Ivan Å imkovic

List of Publications by Year
in descending order

67	1,093	361296	454834
papers	citations	20 h-index	30 g-index

68	68	68	1051
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extraction and characterization of polysaccharide films prepared from Furcellaria lumbricalis and Gigartina skottsbergii seaweeds. Cellulose, 2021, 28, 9567-9588.	2.4	10
2	Heparin composition: calculation based on elemental analysis and NMR data. Chemical Papers, 2020, 74, 349-355.	1.0	1
3	Interfaces study of all-polysaccharide composite films. Chemical Papers, 2018, 72, 711-718.	1.0	2
4	Composite films prepared from agricultural by-products. Carbohydrate Polymers, 2017, 156, 77-85.	5.1	16
5	Cationization of heparin for film applications. Carbohydrate Polymers, 2015, 115, 551-558.	5.1	8
6	Carboxymethylated-, hydroxypropylsulfonated- and quaternized xylan derivative films. Carbohydrate Polymers, 2014, 110, 464-471.	5.1	27
7	Quaternized and sulfated xylan derivative films. Carbohydrate Polymers, 2014, 99, 356-364.	5.1	25
8	Evaluation of the phytomass source for composite preparation. Journal of Applied Polymer Science, 2013, 127, 508-515.	1.3	1
9	Unexplored possibilities of all-polysaccharide composites. Carbohydrate Polymers, 2013, 95, 697-715.	5.1	87
10	Flame retarded composite panels from sugar beet residues. Journal of Thermal Analysis and Calorimetry, 2012, 109, 1445-1455.	2.0	5
11	TG/DTG/DTA evaluation of flame retarded cotton fabrics and comparison to cone calorimeter data. Carbohydrate Polymers, 2012, 90, 976-981.	5.1	13
12	Flammability studies of impregnated paper sheets. Journal of Thermal Analysis and Calorimetry, 2012, 107, 519-526.	2.0	5
13	Positively and negatively charged xylan films. Carbohydrate Polymers, 2011, 83, 769-775.	5.1	24
14	Xylan sulphate films. Carbohydrate Polymers, 2011, 86, 214-218.	5.1	21
15	Branched arabinan obtained from sugar beet pulp by quaternization under acidic conditions. Carbohydrate Polymers, 2010, 82, 815-821.	5.1	14
16	Chemical modification of corn fiber with ion-exchanging groups. Carbohydrate Polymers, 2009, 76, 250-254.	5.1	10
17	Fractionation of sugar beet pulp by introducing ion-exchange groups. Carbohydrate Polymers, 2009, 78, 806-812.	5.1	17
18	Amidated pectin derivatives with n-propyl-, 3-aminopropyl-, 3-propanol- or 7-aminoheptyl-substituents. Carbohydrate Polymers, 2009, 76, 602-606.	5.1	19

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19	Modification of polygalacturonic acid hydroxyls with trimethylammonium- and/or sulfonate-2-hydroxypropyl group. Carbohydrate Polymers, 2008, 74, 611-616.	5.1	8
20	What could be greener than composites made from polysaccharides?. Carbohydrate Polymers, 2008, 74, 759-762.	5.1	77
21	Application of Thermal Analysis to Elucidate Waterâ€Repellency Changes in Heated Soils. Soil Science Society of America Journal, 2008, 72, 1-10.	1.2	42
22	Flammability studies of sodium thiosulphate or metabisulphite impregnated wood using cone calorimeter. Fire and Materials, 2007, 31, 137-145.	0.9	9
23	Thermogravimetric analysis of agricultural residues: Oxygen effect and environmental impact. Journal of Applied Polymer Science, 2006, 100, 1318-1322.	1.3	28
24	Flame retardance of insolubilized silica inside of wood material. Journal of Applied Polymer Science, 2005, 97, 1948-1952.	1.3	24
25	Cross-linking of starch with 1, 2, 3, 4-diepoxybutane or 1, 2, 7, 8-diepoxyoctane. Carbohydrate Polymers, 2004, 55, 299-305.	5.1	24
26	Thermogravimetric study of flame-retarding properties on phosphorylated beech sawdust. Polymer Degradation and Stability, 2003, 80, 519-523.	2.7	5
27	Primary reactions of sucrose thermal degradation. Journal of Analytical and Applied Pyrolysis, 2003, 70, 493-504.	2.6	54
28	Preparation of ion-exchangers by cross-linking of starch or polygalacturonic acid with 1,3-bis(3-chloro-2-hydroxypropyl)imidazolium hydrogen sulphate. Carbohydrate Polymers, 2002, 47, 131-136.	5.1	6
29	Thermogravimetric study of starch derivatives with amine/ammonium ion-exchanging groups in oxidative environment. Carbohydrate Polymers, 2002, 49, 509-513.	5.1	4
30	Preparation of water-soluble/insoluble derivatives of hyaluronic acid by cross-linking with epichlorohydrin in aqueous NaOH/NH4OH solution. Carbohydrate Polymers, 2000, 41, 9-14.	5.1	29
31	Preparation of anion exchangers from beech sawdust and wheat straw. Industrial Crops and Products, 1999, 10, 167-173.	2.5	22
32	Flame-retarding properties of ion-exchanging groups introduced into beech sawdust. Fire and Materials, 1998, 22, 149-154.	0.9	6
33	One-step introduction of amine and ammonium groups and cross linking of polygalacturonic acid. Carbohydrate Polymers, 1997, 32, 1-6.	5.1	9
34	Quaternization/cross linking of starch with choline chloride/epichlorohydrin. Carbohydrate Polymers, 1997, 34, 21-23.	5.1	4
35	Preparation of ion exchangers from bagasse by crosslinking with epichlorohydrin-NH4OH or epichlorohydrin-imidazole. Journal of Applied Polymer Science, 1997, 64, 2561-2566.	1.3	29
36	Preparation of a weakly basic ion exchanger by crosslinking starch with epichlorohydrin in the presence of NH4OH11Names are necessary to report factually on available data; however, the USDA neither guarantees nor warrants the standard of the product, and the use of the name by USDA implies no approval of the product to the exclusion of others that may also be suitable.. Carbohydrate Polymers, 1996, 30, 25-30.	5.1	53

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37	One-step quaternization/crosslinking of starch with 3-chloro-2-hydroxypropylammonium chloride/epichlorohydrin in the presence of NH4OH. Carbohydrate Polymers, 1996, 31, 47-51.	5.1	22
38	Thermal Degradation and Thermooxidation of O-Acetyl-(4-O-methyl-D-glucurono)-D-xylan and Related Derivatives. Holzforschung, 1995, 49, 512-516.	0.9	7
39	Fractionation of wheat straw meal after pretreatment with acidified zinc chloride solutions. Carbohydrate Polymers, 1994, 23, 111-114.	5.1	6
40	Effect of pretreatment on pyrolysis-field ionization mass spectrometric data of (4-O-methyl-d-glucurono)-d-xylan from beech wood. Biomass and Bioenergy, 1993, 4, 373-378.	2.9	7
41	Modification of corn cob meal with quarternary ammonium groups. Carbohydrate Polymers, 1992, 17, 285-288.	5.1	25
42	Enolate semiquinones formed during the alkaline oxidative degradation of 2-deoxy sugars. Carbohydrate Research, 1991, 212, 273-276.	1.1	0
43	Flame Retardancy Effect of Elemental Sulphur Caused by Covering the Lignocellulose Materials. Holzforschung, 1991, 45, 367-370.	0.9	2
44	Increased Extractability of Irradiated Wood Meal. Holzforschung, 1991, 45, 229-232.	0.9	3
45	Acetylation of (4-O-methyl-d-glucurono)-d-xylan under homogeneous conditions using trifluoroacetic acid-acetic anhydride. Carbohydrate Research, 1990, 201, 346-348.	1.1	14
46	New Aspects in Cationization of Lignocellulose Materials. XI. Modification of Bagasse with Quarternary Ammonium Groups. Holzforschung, 1990, 44, 113-116.	0.9	26
47	New aspects in cationization of lignocellulose materials. X. Thermooxidation of TMAHPâ€“sawdust. Journal of Applied Polymer Science, 1989, 38, 1913-1917.	1.3	6
48	Thermogravimetric/mass spectrometric characterization of the thermal decomposition of (4-O-methyl-D-glucurono)-D-xylan. Journal of Applied Polymer Science, 1988, 36, 721-728.	1.3	47
49	Thermal degradation of model compounds with blocked hemiacetal group related to (4-O-methyl-D-glucurono)-D-xylan. Journal of Applied Polymer Science, 1987, 33, 1473-1477.	1.3	11
50	New aspects in cationization of lignocellulose materials. V. Modification of rotten aspen wood meal with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 33, 1955-1961.	1.3	1
51	New aspects in cationization of lignocellulose materials. VII. Modification of spruce wood meal with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 33, 2651-2656.	1.3	3
52	New aspects in cationization of lignocellulose materials. IX. Flame retardancy effect of modification with nitrogen and sulfur containing groups. Journal of Applied Polymer Science, 1987, 34, 1057-1061.	1.3	9
53	New aspects in cationization of lignocellulose materials. VI. Modification of steam-exploded aspen wood chips with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 34, 1779-1783.	1.3	2
54	New aspects in cationization of lignocellulose materials. VIII. Modification of immitted spruce wood with quarternary ammonium groups. Journal of Applied Polymer Science, 1987, 34, 2063-2068.	1.3	2

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55	New aspects in cationization of lignocellulose materials. III. Influence of delignification on reactivity and extractability of TMAHPâ€“hemicelluloses. Journal of Applied Polymer Science, 1986, 31, 303-308.	1.3	8
56	New aspects in cationization of lignocellulose materials. IV. Modification of aspen wood meal with quarternary ammonium groups. Journal of Applied Polymer Science, 1986, 31, 621-625.	1.3	5
57	Thermal degradation of cellulose model compounds in inert atmosphere. Journal of Applied Polymer Science, 1986, 31, 2433-2441.	1.3	13
58	Alkaline degradation of model compounds related to (4-O-methyl-d-glucurono)-d-xylan. Carbohydrate Research, 1986, 152, 131-136.	1.1	8
59	A 13C-n.m.r. study of the alkaline degradation products of polysaccharides. Carbohydrate Research, 1986, 152, 137-141.	1.1	16
60	ESR Study of Soda Waste Liquors. Holzforschung, 1986, 40, 15-18.	0.9	17
61	Semiquinones formed during alkaline, oxidative degradation of saccharides. Carbohydrate Research, 1985, 142, 127-131.	1.1	13
62	Thermooxidation of TMAHP-cellulose in dependance to its anionic form. Thermochimica Acta, 1985, 93, 421-424.	1.2	0
63	Influence of anionic form on thermal degradation of TMAHPâ€“cellulose. Journal of Applied Polymer Science, 1985, 30, 4707-4711.	1.3	12
64	Influence of anionic form on thermooxidation of TMAHPâ€“cellulose. Journal of Applied Polymer Science, 1985, 30, 4713-4721.	1.3	6
65	New aspects in cationization of lignocellulose materials. I. Preparation of lignocellulose materials containing quarternary ammonium groups. Journal of Applied Polymer Science, 1984, 29, 637-642.	1.3	24
66	New aspects in cationization of lignocellulose materials. II. Distribution of functional groups in lignin, hemicellulose, and cellulose components. Journal of Applied Polymer Science, 1984, 29, 643-650.	1.3	24
67	E.S.R. study of alkaline, oxidative degradation of saccharides. Identification of 2,5-dihydroxy-p-benzosemiquinone. Carbohydrate Research, 1983, 116, 263-269.	1.1	16