Ayan Dey

List of Publications by Year
in descending order

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21	263	1162889 8	996849 15
papers	citations	h-index	g-index

21	21	21	342
all docs	docs citations	times ranked	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. Journal of Food Science and Technology, 2021, 58, 3251-3269.	1.4	62
2	Synthesis, Characterization, and drug release study of acrylamideâ€coâ€itaconic acid based smart hydrogel. Polymer Engineering and Science, 2015, 55, 113-122.	1.5	35
3	Tuning the swelling and rheological attributes of bentonite clay modified starch grafted polyacrylic acid based hydrogel. Applied Clay Science, 2020, 185, 105405.	2.6	34
4	Influence of Aloe vera on the properties of N-vinylpyrrolidone-Acrylamide copolymer hydrogel. Materials Chemistry and Physics, 2015, 168, 168-179.	2.0	16
5	Smart superabsorbent UV resistant etherified PVA gel: Synthesis and characterization. Journal of Industrial and Engineering Chemistry, 2015, 21, 1219-1230.	2.9	15
6	Synthesis and characterization of acrylic acid-2-hydroxyethyl methacrylate IPN hydrogels. RSC Advances, 2015, 5, 75870-75880.	1.7	13
7	Tuning of the swelling and dye removal efficacy of poly(acrylamide-AMPS)-based smart hydrogel. Separation Science and Technology, 2017, 52, 743-755.	1.3	13
8	Synthesis of poly(ethylene glycol) di-itaconate and investigation of its influence on acrylamide based hydrogels meant for water treatment. Polymer, 2017, 116, 178-190.	1.8	12
9	PET Chemistry. , 2019, , 1-22.		10
10	Influence of diethylene glycol as a porogen in a glyoxal crosslinked polyvinyl alcohol hydrogel. RSC Advances, 2014, 4, 42260-42270.	1.7	9
11	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. RSC Advances, 2015, 5, 102932-102941.	1.7	7
12	Removal of fluoride ion from drinking water by a new Fe(OH)₃/ nano CaO impregnated chitosan composite adsorbent. Polymer-Plastics Technology and Materials, 2020, 59, 1191-1203.	0.6	7
13	Exploration of carboxymethyl guargum grafted hyperbranched poly(acrylic acid) as a scaffold for silver nanoparticles for ultrafast and selective sensing of Hg(<scp>ii</scp>). New Journal of Chemistry, 2017, 41, 14379-14389.	1.4	6
14	Electron beam irradiation on monolayer plastic packaging films: Studies on physicoâ€mechanical and thermal properties. Packaging Technology and Science, 2021, 34, 475-483.	1.3	5
15	Influence of a Biobased Reagent on Properties of Industrial Resin for Printing Ink Application vis-Ã-vis Comparison with Standard Commercial Resin. Polymers From Renewable Resources, 2018, 9, 59-73.	0.8	4
16	Characterization methods. , 2020, , 7-67.		4
17	Studies on Gelling Characteristics of Nâ€Tertiary Butyl Acrylamideâ€“Acrylic Acid Copolymer. Advances in Polymer Technology, 2014, 33, .	0.8	3
18	Studies on non-coacervated NRâ€“SBR latices reinforced with bentonite clay. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2020, 23, 57-68.	0.4	3

#	Article	IF	Citations
19	Modifying influences of micro crystalline and nanocellulose on the gelling characteristics of poly(methacrylic acid-co-2-hydroxyethylmethacrylate). RSC Advances, 2016, 6, 12616-12626.	1.7	2
20	Adsorptive removal of alcohols from aqueous solutions by N-tertiary-butylacrylamide (NtBA) and acrylic acid co-polymer gel. Materials Today Communications, 2019, 21, 100653.	0.9	2
21	Synthesis/Preparation of Carbon Materials. Springer Series on Polymer and Composite Materials, 2019, , 1-64.	0.5	1