Nazia Rahman

List of Publications by Year
in descending order

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28	288	1039406	940134
papers	citations	9 h-index	16 g-index

29	29	29	412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modification of mechanical and thermal property of chitosanâ€“starch blend films. Radiation Physics and Chemistry, 2012, 81, 1659-1668.	1.4	69
2	Synthesis of Potato Starch-Acrylic-Acid Hydrogels by Gamma Radiation and Their Application in Dye Adsorption. International Journal of Polymer Science, 2016, 2016, 1-11.	1.2	43
3	Acrylic acid-chitosan blend hydrogel: a novel polymer adsorbent for adsorption of lead(II) and copper(II) ions from wastewater. Journal of Polymer Engineering, 2019, 39, 883-891.	0.6	22
4	Synthesis of pectin-N, N-dimethyl acrylamide hydrogel by gamma radiation and application in drug delivery (in vitro). Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 369-376.	1.2	20
5	Preparation and Characterization of the Mechanical Properties of the Photocured Chitosan/Starch Blend Film. Polymer-Plastics Technology and Engineering, 2010, 49, 748-756.	1.9	16
6	Selective Hg(II) adsorption from aqueous solutions of Hg(II) and Pb(II) by hydrolyzed acrylamide-grafted PET films. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 798-806.	0.9	14
7	Preparation and Characterization of an Alginate/Clay Nanocomposite for Optoelectronic Application. Advanced Materials Research, 0, 123-125, 751-754.	0.3	13
8	Preparation and Characterization of Iminodiacetate Group Containing Nonwoven Polyethylene Fabrics and Its Application in Chromium Adsorption. Journal of Polymers and the Environment, 2018, 26, 740-748.	2.4	13
9	Removal of Cu(II), Pb(II) and Cr(VI) ions from aqueous solution using amidoximated non-woven polyethylene-g-acrylonitrile fabric. Journal of Environmental Health Science & Engineering, 2019, 17, 183-194.	1.4	12
10	Efficient removal of methyl orange from aqueous solution using amidoxime adsorbent. International Journal of Environmental Studies, 2019, 76, 594-607.	0.7	12
11	Preparation of gelatin/poly(vinyl alcohol) film modified by methyl methacrylate and gamma irradiation. International Journal of Polymer Analysis and Characterization, 2016, 21, 513-523.	0.9	9
12	Modification of Gelatin Films Using Trimethylolpropane Trimethacrylate (TMPTMA) by Photo-Curing. Polymer-Plastics Technology and Engineering, 2011, 50, 404-411.	1.9	8
13	Selective Cu(II) Adsorption from Aqueous Solutions Including Cu(II), Co(II), and Ni(II) by Modified Acrylic Acid Grafted PET Film. ISRN Polymer Science, 2013, 2013, 1-9.	0.3	6
14	The effect of hot DMSO treatment on the Î³-ray-induced grafting of acrylamide onto PET films. Polymer Journal, 2014, 46, 412-421.	1.3	6
15	Study on the Water-Aging Properties of Gelatin-Glucose and Gelatin-Urea Films: The Effect of Gamma Radiation. Polymer-Plastics Technology and Engineering, 2010, 49, 1458-1462.	1.9	4
16	Synthesis and implication of grafted polymeric adsorbent for heavy metal removal. SN Applied Sciences, 2020, 2, 1.	1.5	4
17	Pre-irradiation grafting of acrylic acid and sodium styrene sulfonate on non-woven polyethylene fabric for heavy metal removal. Environmental Research and Technology, 2021, 4, 63-72.	0.8	4
18	Preparation of Amidoxime Adsorbent by Radiation Induced Grafting of Acrylonitrile on Polyethylene Film and Its Application in Cr(VI) Removal. Journal of Physical Science, 2018, 29, 65-88.	0.5	3

#	Article	IF	Citations
19	Preparation and Characterization of Gamma Radiation Cured Gelatin-PVA Bio-Blend. Advanced Materials Research, 2010, 123-125, 347-350.	0.3	2
20	UV radiation induced graft copolymerization of allyl acetate onto poly(ethylene terephthalate) (PET) films for fuel cell membranes. Chinese Journal of Polymer Science (English Edition), 2012, 30, 227-234.	2.0	2
21	Photocuring of Gelatin Films with TMPTMA: Effect on Aging Properties. Advanced Materials Research, 2010, 123-125, 343-346.	0.3	1
22	Effect of UV and Gamma Radiation on the Mechanical and Degradation Properties of LLDPE-Clay Composites. Advanced Materials Research, 2010, 123-125, 415-418.	0.3	1
23	Effect of Oxidizing Agents on Thermo-Mechanical Behavior of Jute Fabric-Reinforced Polypropylene Composites. Advanced Materials Research, 2010, 123-125, 1127-1130.	0.3	1
24	Application of Sulfonated GMA-g-non Woven PE Fabric for the Efficient Removal of Methylene Blue Dye from Wastewater. American Journal of Polymer Science and Technology, 2021, 7, 1.	0.6	1
25	Radiation technology for the modification of textiles. , 2021, , 407-438.		1
26	Application of radiation grafted waste polypropylene fabric for the effective removal of Cu (II) and Cr (III) ions. Journal of Polymer Engineering, 2022, 42, 266-276.	0.6	1
27	Characterization of Polyethylenetarepthalate (PET) Based Proton Exchange Membranes Prepared by UV Radiation Induced Graft Copolymerization. Advanced Materials Research, 2010, 123-125, 1071-1074.	0.3	0
28	Preparation and Characterization of Radiation Grafted Proton Exchange Membranes of LLDPE. Advanced Materials Research, 2010, 123-125, 1091-1094.	0.3	0