

Arief Widjaja

List of Publications by Year in descending order

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38
papers

847
citations

840776

11
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of increasing lipid production from fresh water microalgae <i>Chlorella vulgaris</i> . Journal of the Taiwan Institute of Chemical Engineers, 2009, 40, 13-20.	5.3	466
2	An integrated green process: Subcritical water, enzymatic hydrolysis, and fermentation, for biohydrogen production from coconut husk. Bioresource Technology, 2018, 249, 268-275.	9.6	58
3	Enzymatic Synthesis of Cinnamic Acid Derivatives. Biotechnology Letters, 2006, 28, 581-585.	2.2	48
4	Enzymatic synthesis of caffeic acid phenethyl ester. Journal of the Taiwan Institute of Chemical Engineers, 2008, 39, 413-418.	1.4	48
5	Enhancement of sugar production from coconut husk based on the impact of the combination of surfactant-assisted subcritical water and enzymatic hydrolysis. Bioresource Technology, 2019, 274, 89-96.	9.6	21
6	Identification of phytochemical compounds in <i>Calophyllum inophyllum</i> leaves. Asian Pacific Journal of Tropical Biomedicine, 2017, 7, 773-781.	1.2	19
7	Application of Ionic Liquid [DMIM]DMP Pretreatment in the Hydrolysis of Sugarcane Bagasse for Biofuel Production. Bulletin of Chemical Reaction Engineering and Catalysis, 2015, 10, .	1.1	15
8	Preparation of Reducing Sugar Hydrolyzed from High-Lignin Coconut Coir Dust Pretreated by the Recycled Ionic Liquid [mmim][dmp] and Combination with Alkaline. Bulletin of Chemical Reaction Engineering and Catalysis, 2015, 10, 8-22.	1.1	14
9	Kinetics and Mechanism of Acetate Kinase From <i>Bacillus Stearothermophilus</i> . Journal of Chemical Engineering of Japan, 1995, 28, 517-524.	0.6	13
10	Comparative Study of the Preparation of Reducing Sugars Hydrolyzed from High-Lignin Lignocellulose Pretreated with Ionic Liquid, Alkaline Solution and Their Combination. Journal of Engineering and Technological Sciences, 2015, 47, 137-148.	0.6	13
11	The utilization of <i>Xylocarpus moluccensis</i> seed oil as biodiesel feedstock in Indonesia. Industrial Crops and Products, 2014, 52, 286-291.	5.2	12
12	Experimental investigation of fructose 1,6-diphosphate production and simultaneous ATP regeneration by conjugated enzymes in an ultrafiltration hollow-fiber reactor. Journal of Bioscience and Bioengineering, 1999, 88, 640-645.	2.2	9
13	Combined subcritical water and enzymatic hydrolysis for reducing sugar production from coconut husk. AIP Conference Proceedings, 2017, , .	0.4	9
14	The kinetics and mechanism of a reaction catalyzed by <i>Bacillus stearothermophilus</i> phosphoglucose isomerase. Journal of Bioscience and Bioengineering, 1998, 86, 324-331.	0.9	8
15	Theoretical investigation of fructose 1,6-diphosphate production and simultaneous ATP regeneration by conjugated enzymes in an ultrafiltration hollow-fiber reactor. Journal of Bioscience and Bioengineering, 1999, 88, 632-639.	2.2	8
16	Enzymatic synthesis of fructose 1,6-Diphosphate with ATP regeneration in a batch reactor and a semibatch reactor using purified enzymes of <i>Bacillus stearothermophilus</i> . Journal of Bioscience and Bioengineering, 1999, 87, 611-618.	2.2	8
17	Separation of Campesterol and β -Sitosterol from a Sterol Mixture. Separation Science and Technology, 2006, 41, 3027-3038.	2.5	8
18	Cellulase and Xylanase Immobilized on Chitosan Magnetic Particles for Application in Coconut Husk Hydrolysis. International Journal of Technology, 2019, 10, 613.	0.8	8

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19	Kinetics of Reducing Sugar Formation from Coconut Husk by Subcritical Water Hydrolysis. <i>Journal of Physics: Conference Series</i> , 2019, 1373, 012006.	0.4	7
20	Comparative Study of Batchwise Solvent Extraction and the Microwave Assisted Extraction Method for the Purification of Triglyceride for Biodiesel Feedstock from Crude Calophyllum Inophyllum Oil (CCIO). <i>International Journal of Technology</i> , 2019, 10, 551.	0.8	7
21	Enhancing Enzymatic Digestibility of Coconut Husk using Nitrogen-assisted Subcritical Water for Sugar Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 84-95.	1.1	7
22	Effect of Severity Factor on the Subcritical Water and Enzymatic Hydrolysis of Coconut Husk for Reducing Sugar Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 786-797.	1.1	7
23	Isolation and identification of cholestane and dihydropyrene from Calophyllum inophyllum. <i>Heliyon</i> , 2019, 5, e02893.	3.2	5
24	Enzymatic production of fructose 1,6-diphosphate using crude cell extract of <i>Bacillus stearothermophilus</i> . <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 693-696.	2.2	4
25	Electrochemical synthesis of nanosized hydroxyapatite by pulsed direct current method. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	4
26	Synergistic Effect of Two Type Cellulase Immobilized on Chitosan Microparticle as Biocatalyst for Coconut Husk Hydrolysis. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 495.	0.8	4
27	Kinetic Studies of Phytosterol Adsorption on Zeolite. <i>Separation Science and Technology</i> , 2007, 42, 611-624.	2.5	3
28	Effect of temperature and mixing speed on immobilization of crude enzyme from <i>Aspergillus niger</i> on chitosan for hydrolyzing cellulose. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
29	The use of mud as an alternative source for bioelectricity using microbial fuel cells. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
30	Fatty acid fragmentation of triacylglycerol isolated from crude nyamplung oil. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
31	Separation and Purification of Wax from Nyamplung (&i>Calophyllum inophyllum</i>) Seed Oil. <i>Materials Science Forum</i> , 0, 964, 1-6.	0.3	2
32	A Performance Study of Home-Made Co-Immobilized Lipase from <i>Mucor miehei</i> in Polyurethane Foam on The Hydrolysis of Coconut Oil to Fatty Acid. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2019, 14, 391.	1.1	2
33	The effect UV-B mutation on biodiesel from microalgae <i>Botryococcus braunii</i> using esterification, transesterification and combination of esterification-transesterification. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
34	Influence of alkaline addition on the composition and yield on the hydrothermal treatment of rice straw. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 537-542.	0.8	1
35	Mathematical Modelling of Alkaline and Ionic Liquid Pretreated Coconut Husk Enzymatic Hydrolysis. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, 331-341.	1.1	0
36	Separation of xanthone and vitamin E from Calophyllum inophyllum leaf. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2018, 14, 484-489.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Study of The Composition, Fuel Parameter, and Triangular Graph of A Gasoline and Aqueous Ethanol Fuel Blend in a Single Phase. <i>Revista De Chimie (discontinued)</i> , 2020, 71, 113-123.	0.4	0
38	Study of Aqueous Ethanol-Diesel-Biodiesel Prepared by Near-Isochoric Sub Critical Trans-Esterification. <i>WSEAS Transactions on Environment and Development</i> , 2022, 18, 405-416.	0.7	0