Kunj Behari

List of Publications by Citations

54 papers	991 citations	19 h-index	27 g-index
54 ext. papers	1,050 ext. citations	5.8 avg, IF	4.12 L-index

#	Paper	IF	Citations
54	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	10.3	54
53	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	10.3	49
52	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	10.3	46
51	Graft copolymerization of acrylic acid onto guar gum initiated by vanadium (V)–mercaptosuccinic acid redox pair. *Carbohydrate Polymers*, **2006**, 65, 414-420	10.3	45
50	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	10.3	39
49	Synthesis, characterization and applications of graft copolymer (Chitosan-g-N,N-dimethylacrylamide). *Carbohydrate Polymers*, **2010**, 79, 40-46	10.3	37
48	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	2.9	35
47	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	10.3	35
46	Graft copolymerization of N-vinyl-2-pyrrolidone onto chitosan: Synthesis, characterization and study of physicochemical properties. *Carbohydrate Polymers*, **2010**, 80, 790-798	10.3	32
45	Graft copolymerization of 2-Acrylamidoglycolic acid on to xanthan gum and study of its physicochemical properties. *Carbohydrate Polymers*, **2010**, 81, 626-632	10.3	32
44	Synthesis and properties of a water soluble graft (chitosan-g-2-acrylamidoglycolic acid) copolymer. *International Journal of Biological Macromolecules*, **2012**, 50, 1306-14	7.9	30
43	Graft copolymerization of acrylic acid onto guar gum. *Journal of Applied Polymer Science*, **2000**, 77, 39-44	2.9	28
42	Synthesis of partially hydrolyzed graft copolymer (H-partially carboxymethylated guar gum-g-methacrylic acid): A superabsorbing material. *Carbohydrate Polymers*, **2011**, 85, 29-36	10.3	27
41	Free radical graft copolymerization of N-vinyl-2-pyrrolidone onto k-carrageenan in aqueous media and applications. *Carbohydrate Polymers*, **2010**, 82, 424-431	10.3	27
40	Guar gum-g-N,N–dimethylacrylamide: synthesis, characterization and applications. *Carbohydrate Polymers*, **2014**, 99, 284-90	10.3	24
39	Modification of guar gum through grafting of 4-vinyl pyridine using potassium peroxymonosulphate/ascorbic acid redox pair. *Journal of Applied Polymer Science*, **2007**, 106, 1353-1358	2.9	24
38	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	10.3	23

37	Synthesis and characterization of graft copolymer (guar gum-g-N-vinyl-2-pyrrolidone) and investigation of metal ion sorption and swelling behavior. *Journal of Applied Polymer Science*, **2006**, 100, 2480-2489	2.9	22
36	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	2.9	20
35	Synthesis, characterization and applications of graft copolymer (-carrageenan-g-vinylsulfonic acid). *International Journal of Biological Macromolecules*, **2012**, 50, 826-32	7.9	19
34	Synthesis and characterization of chitosan-g-methacrylic acid and studies of its additional physicochemical properties, such as swelling, metal-ion sorption, and flocculation behavior. *Journal of Applied Polymer Science*, **2009**, 113, 2429-2439	2.9	19
33	Grafting of N-(hydroxymethyl) acrylamide on to -carrageenan: synthesis, characterization and applications. *Carbohydrate Polymers*, **2014**, 102, 590-7	10.3	18
32	Synthesis of graft copolymer (CmgOH-g-NVP) and study of physicochemical properties: Characterization and application. *Carbohydrate Polymers*, **2011**, 83, 1749-1756	10.3	18
31	Studies on graft copolymerization of 2-acrylamidoglycolic acid on to partially carboxymethylated guar gum and physico-chemical properties. *Carbohydrate Polymers*, **2011**, 83, 14-21	10.3	16
30	Graft copolymerization of acrylic acid onto xanthum gum using a potassium monopersulfate/Fe2+ redox pair. *Journal of Applied Polymer Science*, **2003**, 89, 1341-1346	2.9	16
29	Graft [partially carboxymethylated guar gum-g-poly N-(hydroxymethyl) acrylamide] copolymer: from synthesis to applications. *Carbohydrate Polymers*, **2014**, 110, 285-91	10.3	15
28	Modification of -carrageenan by graft copolymerization of methacrylic acid: Synthesis and applications. *Journal of Applied Polymer Science*, **2009**, 114, 3896-3905	2.9	15
27	A study toward the physicochemical properties of graft copolymer (partially carboxymethylated guar gum-g-N,N?-dimethylacrylamide): Synthesis and characterization. *Journal of Applied Polymer Science*, **2010**, 117, 974-981	2.9	15
26	Graft (partially carboxymethylated guar gum-g-poly vinyl sulfonic acid) copolymer: from synthesis to applications. *Carbohydrate Polymers*, **2013**, 97, 597-603	10.3	14
25	Synthesis and characterization of alginate-g-vinyl sulfonic acid with a potassium peroxydiphosphate/thiourea system. *Journal of Applied Polymer Science*, **2010**, 118, 3685-3694	2.9	14
24	Graft copolymerization of methacrylic acid onto xanthan gum by Fe2+/H2O2 redox initiator. *Journal of Applied Polymer Science*, **2007**, 105, 1922-1929	2.9	14
23	Cu+2/mandelic acid redox pair initiated graft copolymerization acrylamide onto guar gum. *Journal of Applied Polymer Science*, **1999**, 71, 739-745	2.9	14
22	Studies on graft copolymerization of gellan gum with N,N-dimethylacrylamide by the redox system. *International Journal of Biological Macromolecules*, **2014**, 70, 108-15	7.9	13
21	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	2.9	13
20	Studies of graft copolymerization of acrylamide onto guar gum using peroxydiphosphate-metabisulphite redox pair. *Polymer International*, **2000**, 49, 153-157	3.3	13

19	Synthesis and characterization of a novel graft copolymer of partially carboxymethylated guar gum and N-vinylformamide. *Carbohydrate Polymers*, **2015**, 115, 776-84	10.3	12
18	Polymerization of acrylamide and methacrylamide initiated by a potassium peroxydiphosphate/Mn(II) system. *Polymer International*, **1998**, 46, 126-130	3.3	12
17	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	2.9	12
16	Studies on graft copolymerization of 4-vinylpyridine onto guar gum. *Journal of Applied Polymer Science*, **2002**, 84, 2380-2385	2.9	12
15	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	2.9	11
14	Modification of dextran through the grafting of N-vinyl-2-pyrrolidone and studies of physicochemical phenomena in terms of metal-ion uptake, swelling capacity, and flocculation. *Journal of Applied Polymer Science*, **2008**, 110, 3455-3463	2.9	8
13	Studies on Graft Copolymerization of N-Vinyl-2-pyrrolidone on to Carboxymethylcellulose (Sodium Salt) and Metal Ion Sorption Behavior. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2006**, 43, 1065-1081	2.2	8
12	Synthesis, Characterization and Study of Metal Ion Sorption Capacity and Water Swelling Behavior of Xanthan Gum-g-N,N?-Dimethylacrylamide. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2007**, 44, 453-462	2.2	7
11	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	2.9	6
10	Synthesis and characterization of graft copolymer (alginate-g-poly(N,N-dimethylacrylamide)). *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 673-683	3.5	6
9	One-pot synthesis of a polysaccharide-based graft copolymer with an efficient redox pair (Fe2+/BrO3]1 *Journal of Applied Polymer Science*, **2008**, 107, 2883-2891	2.9	5
8	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	2.9	5
7	Synthesis of graft copolymer (CgOH-g-AGA): physicochemical properties, characterization and application. *Carbohydrate Polymers*, **2012**, 90, 901-7	10.3	4
6	Alginic acid-g-poly(N-vinylformamide) graft copolymer: Synthesis, characerization, swelling, and flocculation property. *Journal of Applied Polymer Science*, **2011**, 121, 1400-1407	2.9	2
5	N,N?-Methylenebisacrylamide polymerization initiated by Ce(IV)Malic acid redox systemA kinetic study. *Polymer International*, **1993**, 31, 235-238	3.3	2
4	Intra?ntermolecular 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
3	Ruthenium(VI)-catalysed oxidation of diols by alkaline hexacyanoferrate(III) ion. A kinetic study. *Transition Metal Chemistry*, **1998**, 23, 439-441	2.1	1
2	Polymerization of Acrylamide by Peroxodiphosphate/Different Activators Redox Systemin an Aqueous Medium. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **1994**, 31, 383-394	2.2	1

1. Effect of substitution on reactivity of some alkyl halides in the reaction with sodium thiosulphate. *Journal F□ Praktische Chemie*, **1972**, 314, 822-826