

Kunj Behari

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Synthesis and characterization of a novel graft copolymer of partially carboxymethylated guar gum and N-vinylformamide. <i>Carbohydrate Polymers</i> , 2015 , 115, 776-84	10.3	12
53	Studies on graft copolymerization of gellan gum with N,N-dimethylacrylamide by the redox system. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 108-15	7.9	13
52	Grafting of N-(hydroxymethyl) acrylamide on to κ -carrageenan: synthesis, characterization and applications. <i>Carbohydrate Polymers</i> , 2014 , 102, 590-7	10.3	18
51	Guar gum-g-N,N-dimethylacrylamide: synthesis, characterization and applications. <i>Carbohydrate Polymers</i> , 2014 , 99, 284-90	10.3	24
50	Graft [partially carboxymethylated guar gum-g-poly N-(hydroxymethyl) acrylamide] copolymer: from synthesis to applications. <i>Carbohydrate Polymers</i> , 2014 , 110, 285-91	10.3	15
49	Graft (partially carboxymethylated guar gum-g-poly vinyl sulfonic acid) copolymer: from synthesis to applications. <i>Carbohydrate Polymers</i> , 2013 , 97, 597-603	10.3	14
48	Synthesis, characterization and applications of graft copolymer (κ -carrageenan-g-vinylsulfonic acid). <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 826-32	7.9	19
47	Synthesis and properties of a water soluble graft (chitosan-g-2-acrylamidoglycolic acid) copolymer. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 1306-14	7.9	30
46	Synthesis of graft copolymer (CgOH-g-AGA): physicochemical properties, characterization and application. <i>Carbohydrate Polymers</i> , 2012 , 90, 901-7	10.3	4
45	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. <i>Carbohydrate Polymers</i> , 2011 , 84, 83-89	10.3	23
44	Alginate-g-poly(N-vinylformamide) graft copolymer: Synthesis, characterization, swelling, and flocculation property. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 1400-1407	2.9	2
43	Studies on graft copolymerization of 2-acrylamidoglycolic acid on to partially carboxymethylated guar gum and physico-chemical properties. <i>Carbohydrate Polymers</i> , 2011 , 83, 14-21	10.3	16
42	Synthesis of graft copolymer (CmgOH-g-NVP) and study of physicochemical properties: Characterization and application. <i>Carbohydrate Polymers</i> , 2011 , 83, 1749-1756	10.3	18
41	Synthesis of partially hydrolyzed graft copolymer (H-partially carboxymethylated guar gum-g-methacrylic acid): A superabsorbing material. <i>Carbohydrate Polymers</i> , 2011 , 85, 29-36	10.3	27
40	Synthesis and characterization of graft copolymer (alginate-g-poly(N,N-dimethylacrylamide)). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010 , 28, 673-683	3.5	6
39	A study toward the physicochemical properties of graft copolymer (partially carboxymethylated guar gum-g-N,N-dimethylacrylamide): Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2010 , 117, 974-981	2.9	15
38	Synthesis and characterization of alginate-g-vinyl sulfonic acid with a potassium peroxydiphosphate/thiourea system. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 3685-3694	2.9	14

37	Synthesis, characterization and applications of graft copolymer (Chitosan-g-N,N-dimethylacrylamide). <i>Carbohydrate Polymers</i> , 2010 , 79, 40-46	10.3	37
36	Graft copolymerization of N-vinyl-2-pyrrolidone onto chitosan: Synthesis, characterization and study of physicochemical properties. <i>Carbohydrate Polymers</i> , 2010 , 80, 790-798	10.3	32
35	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. <i>Carbohydrate Polymers</i> , 2010 , 80, 1147-1154	10.3	54
34	Preparation and characterization of modified sodium carboxymethyl cellulose via free radical graft copolymerization of vinyl sulfonic acid in aqueous media. <i>Carbohydrate Polymers</i> , 2010 , 81, 97-103	10.3	49
33	Graft copolymerization of 2-Acrylamidoglycolic acid on to xanthan gum and study of its physicochemical properties. <i>Carbohydrate Polymers</i> , 2010 , 81, 626-632	10.3	32
32	Free radical graft copolymerization of N-vinyl-2-pyrrolidone onto k-carrageenan in aqueous media and applications. <i>Carbohydrate Polymers</i> , 2010 , 82, 424-431	10.3	27
31	One pot synthesis of xanthan gum-g-N-vinyl-2-pyrrolidone and study of their metal ion sorption behavior and water swelling property. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 2872-2880	2.9	20
30	Synthesis and characterization of polysaccharide based graft copolymer by using potassium peroxymonosulphate/ascorbic acid as an efficient redox initiator in inert atmosphere. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 1407-1415	2.9	35
29	Synthesis and characterization of chitosan-g-methacrylic acid and studies of its additional physicochemical properties, such as swelling, metal-ion sorption, and flocculation behavior. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 2429-2439	2.9	19
28	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. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1426-1434	2.9	6
27	Modification of Carrageenan by graft copolymerization of methacrylic acid: Synthesis and applications. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 3896-3905	2.9	15
26	Graft copolymerization of N-vinylformamide onto sodium carboxymethylcellulose and study of its swelling, metal ion sorption and flocculation behaviour. <i>Carbohydrate Polymers</i> , 2009 , 75, 604-611	10.3	39
25	One-pot synthesis of a polysaccharide-based graft copolymer with an efficient redox pair (Fe ²⁺ /BrO ₃ ⁻). <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2883-2891	2.9	5
24	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. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3455-3463	2.9	8
23	Synthesis of partially carboxymethylated guar gum-g-4-vinyl pyridine and study of its water swelling, metal ion sorption and flocculation behaviour. <i>Carbohydrate Polymers</i> , 2008 , 72, 462-472	10.3	35
22	Graft copolymer (chitosan-g-N-vinyl formamide): Synthesis and study of its properties like swelling, metal ion uptake and flocculation. <i>Carbohydrate Polymers</i> , 2008 , 74, 632-639	10.3	46
21	Synthesis and study of metal ion sorption capacity of xanthan gum-g-2-acrylamido-2-methyl-1-propane sulphonic acid. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 470-478	2.9	11
20	Graft copolymerization of methacrylic acid onto xanthan gum by Fe ²⁺ /H ₂ O ₂ redox initiator. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 1922-1929	2.9	14

19	Modification of guar gum through grafting of 4-vinyl pyridine using potassium peroxymonosulphate/ascorbic acid redox pair. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1353-1358	2.9	24
18	Synthesis, Characterization and Study of Metal Ion Sorption Capacity and Water Swelling Behavior of Xanthan Gum-g-N,N'-Dimethylacrylamide. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007 , 44, 453-462	2.2	7
17	Graft copolymerization of 2-acrylamido-2-methyl-1-propanesulfonic acid onto carboxymethylcellulose (sodium salt) by H ₂ O ₂ /Fe ²⁺ redox pair. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4819-4825	2.9	5
16	Graft copolymerization of 2-acrylamido-2-methyl-1-propanesulphonic acid onto carboxymethylcellulose (sodium salt) using bromate/thiourea redox pair. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 26-34	2.9	13
15	Synthesis and characterization of graft copolymer (guar gum-g-N-vinyl-2-pyrrolidone) and investigation of metal ion sorption and swelling behavior. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2480-2489	2.9	22
14	Synthesis and characterization of xanthan gum-g-N-vinyl formamide with a potassium monopersulfate/Ag(I) system. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 1637-1645	2.9	12
13	Studies on Graft Copolymerization of N-Vinyl-2-pyrrolidone on to Carboxymethylcellulose (Sodium Salt) and Metal Ion Sorption Behavior. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1065-1081	2.2	8
12	Graft copolymerization of acrylic acid onto guar gum initiated by vanadium (V) mercaptosuccinic acid redox pair. <i>Carbohydrate Polymers</i> , 2006 , 65, 414-420	10.3	45
11	Graft copolymerization of acrylic acid onto xanthum gum using a potassium monopersulfate/Fe ²⁺ redox pair. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1341-1346	2.9	16
10	Studies on graft copolymerization of 4-vinylpyridine onto guar gum. <i>Journal of Applied Polymer Science</i> , 2002 , 84, 2380-2385	2.9	12
9	Studies of graft copolymerization of acrylamide onto guar gum using peroxydiphosphate/metabisulphite redox pair. <i>Polymer International</i> , 2000 , 49, 153-157	3.3	13
8	Graft copolymerization of acrylic acid onto guar gum. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 39-44	2.9	28
7	Cu ²⁺ /mandelic acid redox pair initiated graft copolymerization acrylamide onto guar gum. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 739-745	2.9	14
6	Ruthenium(VI)-catalysed oxidation of diols by alkaline hexacyanoferrate(III) ion. A kinetic study. <i>Transition Metal Chemistry</i> , 1998 , 23, 439-441	2.1	1
5	Polymerization of acrylamide and methacrylamide initiated by a potassium peroxydiphosphate/Mn(II) system. <i>Polymer International</i> , 1998 , 46, 126-130	3.3	12
4	Polymerization of Acrylamide by Peroxodiphosphate/Different Activators Redox System in an Aqueous Medium. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994 , 31, 383-394	2.2	1
3	N,N'-Methylenebisacrylamide polymerization initiated by Ce(IV)/Malic acid redox system: kinetic study. <i>Polymer International</i> , 1993 , 31, 235-238	3.3	2
2	Intra/intermolecular gel-free cyclopolymerization of nonconjugated diene with peroxydiphosphate/different activators redox pairs. <i>Journal of Polymer Science Part A</i> , 1993 , 31, 1449-1452	2.5	2

- 1 Effect of substitution on reactivity of some alkyl halides in the reaction with sodium thiosulphate.
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