Mimi Sakinah Abdul Munaim

List of Publications by Year
in descending order

77 papers	2,772 citations	182225 30 h-index	214428 50 g-index
79 all docs	79 docs citations	79 times ranked	3288 citing authors

#	Article	IF	Citations
1	Bioconversion of Glycerol into Biofuelsâ€"Opportunities and Challenges. Bioenergy Research, 2022, 15, 46-61.	2.2	16
2	Advances in solid-state fermentation for bioconversion of agricultural wastes to value-added products: Opportunities and challenges. Bioresource Technology, 2022, 343, 126065.	4.8	144
3	Optimization of total phenolic compounds extracted from propolis by ultrasound- assisted extraction. Chemical Engineering Communications, 2021, 208, 564-572.	1.5	11
4	Design and optimization of a probiotic tablet for gastrointestinal tolerance by a simplex-centroid mixture. Drug Development and Industrial Pharmacy, 2021, 47, 189-196.	0.9	6
5	Glycerol waste to value added products and its potential applications. Systems Microbiology and Biomanufacturing, 2021, 1, 378-396.	1.5	56
6	Immobilization of recombinant Escherichia coli on multi-walled carbon nanotubes for xylitol production. Enzyme and Microbial Technology, 2020, 135, 109495.	1.6	21
7	Optimization of operating parameters for xylose reductase separation through ultrafiltration membrane using response surface methodology. Biotechnology Reports (Amsterdam, Netherlands), 2020, 27, e00498.	2.1	9
8	Sensitivity analysis of xylose production process using aspen plus. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022110.	0.3	1
9	Application of experimental designs and response surface methods in screening and optimization of reverse micellar extraction. Critical Reviews in Biotechnology, 2020, 40, 341-356.	5.1	18
10	Reverse micellar modified mixed anionic and zwitterionic surfactant system for antibiotic extraction. Separation and Purification Technology, 2019, 229, 115816.	3.9	11
11	High methoxyl pectin extracts from Hylocereus polyrhizus's peels: Extraction kinetics and thermodynamic studies. International Journal of Biological Macromolecules, 2019, 141, 1147-1157.	3.6	32
12	Partitioning isotherm and kinetic of erythromycin into mixed reverse micelle during forward transfer. Journal of Molecular Liquids, 2019, 288, 111086.	2.3	5
13	Isooctane-based anionic and zwitterionic surfactant: Synergistic interaction of mixed reverse micelle and solubilisation of erythromycin. Journal of Molecular Liquids, 2019, 286, 110882.	2.3	15
14	Hylocereus polyrhizus peel's high-methoxyl pectin: A potential source of hypolipidemic agent. International Journal of Biological Macromolecules, 2019, 134, 361-367.	3.6	19
15	Identification and Evaluation of Probiotic Potential in Yeast Strains Found in Kefir Drink Samples from Malaysia. International Journal of Food Engineering, 2019, 15, .	0.7	8
16	Accelerated two-stage bioprocess for hydrogen and methane production from palm oil mill effluent using continuous stirred tank reactor and microbial electrolysis cell. Journal of Cleaner Production, 2019, 229, 84-93.	4.6	64
17	Outlook of fermentative hydrogen production techniques: An overview of dark, photo and integrated dark-photo fermentative approach to biomass. Energy Strategy Reviews, 2019, 24, 27-37.	3.3	206
18	Fractional Factorial Analysis for Identifying Significant Factors in Extraction of Jacalin From Jackfruit Seeds Using Anionic Reverse Micellar System. Materials Today: Proceedings, 2019, 19, 1638-1646.	0.9	2

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19	Response surface methodology based optimization of sorbitol production via solid state fermentation process. Engineering in Agriculture, Environment and Food, 2019, 12, 150-154.	0.2	4
20	High performance electrocoagulation process in treating palm oil mill effluent using high current intensity application. Chinese Journal of Chemical Engineering, 2019, 27, 208-217.	1.7	54
21	Effect of Key Parameters on Jacalin Extraction from Aqueous Phase into Anionic Reverse Micelles. Indonesian Journal of Chemistry, 2019, 19, 737.	0.3	2
22	Extraction of Phytosterol Concentration in Different Legume Pods by Using Microwave-Assisted Hydrodistillation. Indonesian Journal of Chemistry, 2019, 19, 796.	0.3	4
23	Characterization of flavonoids from fern Cheilanthes tenuifolia and evaluation of antioxidant, antimicrobial and anticancer activities. Journal of King Saud University - Science, 2018, 30, 425-432.	1.6	27
24	Potent anticancer, antioxidant and antibacterial activities of isolated flavonoids from Asplenium nidus. Journal of King Saud University - Science, 2018, 30, 185-192.	1.6	47
25	Production of High Commercial Value Xylooligosaccharides from Meranti Wood Sawdust Using Immobilised Xylanase. Applied Biochemistry and Biotechnology, 2018, 184, 278-290.	1.4	19
26	Electrode design for electrochemical cell to treat palm oil mill effluent by electrocoagulation process. Environmental Technology and Innovation, 2018, 9, 323-341.	3.0	34
27	Effect of time, moisture content, and substrate amount on sorbitol production using entrapment of Lactobacillus plantarum (BAA-793) in sodium alginate beads. Food Bioscience, 2018, 21, 27-33.	2.0	10
28	Photohydrogen production from dark-fermented palm oil mill effluent (DPOME) and statistical optimization: Renewable substrate for hydrogen. Journal of Cleaner Production, 2018, 199, 11-17.	4.6	37
29	The combined effect of ultrasonic and microwave pre-treatment on bio-methane generation from co-digestion of petrochemical wastewater. Journal of Cleaner Production, 2017, 145, 303-309.	4.6	41
30	An investigation of twoâ€stage thermophilic and mesophilic fermentation process for the production of hydrogen and methane from palm oil mill effluent. Environmental Progress and Sustainable Energy, 2017, 36, 895-902.	1.3	15
31	Comparison of process stability in methane generation from palm oil mill effluent using dairy manure as inoculum. Environmental Technology and Innovation, 2017, 8, 360-365.	3.0	20
32	Fermentative hydrogen production from indigenous mesophilic strain Bacillus anthracis PUNAJAN 1 newly isolated from palm oil mill effluent. International Journal of Hydrogen Energy, 2017, 42, 16054-16063.	3.8	47
33	Role of organic loading rate in bioenergy generation from palm oil mill effluent in a two-stage up-flow anaerobic sludge blanket continuous-stirred tank reactor. Journal of Cleaner Production, 2017, 142, 3044-3049.	4.6	31
34	Lead induced oxidative stress and alteration in the activities of antioxidative enzymes in rice shoots. Biologia Plantarum, 2017, 61, 595-598.	1.9	39
35	Efficient production of succinic acid in immobilized fermentation with crude glycerol from Escherichia coli. Food Research, 2017, 2, 110-118.	0.3	2
36	Production of sorbitol by repeated batch fermentation using immobilized of Lactobacillus plantarum Strain (BAA-793) via Solid State Fermentation. Food Research, 2017, 1, 176-182.	0.3	2

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37	Purification of bioxylitol by liquidâ€“liquid extraction from enzymatic reaction mixture. Separation Science and Technology, 2016, 51, 2369-2377.	1.3	11
38	Effect of organic loading rate on hydrogen (H 2) and methane (CH 4) production in two-stage fermentation under thermophilic conditions using palm oil mill effluent (POME). Energy for Sustainable Development, 2016, 34, 130-138.	2.0	52
39	Enhanced hydrogen production from palm oil mill effluent using two stage sequential dark and photo fermentation. International Journal of Hydrogen Energy, 2016, 41, 18431-18440.	3.8	104
40	Role of hydraulic retention time in enhancing bioenergy generation from petrochemical wastewater. Journal of Cleaner Production, 2016, 133, 504-510.	4.6	14
41	Process enhancement of hydrogen and methane production from palm oil mill effluent using two-stage thermophilic and mesophilic fermentation. International Journal of Hydrogen Energy, 2016, 41, 12888-12898.	3.8	91
42	Effect of food to microbe ratio variation on anaerobic co-digestion of petrochemical wastewater with manure. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 451-457.	2.7	9
43	Role of biogas recirculation in enhancing petrochemical wastewater treatment efficiency of continuous stirred tank reactor. Journal of Cleaner Production, 2015, 91, 229-234.	4.6	24
44	Evaluation of sawdust hemicellulosic hydrolysate for bioproduction of xylitol by enzyme xylose reductase. Food and Bioproducts Processing, 2015, 94, 82-89.	1.8	9
45	Inhibition by toxic compounds in the hemicellulosic hydrolysates on the activity of xylose reductase from Candida tropicalis. Biotechnology Letters, 2015, 37, 191-196.	1.1	20
46	Influence of flow rate variation on bio-energy generation during anaerobic co-digestion. Journal of Industrial and Engineering Chemistry, 2015, 27, 44-49.	2.9	13
47	Enzymatic Production of Bioxylitol from Sawdust Hydrolysate: Screening of Process Parameters. Applied Biochemistry and Biotechnology, 2015, 176, 1071-1083.	1.4	18
48	Biochemical Properties of Xylose Reductase Prepared from Adapted Strain of Candida tropicalis. Applied Biochemistry and Biotechnology, 2015, 175, 387-399.	1.4	15
49	Feasibility analysis of anaerobic co-digestion of activated manure and petrochemical wastewater in Kuantan (Malaysia). Journal of Cleaner Production, 2015, 106, 380-388.	4.6	24
50	Mesophilic and thermophilic biomethane production by co-digesting pretreated petrochemical wastewater with beef and dairy cattle manure. Journal of Industrial and Engineering Chemistry, 2014, 20, 331-337.	2.9	41
51	Assessment of Heavy Metals Tolerance in Leaves, Stems and Flowers of Stevia Rebaudiana Plant. Procedia Environmental Sciences, 2014, 20, 386-393.	1.3	62
52	Effect of substrate and enzyme concentration on cyclodextrin production in a hollow fibre membrane reactor system. Separation and Purification Technology, 2014, 124, 61-67.	3.9	20
53	Production of Xylose from Meranti Wood Sawdust by Dilute Acid Hydrolysis. Applied Biochemistry and Biotechnology, 2014, 174, 542-555.	1.4	26
54	Production of xylose reductase from adapted Candida tropicalis grown in sawdust hydrolysate. Biocatalysis and Agricultural Biotechnology, 2014, 3, 227-235.	1.5	6

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55	Application of immobilized upflow anaerobic sludge blanket reactor using Clostridium LS2 for enhanced biohydrogen production and treatment efficiency of palm oil mill effluent. International Journal of Hydrogen Energy, 2013, 38, 2221-2229.	3.8	48
56	Biohydrogen production from palm oil mill effluent using immobilized Clostridium butyricum EB6 in polyethylene glycol. Process Biochemistry, 2013, 48, 294-298.	1.8	51
57	Processes for the Production of Xylitolâ€"A Review. Food Reviews International, 2013, 29, 127-156.	4.3	134
58	Application of polyethylene glycol immobilized Clostridium sp. LS2 for continuous hydrogen production from palm oil mill effluent in upflow anaerobic sludge blanket reactor. Biochemical Engineering Journal, 2013, 70, 158-165.	1.8	73
59	Biohydrogen production from palm oil mill effluent using immobilized mixed culture. Journal of Industrial and Engineering Chemistry, 2013, 19, 659-664.	2.9	66
60	Biofouling mitigation usingPiper betleextract in ultrafiltration MBR. Desalination and Water Treatment, 2013, 51, 6940-6951.	1.0	14
61	Design of process parameters for the production of xylose from wood sawdust. Chemical Engineering Research and Design, 2012, 90, 1307-1312.	2.7	35
62	Targeting N-acyl-homoserine-lactones to mitigate membrane biofouling based on quorum sensing using a biofouling reducer. Journal of Biotechnology, 2012, 161, 190-197.	1.9	66
63	Kinetic studies on acid hydrolysis of Meranti wood sawdust for xylose production. Chemical Engineering Science, 2012, 71, 431-437.	1.9	46
64	The anti-biofouling effect of Piper betle extract against Pseudomonas aeruginosa and bacterial consortium. Desalination, 2012, 288, 24-30.	4.0	38
65	Fabrication and characterization of integrally skinnedâ€oriented highly selective charged asymmetric low pressure poly(ether sulfone) membranes for nanofiltration. Journal of Chemical Technology and Biotechnology, 2012, 87, 559-569.	1.6	4
66	Mitigation of Biofouling by Reducing Biofilm Formation and Extracellular Polymeric Substances. Journal of Applied Sciences, 2012, 12, 1191-1194.	0.1	2
67	Application of fractional factorial design (FFD) for screening of significant factor in influencing succinic acid production from biodiesel based glycerol: Using Escherichia coli. , 2011, , .		1
68	Role of natural organic matter (NOM), colloidal particles, and solution chemistry on ultrafiltration performance. Separation and Purification Technology, 2011, 78, 189-200.	3.9	81
69	Application and Challenges of Membrane in Surface Water Treatment. Journal of Applied Sciences, 2010, 10, 380-390.	0.1	28
70	Production of Biofertilizer from Vermicomposting Process of Municipal Sewage Sludge. Journal of Applied Sciences, 2010, 10, 580-584.	0.1	15
71	Application of coagulationâ€"ultrafiltration hybrid process for drinking water treatment: Optimization of operating conditions using experimental design. Separation and Purification Technology, 2009, 65, 193-210.	3.9	84
72	Influence of starch pretreatment on yield of cyclodextrins and performance of ultrafiltration membranes. Desalination, 2009, 239, 317-333.	4.0	17

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73	Cyclodextrin production in hollow fiber membrane reactor system: Effect of substrate preparation. Separation and Purification Technology, 2008, 63, 163-171.	3.9	10
74	Fouling characteristics and autopsy of a PES ultrafiltration membrane in cyclodextrins separation. Desalination, 2007, 207, 227-242.	4.0	30
75	The effects of natural organic matter (NOM) fractions on fouling characteristics and flux recovery of ultrafiltration membranes. Desalination, 2007, 212, 191-208.	4.0	175
76	Fabrication, fouling and foulant analyses of asymmetric polysulfone (PSF) ultrafiltration membrane fouled with natural organic matter (NOM) source waters. Journal of Membrane Science, 2007, 299, 97-113.	4.1	112
77	Development of Enzymatic Membrane Reactor (EMR) for Cyclodextrins Production. Journal of Applied Sciences, 2007, 7, 2028-2032.	0.1	2