itaconate and investigation of its influence on acrylamide based hydrogels meant for water treatment. <i>Polymer</i> , 2017, 116, 178-190.	1.8	12
12	Exploration of carboxymethyl guar gum grafted hyperbranched poly(acrylic acid) as a scaffold for silver nanoparticles for ultrafast and selective sensing of Hg( <sup>2+</sup> ). <i>New Journal of Chemistry</i> , 2017, 41, 14379-14389.	1.4	6
13	Tuning of the swelling and dye removal efficacy of poly(acrylamide-AMPS)-based smart hydrogel. <i>Separation Science and Technology</i> , 2017, 52, 743-755.	1.3	13
14	Modifying influences of micro crystalline and nanocellulose on the gelling characteristics of poly(methacrylic acid-co-2-hydroxyethylmethacrylate). <i>RSC Advances</i> , 2016, 6, 12616-12626.	1.7	2
15	Influence of Aloe vera on the properties of N-vinylpyrrolidone-Acrylamide copolymer hydrogel. <i>Materials Chemistry and Physics</i> , 2015, 168, 168-179.	2.0	16
16	Synthesis and characterization of acrylic acid-2-hydroxyethyl methacrylate IPN hydrogels. <i>RSC Advances</i> , 2015, 5, 75870-75880.	1.7	13
17	Sequential amphiphilic and pH responsive hyperbranched copolymer: influence of hyper branching/pendant groups on reversible self assembling from polymersomes to aggregates and usefulness in waste water treatment. <i>RSC Advances</i> , 2015, 5, 102932-102941.	1.7	7
18	Synthesis, Characterization, and drug release study of acrylamide-co-itaconic acid based smart hydrogel. <i>Polymer Engineering and Science</i> , 2015, 55, 113-122.	1.5	35

#	ARTICLE	IF	CITATIONS
19	Smart superabsorbent UV resistant etherified PVA gel: Synthesis and characterization. Journal of Industrial and Engineering Chemistry, 2015, 21, 1219-1230.	2.9	15
20	Studies on Gelling Characteristics of <i>N</i> -Tertiary Butyl Acrylamide-Acrylic Acid Copolymer. Advances in Polymer Technology, 2014, 33, .	0.8	3
21	Influence of diethylene glycol as a porogen in a glyoxal crosslinked polyvinyl alcohol hydrogel. RSC Advances, 2014, 4, 42260-42270.	1.7	9