

Kyeong Keun Oh

List of Publications by Year in descending order

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papers

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782
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hydrogen bond donor on the choline chloride-based deep eutectic solvent-mediated extraction of lignin from pine wood. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 187-197.	3.6	67
2	Understanding the Physicochemical Characteristics and the Improved Enzymatic Saccharification of Corn Stover Pretreated with Aqueous and Gaseous Ammonia. <i>Bioenergy Research</i> , 2016, 9, 67-76.	2.2	48
3	A review on physico-chemical delignification as a pretreatment of lignocellulosic biomass for enhanced bioconversion. <i>Bioresource Technology</i> , 2022, 346, 126591.	4.8	48
4	Synthesis of ordered mesoporous silica with various pore structures using high-purity silica extracted from rice husk. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 135-143.	2.9	40
5	Immobilization of laccase via cross-linked enzyme aggregates prepared using genipin as a natural cross-linker. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 541-550.	3.6	37
6	Application of a continuous twin screw-driven process for dilute acid pretreatment of rape straw. <i>Bioresource Technology</i> , 2012, 110, 349-354.	4.8	36
7	Development of Cellulose Hydrogel Microspheres for Lipase Immobilization. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 145-154.	1.4	34
8	Acid-catalyzed hydrothermal severity on the fractionation of agricultural residues for xylose-rich hydrolyzates. <i>Bioresource Technology</i> , 2013, 132, 84-90.	4.8	27
9	Cellulose/biopolymer/Fe ₃ O ₄ hydrogel microbeads for dye and protein adsorption. <i>Cellulose</i> , 2020, 27, 2757-2773.	2.4	25
10	Characterization of blended cellulose/biopolymer films prepared using ionic liquid. <i>Cellulose</i> , 2020, 27, 5101-5119.	2.4	23
11	Low acid hydrothermal fractionation of Giant Miscanthus for production of xylose-rich hydrolysate and furfural. <i>Bioresource Technology</i> , 2016, 218, 367-372.	4.8	22
12	Combined Ball Milling and Ethanol Organosolv Pretreatment to Improve the Enzymatic Digestibility of Three Types of Herbaceous Biomass. <i>Energies</i> , 2018, 11, 2457.	1.6	22
13	Production of furfural and cellulose from barley straw using acidified zinc chloride. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1339-1346.	1.2	20
14	Fractionation and delignification of empty fruit bunches with low reaction severity for high sugar recovery. <i>Bioresource Technology</i> , 2013, 146, 176-183.	4.8	19
15	Two-stage, acetic acid-aqueous ammonia, fractionation of empty fruit bunches for increased lignocellulosic biomass utilization. <i>Bioresource Technology</i> , 2016, 199, 121-127.	4.8	19
16	Comparison of bioethanol production of simultaneous saccharification & fermentation and separation hydrolysis & fermentation from cellulose-rich barley straw. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1341-1346.	1.2	17
17	Effects of Organosolv Pretreatment Using Temperature-Controlled Bench-Scale Ball Milling on Enzymatic Saccharification of <i>Miscanthus × giganteus</i> . <i>Energies</i> , 2018, 11, 2657.	1.6	16
18	Hydrolysis of hemicellulose from barley straw and enhanced enzymatic saccharification of cellulose using acidified zinc chloride. <i>Renewable Energy</i> , 2014, 65, 56-63.	4.3	15

#	ARTICLE	IF	CITATIONS
19	Fractionation of barley straw with dilute sulfuric acid for improving hemicellulose recovery. Korean Journal of Chemical Engineering, 2012, 29, 614-620.	1.2	13
20	Improvement of Organosolv Fractionation Performance for Rice Husk through a Low Acid-Catalyzation. Energies, 2019, 12, 1800.	1.6	13
21	Acetic acid-assisted hydrothermal fractionation of empty fruit bunches for high hemicellulosic sugar recovery with low byproducts. Applied Biochemistry and Biotechnology, 2015, 176, 1445-1458.	1.4	10
22	Deacetylation Followed by Fractionation of Yellow Poplar Sawdust for the Production of Toxicity-Reduced Hemicellulosic Sugar for Ethanol Fermentation. Energies, 2018, 11, 404.	1.6	10
23	Scratch resistance and oxygen barrier properties of acrylate-based hybrid coatings on polycarbonate substrate. Korean Journal of Chemical Engineering, 2009, 26, 1550-1555.	1.2	9
24	Thermo-mechanical fractionation of yellow poplar sawdust with a low reaction severity using continuous twin screw-driven reactor for high hemicellulosic sugar recovery. Bioresource Technology, 2017, 241, 63-69.	4.8	9
25	Alkaline Fractionation and Subsequent Production of Nano-Structured Silica and Cellulose Nano-Fibrils for the Comprehensive Utilization of Rice Husk. Sustainability, 2021, 13, 1951.	1.6	8
26	Pretreatment of Corn Stover Using an Extremely Low-Liquid Ammonia (ELLA) Method for the Effective Utilization of Sugars in Simultaneous Saccharification and Fermentation (SSF) of Ethanol. Fermentation, 2021, 7, 191.	1.4	8
27	Extraction Behaviors of Lignin and Hemicellulose-Derived Sugars During Organosolv Fractionation of Agricultural Residues Using a Bench-Scale Ball Milling Reactor. Energies, 2020, 13, 352.	1.6	8
28	Biopolymer-Based Composite Materials Prepared Using Ionic Liquids. Advances in Biochemical Engineering/Biotechnology, 2018, 168, 133-176.	0.6	6
29	Production of Bio-Based Chemicals, Acetic Acid and Furfural, through Low-Acid Hydrothermal Fractionation of Pine Wood (<i>Pinus densiflora</i>) and Combustion Characteristics of the Residual Solid Fuel. Applied Sciences (Switzerland), 2021, 11, 7435.	1.3	6
30	Eco-friendly and facile synthesis of size-controlled spherical silica particles from rice husk. Nanoscale Advances, 2021, 3, 6965-6973.	2.2	6
31	Combined De-Algination Process as a Fractionation Strategy for Valorization of Brown Macroalga <i>Saccharina japonica</i> . Applied Biochemistry and Biotechnology, 2017, 182, 238-249.	1.4	5
32	Increase of electrical properties using a novel mixed buffer system in an enzyme fuel cell. Biotechnology and Bioprocess Engineering, 2009, 14, 687-693.	1.4	3
33	Reaction Characteristics of Organosolv-Fractionation Process for Selective Extraction of Carbohydrates and Lignin from Rice Husks. Energies, 2021, 14, 686.	1.6	2
34	NaOH-Catalyzed Fractionation of Rice Husk Followed by Concomitant Production of Bioethanol and Furfural for Improving Profitability in Biorefinery. Applied Sciences (Switzerland), 2021, 11, 7508.	1.3	2
35	Effects of Colloid Milling and Hot-Water Pretreatment on Physical Properties and Enzymatic Digestibility of Oak Wood. Energies, 2022, 15, 2210.	1.6	2
36	A novel alginate quantification method using high-performance liquid chromatography (HPLC) for pretreatment of <i>Saccharina japonica</i> . Journal of Applied Phycology, 2015, 27, 511-518.	1.5	0