

Soo-jeong Shin

List of Publications by Year in descending order

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45
papers

690
citations

567281

15
h-index

552781

26
g-index

45
all docs

45
docs citations

45
times ranked

984
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of hemicelluloses and lignin on acid hydrolysis of cellulose. <i>Energy</i> , 2014, 77, 19-24.	8.8	91
2	Effects of acetic and formic acid on ABE production by <i>Clostridium acetobutylicum</i> and <i>Clostridium beijerinckii</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 270-275.	2.6	68
3	Biobutanol production from 2-year-old willow biomass by acid hydrolysis and acetone-butanol-ethanol fermentation. <i>Energy</i> , 2013, 61, 13-17.	8.8	49
4	Improving enzymatic hydrolysis of industrial hemp (<i>Cannabis sativa</i> L.) by electron beam irradiation. <i>Radiation Physics and Chemistry</i> , 2008, 77, 1034-1038.	2.8	47
5	Conversion factors for carbohydrate analysis by hydrolysis and ¹ H-NMR spectroscopy. <i>Cellulose</i> , 2008, 15, 255-260.	4.9	46
6	Soda Pulping of Hardwoods Catalyzed by Anthraquinone and Methyl Substituted Anthraquinones. <i>Journal of Wood Chemistry and Technology</i> , 2006, 26, 141-152.	1.7	42
7	Enhanced ethanol production from deacetylated yellow poplar acid hydrolysate by <i>Pichia stipitis</i> . <i>Bioresource Technology</i> , 2010, 101, 4947-4951.	9.6	41
8	Exogenously applied 24-epi brassinolide reduces lignification and alters cell wall carbohydrate biosynthesis in the secondary xylem of <i>Liriodendron tulipifera</i> . <i>Phytochemistry</i> , 2014, 101, 40-51.	2.9	39
9	Tolerance of <i>Saccharomyces cerevisiae</i> K35 to lignocellulose-derived inhibitory compounds. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 755-760.	2.6	38
10	Ethanol production from acid hydrolysates based on the construction and demolition wood waste using <i>Pichia stipitis</i> . <i>Bioresource Technology</i> , 2011, 102, 4439-4443.	9.6	37
11	Overexpression of constitutively active <i>Arabidopsis</i> RabG3b promotes xylem development in transgenic poplars. <i>Plant, Cell and Environment</i> , 2011, 34, 2212-2224.	5.7	24
12	Papermaking characteristics of three <i>Populus</i> clones grown in the north-central United States. <i>Biomass and Bioenergy</i> , 2006, 30, 803-808.	5.7	23
13	Compositional changes in industrial hemp biomass (<i>Cannabis sativa</i> L.) induced by electron beam irradiation Pretreatment. <i>Biomass and Bioenergy</i> , 2011, 35, 3267-3270.	5.7	22
14	Different response between woody core and bark of goat willow (<i>Salix caprea</i> L.) to concentrated phosphoric acid pretreatment followed by enzymatic saccharification. <i>Energy</i> , 2015, 81, 21-26.	8.8	22
15	Fermentation characteristics of acid hydrolysates by different neutralizing agents. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16365-16372.	7.1	16
16	Bioaccumulation and Physiological Response of Five Willows to Toxic Levels of Cadmium and Zinc. <i>Soil and Sediment Contamination</i> , 2013, 22, 241-255.	1.9	11
17	Impact of Residual Extractives on Lignin Determination in Kraft Pulps. <i>Journal of Wood Chemistry and Technology</i> , 2005, 24, 139-151.	1.7	9
18	Chemical modification of secondary xylem under tensile stress in the stem of <i>Liriodendron tulipifera</i> . <i>Forest Science and Technology</i> , 2011, 7, 53-59.	0.8	8

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19	ABE production from yellow poplar through alkaline pre-hydrolysis, enzymatic saccharification, and fermentation. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 965-971.	2.6	8
20	Residual extractives in aspen kraft pulps and their impact on kappa number and Klason lignin determination. <i>Journal of Wood Science</i> , 2007, 53, 494-497.	1.9	6
21	Investigation of Solid Energy Potential of Wood and Bark Obtained from Four Clones of a 2-Year Old Goat Willow. <i>Frontiers in Energy Research</i> , 2014, 2, .	2.3	5
22	Improving Enzymatic Saccharification of Hybrid Poplar by Electron Beam Irradiation Pretreatment. <i>Journal of Biobased Materials and Bioenergy</i> , 2010, 4, 23-26.	0.3	5
23	Impact of Alkali Pretreatment to Enzymatic Hydrolysis of Cork Oak (<i>Quercus Variabilis</i>). <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2014, 46, 1-7.	0.4	5
24	Chlorine Dioxide Bleaching Properties of Sugarcane Bagasse Pulp and Oil Palm Trunk Pulp. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2015, 47, 13-20.	0.4	4
25	Quantitative Analysis of Reaction Products from Glucose and Xylose in Acidic Aqueous Medium by ¹ H-NMR Spectroscopic Method. <i>Journal of the Korean Wood Science and Technology</i> , 2013, 41, 287-292.	3.0	3
26	Characteristics of xylose and glucuronic acid at concentrated sulfuric acid hydrolysis. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2012, 44, 9-14.	0.4	3
27	The Analysis of Inorganic Compounds and Water Solubles Ions in Paper Mill Sludges from NewsPaper and Printed Paper. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2014, 46, 30-34.	0.4	3
28	Changes in Properties of Tropical Kapok Fibers by the Pretreatments. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2013, 45, 52-58-52-58.	0.4	2
29	Quantitative analysis of 5-HMF produced from fructose. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2013, 45, 27-34-27-34.	0.4	2
30	Impact of sodium or potassium cations in culture medium to ethanol fermentation by <i>Saccharomyces cerevisiae</i> . <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2015, 47, 17-23.	0.4	2
31	Studies on Wood Quality and Growth of <i>Quercus rubra</i> in Korea - Anatomical Properties -. <i>Journal of the Korean Wood Science and Technology</i> , 2015, 43, 421-428.	3.0	2
32	A Fundamental Study for The Possibility of Charcoal as Green Infrastructure Materials. <i>Journal of the Korean Wood Science and Technology</i> , 2015, 43, 691-699.	3.0	1
33	Analysis of Charcoal from <i>Quercus phillyraeoides</i> . <i>Journal of the Korean Wood Science and Technology</i> , 2013, 41, 181-186.	3.0	1
34	Identification of Hydrophobic Components in Cambodian Kapok Fiber. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2013, 45, 30-36-30-36.	0.4	1
35	Analysis of secondary reactions in concentrated sulfuric acid hydrolysis of hollocellulose by ¹ H-NMR spectroscopy. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2014, 46, 37-43.	0.4	1
36	Impact of sodium or potassium concentration in glucose aqueous solution to fermentation by <i>Kluyveromyces marxianus</i> . <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2015, 47, 11-17.	0.4	1

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37	Effect on Bleaching Efficiency by Chelating Treatment in Sugarcane Bagasse DEDP Bleaching Process. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2015, 47, 81-87.	0.4	1
38	Soda and Soda-AQ Pulps Properties from African Tulip Tree. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2015, 47, 85-90.	0.4	1
39	Chemical and Mechanical Properties of Yellow Poplar Pulp Produced by Formic Acid- Hydrogen Peroxide Pulping. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2013, 45, 6-12-6-12.	0.4	0
40	Conversion of Fructose to 5-HMF(5-hydroxymethylfurfural) in DMSO(dimethylsulfoxide) solvent. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2013, 45, 21-26-21-26.	0.4	0
41	Comparison of enzymatic hydrolysis characteristics of mushroom culutured waste (MCW) and Cork oak by alkali treatment. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2014, 46, 44-49.	0.4	0
42	Studies on Manufacture of Mineral Water with Wood Charcoals. Journal of the Korean Wood Science and Technology, 2014, 42, 460-466.	3.0	0
43	Modification of cell wall structural carbohydrate in the hybrid poplar expressing Medicago R2R3-MYB transcription factor MtMYB70. Journal of Plant Biotechnology, 2015, 42, 93-103.	0.4	0
44	Soda Pulp Properties from Corn Stalk as Raw Material. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2015, 47, 73-80.	0.4	0
45	Effect of Sugarcane Bagasse Soda-AQ Pulp Bleaching Properties by Type of Chelate Compounds and Simultaneous Process of (DQ) Stage. Journal of the Korean Wood Science and Technology, 2016, 44, 147-155.	3.0	0