

Runcang Sun

List of Publications by Year in descending order

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54
papers

3,872
citations

126708

33
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161609

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54
all docs

54
docs citations

54
times ranked

4264
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave-assisted hydrothermal carbonization of corn stalk for solid biofuel production: Optimization of process parameters and characterization of hydrochar. <i>Energy</i> , 2019, 186, 115795.	4.5	99
2	Hemicellulose from Plant Biomass in Medical and Pharmaceutical Application: A Critical Review. <i>Current Medicinal Chemistry</i> , 2019, 26, 2430-2455.	1.2	60
3	Production of vanillin from lignin: The relationship between β^2 -O-4 linkages and vanillin yield. <i>Industrial Crops and Products</i> , 2018, 116, 116-121.	2.5	106
4	The role of pretreatment in improving the enzymatic hydrolysis of lignocellulosic materials. <i>Bioresource Technology</i> , 2016, 199, 49-58.	4.8	708
5	Application of new expansion pretreatment method on agricultural waste. Part I: Influence of pretreatment on the properties of lignin. <i>Industrial Crops and Products</i> , 2013, 50, 887-895.	2.5	36
6	Fractionation of Lignocellulosic Materials for the Biorefinery: Separation and Characterization of Lignin from <i>Calamagrostis angustifolia</i> Kom. <i>Separation Science and Technology</i> , 2013, 48, 1272-1279.	1.3	4
7	Physicochemical characterization of extracted lignin from sweet sorghum stem. <i>Industrial Crops and Products</i> , 2010, 32, 21-28.	2.5	72
8	Comparative study of organosolv lignins from wheat straw. <i>Industrial Crops and Products</i> , 2006, 23, 180-193.	2.5	234
9	Separation and Characterization of Cellulose from Wheat Straw. <i>Separation Science and Technology</i> , 2005, 39, 391-411.	1.3	42
10	Extraction and Characterization of Original Lignin and Hemicelluloses from Wheat Straw. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 860-870.	2.4	226
11	Physico-chemical and structural characterization of residual lignins isolated with TAED activated peroxide from ultrasound irradiated and alkali pre-treated wheat straw. <i>Polymer Degradation and Stability</i> , 2003, 79, 241-251.	2.7	18
12	Ester and ether linkages between hydroxycinnamic acids and lignins from wheat, rice, rye, and barley straws, maize stems, and fast-growing poplar wood. <i>Industrial Crops and Products</i> , 2002, 15, 179-188.	2.5	147
13	Effect of ultrasound on the physicochemical properties of organosolv lignins from wheat straw. <i>Journal of Applied Polymer Science</i> , 2002, 84, 2512-2522.	1.3	25
14	Comparative study of lignins isolated by alkali and ultrasound-assisted alkali extractions from wheat straw. <i>Ultrasonics Sonochemistry</i> , 2002, 9, 85-93.	3.8	190
15	Comparative Studies of Ash-AQ and Soda-AQ Lignins from Oil Palm EFB Fibre. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2001, 48, 1-16.	1.8	4
16	Physico-chemical and thermal characterization of lignins from <i>Caligonum monogoliacum</i> and <i>Tamarix</i> spp.. <i>Polymer Degradation and Stability</i> , 2001, 72, 229-238.	2.7	85
17	Physicochemical characterization of lignins from rice straw by hydrogen peroxide treatment. <i>Journal of Applied Polymer Science</i> , 2001, 79, 719-732.	1.3	92
18	Fractional and Physico-Chemical Analysis of Soda-AQ Lignin by Successive Extraction with Organic Solvents from Oil Palm EFB Fiber. <i>International Journal of Polymer Analysis and Characterization</i> , 2000, 5, 531-547.	0.9	11

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19	Characterization of lignins from wheat straw by alkaline peroxide treatment. <i>Polymer Degradation and Stability</i> , 2000, 67, 101-109.	2.7	68
20	Stearoylation of hemicelluloses from wheat straw. <i>Polymer Degradation and Stability</i> , 2000, 67, 345-353.	2.7	27
21	Fractional characterization of ash-AQ lignin by successive extraction with organic solvents from oil palm EFB fibre. <i>Polymer Degradation and Stability</i> , 2000, 68, 111-119.	2.7	124
22	Fractionation and Characterization of Water-soluble Hemicelluloses and Lignin from Steam-exploded Birchwood. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2000, 45, 1-19.	1.8	6
23	Comparative Studies of Hemicelluloses Solubilized during the Treatments of Maize Stems with Peroxymonosulfuric Acid, Peroxyformic Acid, Peracetic Acid, and Hydrogen Peroxide. Part 1. Yield and Chemical Characterization. <i>Holzforschung</i> , 2000, 54, 349-356.	0.9	12
24	Fractional Separation and Physicochemical Characterization of Polysaccharides from Poplar Chips. <i>Separation Science and Technology</i> , 2000, 35, 2725-2743.	1.3	2
25	Esterification of Hemicelluloses from Poplar Chips in Homogenous Solution of <i>N,N</i> -Dimethylformamide/Lithium Chloride. <i>Journal of Wood Chemistry and Technology</i> , 1999, 19, 287-306.	0.9	48
26	Extraction and Characterization of Hemicelluloses and Cellulose from Oil Palm Trunk and Empty Fruit Bunch Fibres. <i>Journal of Wood Chemistry and Technology</i> , 1999, 19, 167-185.	0.9	17
27	Separation and Characterization of Lignins from the Black Liquor of Oil Palm Trunk Fiber Pulping. <i>Separation Science and Technology</i> , 1999, 34, 3045-3058.	1.3	12
28	Effects of precipitation pH on the physico-chemical properties of the lignins isolated from the black liquor of oil palm empty fruit bunch fibre pulping. <i>Polymer Degradation and Stability</i> , 1999, 63, 195-200.	2.7	86
29	Fractional isolation and partial characterization of non-starch polysaccharides and lignin from sago pith. <i>Industrial Crops and Products</i> , 1999, 9, 211-220.	2.5	11
30	Acetylation of wheat straw hemicelluloses in <i>N,N</i> -dimethylacetamide/LiCl solvent system. <i>Industrial Crops and Products</i> , 1999, 10, 209-218.	2.5	55
31	Fractionation and characterization of ball-milled and enzyme lignins from abaca fibre. <i>Journal of the Science of Food and Agriculture</i> , 1999, 79, 1091-1098.	1.7	24
32	Chemical Analysis and Structural Characterization of Oil Palm Lignins from Black Liquor of Empty Fruit Bunch Fiber Pulping. <i>International Journal of Polymer Analysis and Characterization</i> , 1999, 5, 209-222.	0.9	3
33	Oleoylation of Wheat Straw Hemicelluloses in New Homogeneous System. <i>Polymer Journal</i> , 1999, 31, 857-863.	1.3	16
34	Fractional and structural characterization of ball-milled and enzyme lignins from wheat straw. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1633-1641.	1.3	47
35	Fractional extraction and physico-chemical characterization of hemicelluloses and cellulose from sugar beet pulp. <i>Carbohydrate Polymers</i> , 1998, 36, 293-299.	5.1	86
36	Fractionation and characterization of polysaccharides from abaca fibre. <i>Carbohydrate Polymers</i> , 1998, 37, 351-359.	5.1	83

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37	Comparative and Structural Characterization of Organosolv and Alkali Lignins from Abaca Fiber. <i>International Journal of Polymer Analysis and Characterization</i> , 1998, 4, 517-530.	0.9	3
38	Physicochemical and Thermal Characterization of Wheat Straw Hemicelluloses and Cellulose. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 2804-2809.	2.4	55
39	Isolation and Fractional Characterization of Ball-Milled and Enzyme Lignins from Oil Palm Trunk. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 718-723.	2.4	43
40	Extraction and Physico-Chemical Characterization of Pectins from Sugar Beet Pulp. <i>Polymer Journal</i> , 1998, 30, 671-677.	1.3	44
41	Physico-chemical and Structural Characterization of Alkali-soluble Lignins from Sugar Beet Pulp. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1998, 42, 181-193.	1.8	2
42	Physico-Chemical and Thermal Characterization of Alkali-Soluble Lignins from Wheat Straw. <i>Polymer Journal</i> , 1998, 30, 289-294.	1.3	13
43	Fractionation and Characterization of Alkali-Soluble Lignins from Wheat Straw. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1997, 35, 83-101.	1.8	3
44	Fractional Isolation and Physico-Chemical Characterization of Alkali-Soluble Lignins from Wheat Straw. <i>Holzforschung</i> , 1997, 51, 244-250.	0.9	35
45	Effect of extraction procedure on the molecular weight of wheat straw lignins. <i>Industrial Crops and Products</i> , 1997, 6, 97-106.	2.5	26
46	A tentative chemical structure of wheat straw lignin. <i>Industrial Crops and Products</i> , 1997, 6, 1-8.	2.5	70
47	Fractional Characterization of Wheat Straw Lignin Components by Alkaline Nitrobenzene Oxidation and FT-IR Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 1241-1247.	2.4	51
48	Effects of Extraction Time and Different Alkalis on the Composition of Alkali-Soluble Wheat Straw Lignins. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 3965-3970.	2.4	39
49	The fractional characterisation of polysaccharides and lignin components in alkaline treated and atmospheric refined wheat straw. <i>Industrial Crops and Products</i> , 1996, 5, 87-95.	2.5	32
50	Fractional characterization of alkali-labile lignin and alkali-insoluble lignin from wheat straw. <i>Industrial Crops and Products</i> , 1996, 5, 291-300.	2.5	38
51	Effect of Steam Treatment on the Chemical Composition of Wheat Straw. <i>Holzforschung</i> , 1996, 50, 365-371.	0.9	40
52	Influence of alkaline pre-treatments on the cell wall components of wheat straw. <i>Industrial Crops and Products</i> , 1995, 4, 127-145.	2.5	259
53	The effect of alkaline nitrobenzene oxidation conditions on the yield and components of phenolic monomers in wheat straw lignin and compared to cupric(II) oxidation. <i>Industrial Crops and Products</i> , 1995, 4, 241-254.	2.5	45
54	Extraction, fractionation, and characterization of structural polysaccharides from wheat straw.. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 667-675.	2.4	188