Kunj Behari

List of Publications by Year
in descending order

54 papers	1,152 citations	361045 20 h-index	433756 31 g-index
54 all docs	54 docs citations	54 times ranked	837 citing authors

#	Article	IF	Citations
1	Modification of alginate by grafting of N-vinyl-2-pyrrolidone and studies of physicochemical properties in terms of swelling capacity, metal-ion uptake and flocculation. Carbohydrate Polymers, 2010, 80, 1147-1154.	5.1	65
2	Graft copolymerization of acrylic acid onto guar gum initiated by vanadium (V)â€“mercaptosuccinic acid redox pair. Carbohydrate Polymers, 2006, 65, 414-420.	5.1	54
3	Preparation and characterization of modified sodium carboxymethyl cellulose via free radical graft copolymerization of vinyl sulfonic acid in aqueous media. Carbohydrate Polymers, 2010, 81, 97-103.	5.1	52
4	Graft copolymer (chitosan-g-N-vinyl formamide): Synthesis and study of its properties like swelling, metal ion uptake and flocculation. Carbohydrate Polymers, 2008, 74, 632-639.	5.1	49
5	Synthesis, characterization and applications of graft copolymer (Chitosan-g-N,N-dimethylacrylamide). Carbohydrate Polymers, 2010, 79, 40-46.	5.1	45
6	Synthesis of partially carboxymethylated guar gum-g-4-vinyl pyridine and study of its water swelling, metal ion sorption and flocculation behaviour. Carbohydrate Polymers, 2008, 72, 462-472.	5.1	43
7	Graft copolymerization of N-vinylformamide onto sodium carboxymethylcellulose and study of its swelling, metal ion sorption and flocculation behaviour. Carbohydrate Polymers, 2009, 75, 604-611.	5.1	42
8	Graft copolymerization of 2-Acrylamidoglycolic acid on to xanthan gum and study of its physicochemical properties. Carbohydrate Polymers, 2010, 81, 626-632.	5.1	39
9	Synthesis and characterization of polysaccharide based graft copolymer by using potassium peroxymonosulphate/ascorbic acid as an efficient redox initiator in inert atmosphere. Journal of Applied Polymer Science, 2009, 112, 1407-1415.	1.3	38
10	Synthesis and properties of a water soluble graft (chitosan-g-2-acrylamidoglycolic acid) copolymer. International Journal of Biological Macromolecules, 2012, 50, 1306-1314.	3.6	35
11	Graft copolymerization of N-vinyl-2-pyrrolidone onto chitosan: Synthesis, characterization and study of physicochemical properties. Carbohydrate Polymers, 2010, 80, 790-798.	5.1	34
12	Synthesis of partially hydrolyzed graft copolymer (H-partially carboxymethylated guar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (gur	5.1	34
13	Free radical graft copolymerization of N-vinyl-2-pyrrolidone onto k-carrageenan in aqueous media and applications. Carbohydrate Polymers, 2010, 82, 424-431.	5.1	33
14	Graft copolymerization of acrylic acid onto guar gum. Journal of Applied Polymer Science, 2000, 77, 39-44.	1.3	30
15	Modification of guar gum through grafting of 4â€vinyl pyridine using potassium peroxymonosulphate/ascorbic acid redox pair. Journal of Applied Polymer Science, 2007, 106, 1353-1358.	1.3	30
16	Modification of alginate through the grafting of 2-acrylamidoglycolic acid and study of physicochemical properties in terms of swelling capacity, metal ion sorption, flocculation and biodegradability. Carbohydrate Polymers, 2011, 84, 83-89.	5.1	29
17	Guar gum-g-N,Nâ€²-dimethylacrylamide: Synthesis, characterization and applications. Carbohydrate Polymers, 2014, 99, 284-290.	5.1	27
18	Synthesis and characterization of graft copolymer (guar gumâ€“gâ€“N-vinyl-2-pyrrolidone) and investigation of metal ion sorption and swelling behavior. Journal of Applied Polymer Science, 2006, 100, 2480-2489.	1.3	26

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19	Synthesis and characterization of alginateâ€gâ€vinyl sulfonic acid with a potassium peroxydiphosphate/thiourea system. Journal of Applied Polymer Science, 2010, 118, 3685-3694.	1.3	23
20	Synthesis and characterization of chitosanâ€gâ€methacrylic acid and studies of its additional physicochemical properties, such as swelling, metalâ€ion sorption, and flocculation behavior. Journal of Applied Polymer Science, 2009, 113, 2429-2439.	1.3	21
21	Graft copolymerization of acrylic acid onto xanthum gum using a potassium monopersulfate/Fe2+ redox pair. Journal of Applied Polymer Science, 2003, 89, 1341-1346.	1.3	20
22	One pot synthesis of xanthan gum-g-N-vinyl-2-pyrrolidone and study of their metal ion sorption behavior and water swelling property. Journal of Applied Polymer Science, 2009, 111, 2872-2880.	1.3	20
23	Synthesis, characterization and applications of graft copolymer (Îº-carrageenan-g-vinylsulfonic acid). International Journal of Biological Macromolecules, 2012, 50, 826-832.	3.6	20
24	Grafting of N-(hydroxymethyl) acrylamide on to Îº-carrageenan: Synthesis, characterization and applications. Carbohydrate Polymers, 2014, 102, 590-597.	5.1	20
25	Studies on graft copolymerization of 2-acrylamidoglycolic acid on to partially carboxymethylated guar gum and physico-chemical properties. Carbohydrate Polymers, 2011, 83, 14-21.	5.1	19
26	Synthesis of graft copolymer (CmgOH-g-NVP) and study of physicochemical properties: Characterization and application. Carbohydrate Polymers, 2011, 83, 1749-1756.	5.1	19
27	Graft (partially carboxymethylated guar gum-g-poly vinyl sulfonic acid) copolymer: From synthesis to applications. Carbohydrate Polymers, 2013, 97, 597-603.	5.1	19
28	Synthesis and study of metal ion sorption capacity of xanthan gum-g-2-acrylamido-2-methyl-1-propane sulphonic acid. Journal of Applied Polymer Science, 2007, 104, 470-478.	1.3	18
29	Modification of Îºâ€carrageenan by graft copolymerization of methacrylic acid: Synthesis and applications. Journal of Applied Polymer Science, 2009, 114, 3896-3905.	1.3	18
30	Studies on graft copolymerization of gellan gum with N,N-dimethylacrylamide by the redox system. International Journal of Biological Macromolecules, 2014, 70, 108-115.	3.6	18
31	Synthesis and characterization of xanthan gum-g-N-vinyl formamide with a potassium monopersulfate/Ag(I) system. Journal of Applied Polymer Science, 2006, 101, 1637-1645.	1.3	17
32	Graft copolymerization of methacrylic acid onto xanthan gum by Fe2+/H2O2 redox initiator. Journal of Applied Polymer Science, 2007, 105, 1922-1929.	1.3	17
33	A study toward the physicochemical properties of graft copolymer (partially carboxymethylated guar) Tj ETQq1 1 0.784314 rgBT /Ove Polymer Science, 2010, 117, 974-981.	1.3	16
34	Graft [partially carboxymethylated guar gum-g-poly N-(hydroxymethyl) acrylamide] copolymer: From synthesis to applications. Carbohydrate Polymers, 2014, 110, 285-291.	5.1	16
35	Cu+2/mandelic acid redox pair initiated graft copolymerization acrylamide onto guar gum. Journal of Applied Polymer Science, 1999, 71, 739-745.	1.3	14
36	Synthesis and characterization of a novel graft copolymer of partially carboxymethylated guar gum and N-vinylformamide. Carbohydrate Polymers, 2015, 115, 776-784.	5.1	14

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37	Studies of graft copolymerization of acrylamide onto guar gum using peroxydiphosphate-metabisulphite redox pair. Polymer International, 2000, 49, 153-157.	1.6	13
38	Studies on graft copolymerization of 4-vinylpyridine onto guar gum. Journal of Applied Polymer Science, 2002, 84, 2380-2385.	1.3	13
39	Graft copolymerization of 2-acrylamido-2-methyl-1-propanesulphonic acid onto carboxymethylcellulose (sodium salt) using bromate/thiourea redox pair. Journal of Applied Polymer Science, 2006, 100, 26-34.	1.3	13
40	Polymerization of acrylamide and methacrylamide initiated by a potassium peroxydiphosphate/Mn(II) system. Polymer International, 1998, 46, 126-130.	1.6	12
41	Synthesis, Characterization and Study of Metal Ion Sorption Capacity and Water Swelling Behavior of Xanthan Gumâ€gâ€N,Nâ€²â€Dimethylacrylamide. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 453-462.	1.2	9
42	Modification of dextran through the grafting of Nâ€vinylâ€2â€pyrrolidone and studies of physicochemical phenomena in terms of metalâ€ion uptake, swelling capacity, and flocculation. Journal of Applied Polymer Science, 2008, 110, 3455-3463.	1.3	9
43	Studies on Graft Copolymerization of Nâ€Vinylâ€2â€pyrrolidone on to Carboxymethylcellulose (Sodium) Tj ETQq1 1 0.784314 rgBT /Ov Chemistry, 2006, 43, 1065-1081.	1.2	8
44	Modification of natural polymer via free radical graft copolymerization of 2-acrylamido-2-methyl-1-propane sulfonic acid in aqueous media and study of swelling and metal ion sorption behavior. Journal of Applied Polymer Science, 2009, 114, 1426-1434.	1.3	7
45	Graft copolymerization of 2-acrylamido-2-methyl-1-propanesulfonic acid onto carboxymethylcellulose (sodium salt) by H2O2/Fe+2 redox pair. Journal of Applied Polymer Science, 2006, 100, 4819-4825.	1.3	6
46	Synthesis and characterization of graft copolymer (alginate-g-poly(N,N-dimethylacrylamide)). Chinese Journal of Polymer Science (English Edition), 2010, 28, 673-683.	2.0	6
47	Synthesis of graft copolymer (CgOH-g-AGA): Physicochemical properties, characterization and application. Carbohydrate Polymers, 2012, 90, 901-907.	5.1	6
48	One-pot synthesis of a polysaccharide-based graft copolymer with an efficient redox pair (Fe2+/BrO3âˆ’). Journal of Applied Polymer Science, 2008, 107, 2883-2891.	1.3	5
49	Alginic acidâ€gâ€poly(Nâ€vinylformamide) graft copolymer: Synthesis, characerization, swelling, and flocculation property. Journal of Applied Polymer Science, 2011, 121, 1400-1407.	1.3	3
50	N,Nâ€²-Methylenebisacrylamide polymerization initiated by Ce(IV)â€"Malic acid redox systemâ€"A kinetic study. Polymer International, 1993, 31, 235-238.	1.6	2
51	Intraâ€"intermolecular gel-free cyclopolymerization of nonconjugated diene with peroxodiphosphate/different activators redox pairs. Journal of Polymer Science Part A, 1993, 31, 1449-1452.	2.5	2
52	Polymerization of Acrylamide by Peroxodiphosphate/Different Activators Redox Systemin an Aqueous Medium. Journal of Macromolecular Science - Pure and Applied Chemistry, 1994, 31, 383-394.	1.2	2
53	Effect of substitution on reactivity of some alkyl halides in the reaction with sodium thiosulphate. Journal FÃ¼r Praktische Chemie, 1972, 314, 822-826.	0.2	1
54	Ruthenium(VI)-catalysed oxidation of diols by alkaline hexacyanoferrate(III) ion. A kinetic study. Transition Metal Chemistry, 1998, 23, 439-441.	0.7	1