

Hah Young Yoo

List of Publications by Year in descending order

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67
papers

1,222
citations

331670

21
h-index

454955

30
g-index

67
all docs

67
docs citations

67
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel alkaline lipase from <i>Ralstonia</i> with potential application in biodiesel production. <i>Bioresource Technology</i> , 2011, 102, 6104-6111.	9.6	68
2	Enzymatic fuel cells based on electrodeposited graphite oxide/cobalt hydroxide/chitosan composite as enzyme electrode. <i>Biosensors and Bioelectronics</i> , 2013, 42, 342-348.	10.1	53
3	Biorefinery of instant noodle waste to biofuels. <i>Bioresource Technology</i> , 2014, 159, 17-23.	9.6	49
4	Co-immobilization of <i>Candida rugosa</i> and <i>Rhizopus oryzae</i> lipases and biodiesel production. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1335-1338.	2.7	42
5	Biodiesel production by lipases co-immobilized on the functionalized activated carbon. <i>Bioresource Technology Reports</i> , 2019, 7, 100248.	2.7	40
6	Production of bioethanol and biodiesel using instant noodle waste. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1627-1635.	3.4	39
7	Optimization of medium composition for enhanced cellulase production by mutant <i>Penicillium brasilianum</i> KUEB15 using statistical method. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 145-150.	5.8	37
8	<i>Camellia japonica</i> oil suppressed asthma occurrence via GATA-3 & IL-4 pathway and its effective and major component is oleic acid. <i>Phytomedicine</i> , 2019, 57, 84-94.	5.3	36
9	Enhancement of glucose yield from canola agricultural residue by alkali pretreatment based on multi-regression models. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 51, 303-311.	5.8	33
10	Enhancement of enzymatic digestibility of <i>Miscanthus</i> by electron beam irradiation and chemical combined treatments for bioethanol production. <i>Chemical Engineering Journal</i> , 2015, 275, 227-234.	12.7	31
11	Enhancement of hydrolysis of <i>Chlorella vulgaris</i> by hydrochloric acid. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1015-1021.	3.4	30
12	Phenolic compounds: Strong inhibitors derived from lignocellulosic hydrolysate for 2,3-butanediol production by <i>Enterobacter aerogenes</i> . <i>Biotechnology Journal</i> , 2015, 10, 1920-1928.	3.5	29
13	Improvement of sugar recovery from <i>Sida acuta</i> (Thailand Weed) by NaOH pretreatment and application to bioethanol production. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2413-2420.	2.7	28
14	Lipase from <i>Penicillium camembertii</i> KCCM 11268: Optimization of solid state fermentation and application to biodiesel production. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 405-412.	2.7	25
15	Biodiesel production by enzymatic process using <i>Jatropha</i> oil and waste soybean oil. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 703-708.	2.6	25
16	Evaluation of the overall process on bioethanol production from <i>Miscanthus</i> hydrolysates obtained by dilute acid pretreatment. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 733-742.	2.6	25
17	Improved Cordycepin Production by <i>Cordyceps militaris</i> KYLO5 Using Casein Hydrolysate in Submerged Conditions. <i>Biomolecules</i> , 2019, 9, 461.	4.0	25
18	Fabrication of Functional Bioelastomer for Food Packaging from <i>Aronia</i> (<i>Aronia melanocarpa</i>) Juice Processing By-Products. <i>Foods</i> , 2020, 9, 1565.	4.3	25

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19	Kinetic modeling of biodiesel production by mixed immobilized and co-immobilized lipase systems under two pressure conditions. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1272-1276.	2.7	24
20	Improved fermentation of lignocellulosic hydrolysates to 2,3-butanediol through investigation of effects of inhibitory compounds by <i>Enterobacter aerogenes</i> . <i>Chemical Engineering Journal</i> , 2016, 306, 916-924.	12.7	24
21	Statistical Optimization of Alkali Pretreatment to Improve Sugars Recovery from Spent Coffee Grounds and Utilization in Lactic Acid Fermentation. <i>Processes</i> , 2021, 9, 494.	2.8	23
22	Low Temperature and Cold Stress Significantly Increase Saxitoxins (STXs) and Expression of STX Biosynthesis Genes <i>sxtA4</i> and <i>sxtG</i> in the Dinoflagellate <i>Alexandrium catenella</i> . <i>Marine Drugs</i> , 2021, 19, 291.	4.6	21
23	Enhanced Production of Bacterial Cellulose from <i>Miscanthus</i> as Sustainable Feedstock through Statistical Optimization of Culture Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 866.	2.6	21
24	An Extremely Alkaline Novel Xylanase from a Newly Isolated <i>Streptomyces</i> Strain Cultivated in Corn cob Medium. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2017-2027.	2.9	20
25	Enhanced electron transfer mediator based on biochar from microalgal sludge for application to bioelectrochemical systems. <i>Bioresource Technology</i> , 2018, 264, 387-390.	9.6	20
26	Co-fermentation of carbon sources by <i>Enterobacter aerogenes</i> ATCC 29007 to enhance the production of bioethanol. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1073-1084.	3.4	19
27	Re-utilization of waste glycerol for continuous production of bioethanol by immobilized <i>Enterobacter aerogenes</i> . <i>Journal of Cleaner Production</i> , 2017, 161, 757-764.	9.3	19
28	Significant impact of casein hydrolysate to overcome the low consumption of glycerol by <i>Klebsiella aerogenes</i> ATCC 29007 and its application to bioethanol production. <i>Energy Conversion and Management</i> , 2020, 221, 113181.	9.2	19
29	Optimization of Lutein Recovery from <i>Tetraselmis suecica</i> by Response Surface Methodology. <i>Biomolecules</i> , 2021, 11, 182.	4.0	19
30	Transesterification of Waste Cooking Oil by an Organic Solvent-Tolerant Alkaline Lipase from <i>Streptomyces</i> sp. CS273. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1377-1389.	2.9	18
31	Understanding α -mannanase from <i>Streptomyces</i> sp. CS147 and its potential application in lignocellulose based biorefining. <i>Biotechnology Journal</i> , 2015, 10, 1894-1902.	3.5	18
32	Improved production of bacterial cellulose through investigation of effects of inhibitory compounds from lignocellulosic hydrolysates. <i>GCB Bioenergy</i> , 2021, 13, 436-444.	5.6	16
33	Recent advancements in biochar production according to feedstock classification, pyrolysis conditions, and applications: A review. <i>BioResources</i> , 2021, 16, 6512-6547.	1.0	16
34	Enhanced L-Lysine into 1,5-Diaminopentane Conversion via Statistical Optimization of Whole-Cell Decarboxylation System. <i>Polymers</i> , 2019, 11, 1372.	4.5	15
35	Production of xylanase from a novel engineered <i>Pichia pastoris</i> and application to enzymatic hydrolysis process for biorefinery. <i>Process Biochemistry</i> , 2018, 65, 130-135.	3.7	14
36	The next-generation biomass for biorefining. <i>BioResources</i> , 2021, 16, 2188-2191.	1.0	14

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37	Energy-efficient glucose recovery from chestnut shell by optimization of NaOH pretreatment at room temperature and application to bioethanol production. <i>Environmental Research</i> , 2022, 208, 112710.	7.5	14
38	Improved Productivity of Naringin Oleate with Flavonoid and Fatty Acid by Efficient Enzymatic Esterification. <i>Antioxidants</i> , 2022, 11, 242.	5.1	13
39	Improvement of power generation of enzyme fuel cell by novel GO/Co/chitosan electrodeposition. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 108-114.	5.8	12
40	Improved Glucose Recovery from <i>Sicyos angulatus</i> by NaOH Pretreatment and Application to Bioethanol Production. <i>Processes</i> , 2021, 9, 245.	2.8	12
41	Development of glycerol-utilizing <i>Escherichia coli</i> strain for the production of bioethanol. <i>Enzyme and Microbial Technology</i> , 2013, 53, 206-215.	3.2	11
42	A novel low-molecular weight alkaline mannanase from <i>Streptomyces tendae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 453-461.	2.6	11
43	An Extracellular Chitinase from <i>Streptomyces</i> sp. CS147 Releases N-acetyl-d-glucosamine (GlcNAc) as Principal Product. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 372-386.	2.9	11
44	Enhanced In-Vitro Hemozoin Polymerization by Optimized Process using Histidine-Rich Protein II (HRPII). <i>Polymers</i> , 2019, 11, 1162.	4.5	11
45	Improved Sugar Recovery from Orange Peel by Statistical Optimization of Thermo-Alkaline Pretreatment. <i>Processes</i> , 2021, 9, 409.	2.8	11
46	Improvement of Enzymatic Glucose Conversion from Chestnut Shells through Optimization of KOH Pretreatment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3772.	2.6	11
47	Development of Electron Transfer Mediator Using Modified Graphite Oxide/Cobalt for Enzymatic Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2015, 162, G113-G118.	2.9	10
48	Development of GO/Co/Chitosan-Based Nano-Biosensor for Real-Time Detection of D-Glucose. <i>Biosensors</i> , 2022, 12, 464.	4.7	10
49	The hydrolysate of barley straw containing inhibitors can be used to produce cephalosporin C by solvent extraction using ethyl acetate. <i>Process Biochemistry</i> , 2014, 49, 2203-2206.	3.7	9
50	Improved reutilization of industrial crude lysine to 1,5-diaminopentane by enzymatic decarboxylation using various detergents and organic solvents. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1854-1859.	2.7	9
51	Continuous production of bioethanol using microalgal sugars extracted from <i>Nannochloropsis gaditana</i> . <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 71-76.	2.7	9
52	Production of cellulases and β -glucosidase in <i>Trichoderma reesei</i> mutated by proton beam irradiation. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 925-930.	2.7	8
53	Immobilization of acetyl xylan esterase on modified graphite oxide and utilization to peracetic acid production. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 1042-1047.	2.6	8
54	Utilization of algal sugars and glycerol for enhanced cephalosporin C production by <i>Acremonium chrysogenum</i> M35. <i>Letters in Applied Microbiology</i> , 2017, 64, 66-72.	2.2	8

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55	A novel cold-adapted lipase, LP28, from a mesophilic <i>Streptomyces</i> strain. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 217-225.	3.4	7
56	The potential of waste microalgal hydrolysate for power generation in enzymatic fuel cell. <i>Journal of Cleaner Production</i> , 2018, 187, 903-909.	9.3	7
57	High potential of microalgal sludge biochar for a flexible all-solid-state microsupercapacitor. <i>Journal of Energy Storage</i> , 2021, 44, 103458.	8.1	7
58	Development of 2,3-Butanediol Production Process from <i>Klebsiella aerogenes</i> ATCC 29007 Using Extracted Sugars of <i>Chlorella pyrenoidosa</i> and Biodiesel-Derived Crude Glycerol. <i>Processes</i> , 2021, 9, 517.	2.8	6
59	Efficient Production of Naringin Acetate with Different Acyl Donors via Enzymatic Transesterification by Lipases. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2972.	2.6	6
60	Efficient immobilization technique for enhancement of cellobiose dehydrogenase activity on silica gel. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 55-59.	2.6	4
61	An ammonium sulfate sensitive endoxylanase produced by <i>Streptomyces</i> . <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 819-825.	3.4	4
62	Mechanical Improvement of Biochar-Alginate Composite by Using Melamine Sponge as Support and Application to Cu(II) Removal. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2037-2049.	5.0	4
63	Improved Productivity of Astaxanthin from Photosensitive <i>Haematococcus pluvialis</i> Using Phototaxis Technology. <i>Marine Drugs</i> , 2022, 20, 220.	4.6	4
64	Rapid and concise quantification of mycelial growth by microscopic image intensity model and application to mass cultivation of fungi. <i>Scientific Reports</i> , 2021, 11, 24157.	3.3	3
65	Reutilization of carbon sources through sugar recovery from waste rice straw. <i>Renewable Energy</i> , 2013, 53, 43-48.	8.9	2
66	Statistical optimization of critical parameters for alkaline treatments of canola agricultural residue by advanced regression model. <i>New Biotechnology</i> , 2014, 31, S96-S97.	4.4	0
67	Research Trend of Lactulose Production from Lactose. <i>Korean Chemical Engineering Research</i> , 2014, 52, 407-412.	0.2	0