

Vineet Kumar

List of Publications by Year in descending order

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48
papers

999
citations

471061

17
h-index

454577

30
g-index

48
all docs

48
docs citations

48
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	Carboxymethylation of Tamarind kernel powder. Carbohydrate Polymers, 2007, 69, 251-255.	5.1	115
2	Carbamoylethylation of Cassia tora gum. Carbohydrate Polymers, 2003, 54, 143-147.	5.1	56
3	Î±-d-Glucosidase inhibitory activity of polysaccharide isolated from Acacia tortilis gum exudate. International Journal of Biological Macromolecules, 2013, 59, 214-220.	3.6	50
4	Ceric ammonium nitrate-initiated graft copolymerization of acrylamide onto Cassia tora gum. Journal of Applied Polymer Science, 2002, 86, 3250-3255.	1.3	48
5	Carbamoylethylation of guar gum. Carbohydrate Polymers, 2004, 58, 449-453.	5.1	46
6	Graft copolymerization of acrylonitrile onto Cassia tora gum with ceric ammonium nitrate-nitric acid as a redox initiator. Journal of Applied Polymer Science, 2003, 90, 129-136.	1.3	45
7	Aegle marmelos fruit pectin for food and pharmaceuticals: Physico-chemical, rheological and functional performance. Carbohydrate Polymers, 2013, 93, 386-394.	5.1	43
8	Exploring potential new gum source Aegle marmelos for food and pharmaceuticals: Physical, chemical and functional performance. Industrial Crops and Products, 2013, 45, 312-318.	2.5	40
9	Estimation of uronic acids using diverse approaches and monosaccharide composition of alkali soluble polysaccharide from Vitex negundo Linn.. Carbohydrate Polymers, 2017, 165, 205-212.	5.1	40
10	Graft copolymerization of acrylamide onto tamarind kernel powder in the presence of ceric ion. Journal of Applied Polymer Science, 2008, 108, 3696-3701.	1.3	35
11	Sulfation of Aegle marmelos gum: Synthesis, physico-chemical and functional characterization. Carbohydrate Polymers, 2013, 92, 1660-1668.	5.1	35
12	An insight into the properties of Aegle marmelos pectinâ€“chitosan cross-linked films. International Journal of Biological Macromolecules, 2013, 52, 77-84.	3.6	33
13	Physico-chemical, mechanical and electrical performance of bael fruit gumâ€“chitosan IPN films. Food Hydrocolloids, 2013, 30, 192-199.	5.6	32
14	Carboxymethylation of Cassia tora gum. Journal of Applied Polymer Science, 2003, 89, 3216-3219.	1.3	30
15	Ce(IV)-Ion Initiated Graft Copolymerization of Methyl Methacrylate onto Guar Gum. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 49-60.	1.2	29
16	Cyanoethylation of Cassia tora Gum. Starch/Staerke, 2003, 55, 38-42.	1.1	29
17	Optimization of reaction conditions for grafting of Î±-cellulose isolated from Lantana camara with acrylamide. Carbohydrate Polymers, 2011, 86, 760-768.	5.1	19
18	Cyanoethylation of Tamarind Kernel Powder. Starch/Staerke, 2008, 60, 41-47.	1.1	18

#	ARTICLE	IF	CITATIONS
19	Multifunctional properties of polysaccharides from <i>Dalbergia sissoo</i> , <i>Tectona grandis</i> and <i>Mimosa diplotricha</i> . <i>Carbohydrate Polymers</i> , 2014, 102, 341-350.	5.1	17
20	Comprehensive structural analysis of cis- and trans-tiliroside and quercetrin from <i>Malvastrum coromandelianum</i> and their antioxidant activities. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1720-1730.	2.3	17
21	Structure of the oligosaccharides isolated from <i>Dalbergia sissoo</i> Roxb. leaf polysaccharide. <i>Carbohydrate Polymers</i> , 2009, 78, 520-525.	5.1	16
22	Studies on <i>Tinospora cordifolia</i> monosugars and correlation analysis of uronic acids by spectrophotometric methods and GLC. <i>Carbohydrate Polymers</i> , 2014, 99, 291-296.	5.1	16
23	Synthesis of quaternised guar gum using Taguchi L(16) orthogonal array. <i>Carbohydrate Polymers</i> , 2020, 237, 116136.	5.1	16
24	Structural characterization of an acidic polysaccharide from <i>Dalbergia sissoo</i> Roxb. leaves. <i>Carbohydrate Polymers</i> , 2012, 90, 243-250.	5.1	15
25	Do assorted approaches aid in estimation of uronic acids? Case studies on <i>Tinospora sinensis</i> polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 360-363.	3.6	15
26	FTIR and GC-MS spectral datasets of wax from <i>Pinus roxburghii</i> Sarg. needles biomass. <i>Data in Brief</i> , 2017, 15, 615-622.	0.5	14
27	Monosaccharide composition of acidic gum exudates from Indian <i>Acacia tortilis</i> ssp. <i>raddiana</i> (Savi) Brenan. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 45-50.	3.6	13
28	Synthesis and characterization of quaternized <i>Cassia tora</i> gum using Taguchi L ¹⁶ approach. <i>Carbohydrate Polymers</i> , 2020, 232, 115731.	5.1	13
29	Application, Synthesis, and Characterization of Cationic Galactomannan from Ruderal Species as a Wet Strength Additive and Flocculating Agent. <i>ACS Omega</i> , 2020, 5, 25240-25252.	1.6	12
30	Conformational Analysis of the Biflavanoid GB2 and a Polyhydroxylated Flavanone-Chromone of <i>Cratogeomys merriamii</i> . <i>Planta Medica</i> , 2004, 70, 646-651.	0.7	11
31	Graft copolymerization onto Tamarind Kernel Powder: Ceric(IV)-initiated graft copolymerization of acrylonitrile. <i>Journal of Applied Polymer Science</i> , 2009, 114, 377-386.	1.3	11
32	Molecular Weight Determination and Correlation Analysis of <i>Dalbergia sissoo</i> Polysaccharide with Constituent Oligosaccharides. <i>Phytochemical Analysis</i> , 2013, 24, 75-80.	1.2	10
33	Synthesis, physico-chemical and biomedical applications of sulfated <i>Aegle marmelos</i> gum: Green chemistry approach. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2151-S2159.	2.3	8
34	Structural analysis and antioxidant activity of an arabinoxylan from <i>Malvastrum coromandelianum</i> L. (Garcke). <i>RSC Advances</i> , 2019, 9, 24267-24279.	1.7	8
35	Genetic diversity and population structure assessment using molecular markers and SPAR approach in <i>Illicium griffithii</i> , a medicinally important endangered species of Northeast India. <i>Journal of Genetic Engineering and Biotechnology</i> , 2021, 19, 118.	1.5	8
36	A unique polysaccharide containing 3- O -methylarabinose and 3- O -methylgalactose from <i>Tinospora sinensis</i> . <i>Carbohydrate Polymers</i> , 2018, 193, 326-335.	5.1	6

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37	Synthesis and characterization of galactomannan polymer hydrogel and sustained drug delivery. Carbohydrate Polymer Technologies and Applications, 2022, 4, 100230.	1.6	6
38	Synthesis, characterization and evaluation of amphoteric galactomannan derivative for the mitigation of malachite green and congo red dye from aqueous solution. Cellulose, 2022, 29, 1035-1053.	2.4	5
39	Structural profiling of wax biopolymer from Pinus roxburghii Sarg. needles using spectroscopic methods. International Journal of Biological Macromolecules, 2017, 104, 261-273.	3.6	4
40	Opportunity of plant oligosaccharides and polysaccharides in drug development. , 2020, , 587-639.		4
41	Ce(IV)-ion initiated grafting of 1,3 galactomannan biopolymer with acrylonitrile. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 519-530.	1.2	3
42	Thermal, spectroscopic, SEM and rheological datasets of native and quaternized guar gum. Data in Brief, 2020, 30, 105565.	0.5	3
43	Upgrading Methylation Method for Structural Studies of Polysaccharides: Case Analysis of a Bioactive Polysaccharide from <i>Acacia tortilis</i> . Journal of Biologically Active Products From Nature, 2020, 10, 70-85.	0.1	3
44	Hydroxypropylation of 1,2 Galactomannan by Taguchi's L9 Orthogonal Array Design. ChemistrySelect, 2021, 6, 8709-8715.	0.7	1
45	Preparation of galactomannan based viscosifiers using bifunctional crosslinker: Case studies using 2-(chloromethyl)oxirane. Journal of Applied Polymer Science, 2022, 139, 51669.	1.3	1
46	Acidic and Neutral Monosaccharide Analysis of Cold Water Soluble Polysaccharide from Hippophae salicifolia D. Don Leaves. Journal of Biologically Active Products From Nature, 2017, 7, 27-33.	0.1	0
47	Rheological and NMR spectral data sets of quaternary ammonium derivative of Cassia tora Linn. seed gum. Data in Brief, 2020, 29, 105271.	0.5	0
48	Cover Image, Volume 139, Issue 5. Journal of Applied Polymer Science, 2022, 139, 51074.	1.3	0