Suraini Abd-Aziz

List of Publications by Year
in descending order

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99 papers	2,578 citations	147566 31 h-index	233125 45 g-index
114 all docs	114 docs citations	114 times ranked	2696 citing authors

#	Article	IF	Citations
1	Turning waste to wealth-biodegradable plastics polyhydroxyalkanoates from palm oil mill effluent â€“ a Malaysian perspective. Journal of Cleaner Production, 2010, 18, 1393-1402.	4.6	109
2	Simultaneous enzymatic saccharification and ABE fermentation using pretreated oil palm empty fruit bunch as substrate to produce butanol and hydrogen as biofuel. Renewable Energy, 2015, 77, 447-455.	4.3	94
3	Co-Composting of Empty Fruit Bunches and Partially Treated Palm Oil Mill Effluents in Pilot Scale. International Journal of Agricultural Research, 2009, 4, 69-78.	0.0	94
4	Cellulosic biobutanol by Clostridia: Challenges and improvements. Renewable and Sustainable Energy Reviews, 2017, 79, 1241-1254.	8.2	87
5	Effect of steam pretreatment on oil palm empty fruit bunch for the production of sugars. Biomass and Bioenergy, 2012, 36, 280-288.	2.9	86
6	Harnessing the potential of ligninolytic enzymes for lignocellulosic biomass pretreatment. Applied Microbiology and Biotechnology, 2016, 100, 5231-5246.	1.7	83
7	Advanced bioprocessing strategies for biobutanol production from biomass. Renewable and Sustainable Energy Reviews, 2018, 91, 1192-1204.	8.2	77
8	Sago starch and its utilisation. Journal of Bioscience and Bioengineering, 2002, 94, 526-529.	1.1	72
9	Biovanillin from agro wastes as an alternative food flavour. Journal of the Science of Food and Agriculture, 2013, 93, 429-438.	1.7	66
10	Enzyme Production and Profile by <I>Aspergillus niger</I> During Solid Substrate Fermentation Using Palm Kernel Cake as Substrate. Applied Biochemistry and Biotechnology, 2004, 118, 073-080.	1.4	61
11	Reduction of residual pollutants from biologically treated palm oil mill effluent final discharge by steam activated bioadsorbent from oil palm biomass. Journal of Cleaner Production, 2017, 141, 122-127.	4.6	58
12	Optimization of bioethanol production from glycerol by Escherichia coli SS1. Renewable Energy, 2014, 66, 625-633.	4.3	56
13	Production of Biosurfactant Produced from Used Cooking Oil by Bacillus sp. HIP3 for Heavy Metals Removal. Molecules, 2019, 24, 2617.	1.7	55
14	Biosynthesis and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) copolymer from wild-type Comamonas sp. EB172. Polymer Degradation and Stability, 2010, 95, 1382-1386.	2.7	53
15	A potential resource for bioconversion of domestic wastewater sludge. Bioresource Technology, 2002, 85, 263-272.	4.8	51
16	Reduction of POME final discharge residual using activated bioadsorbent from oil palm kernel shell. Journal of Cleaner Production, 2018, 182, 830-837.	4.6	48
17	Sago Pith Residue as an Alternative Cheap Substrate for Fermentable Sugars Production. Applied Biochemistry and Biotechnology, 2012, 167, 122-131.	1.4	45
18	FILAMENTOUS FUNGI IN INDAH WATER KONSORTIUM (IWK) SEWAGE TREATMENT PLANT FOR BIOLOGICAL TREATMENT OF DOMESTIC WASTEWATER SLUDGE. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 309-320.	0.9	44

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19	Oil Palm Empty Fruit Bunch as Alternative Substrate for Acetoneâ€“Butanolâ€“Ethanol Production by Clostridium butyricum EB6. Applied Biochemistry and Biotechnology, 2012, 166, 1615-1625.	1.4	43
20	Pre-treatment of Oil Palm Biomass for Fermentable Sugars Production. Molecules, 2018, 23, 1381.	1.7	43
21	Polyhydroxyalkanoate production from anaerobically treated palm oil mill effluent by new bacterial strain Comamonas sp. EB172. World Journal of Microbiology and Biotechnology, 2010, 26, 767-774.	1.7	41
22	Recovery of Glucose from Residual Starch of Sago Hampas for Bioethanol Production. BioMed Research International, 2013, 2013, 1-8.	0.9	41
23	Utilization of oil palm decanter cake for cellulase and polyoses production. Biotechnology and Bioprocess Engineering, 2012, 17, 547-555.	1.4	40
24	Preparation of bioactive peptides with high angiotensin converting enzyme inhibitory activity from winged bean [Psophocarpus tetragonolobus (L.) DC.] seed. Journal of Food Science and Technology, 2014, 51, 3658-3668.	1.4	40
25	Acetoneâ€“Butanolâ€“Ethanol Production by Clostridium acetobutylicum ATCC 824 Using Sago Pith Residues Hydrolysate. Bioenergy Research, 2013, 6, 321-328.	2.2	38
26	Title is missing!. Water, Air, and Soil Pollution, 2003, 149, 113-126.	1.1	37
27	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 849-856.	1.7	36
28	Optimized lipase-catalyzed synthesis of adipate ester in a solvent-free system. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1149-1155.	1.4	34
29	Bioconversion of glycerol for bioethanol production using isolated Escherichia coli SS1. Brazilian Journal of Microbiology, 2012, 43, 506-516.	0.8	34
30	Characteristics and Microbial Succession in Co-Composting of Oil Palm Empty Fruit Bunch and Partially Treated Palm Oil Mill Effluent. Open Biotechnology Journal, 2009, 3, 87-95.	0.6	33
31	Enzymatic Hydrolysis of Palm Oil Mill Effluent Solid Using Mixed Cellulases from Locally Isolated Fungi. Research Journal of Microbiology, 2008, 3, 474-481.	0.2	33
32	Comparison of hydro-distillation, hydro-distillation with enzyme-assisted and supercritical fluid for the extraction of essential oil from pineapple peels. 3 Biotech, 2019, 9, 234.	1.1	29
33	Crude Cellulase from Oil Palm Empty Fruit Bunch by Trichoderma asperellum UPM1 and Aspergillus fumigatus UPM2 for Fermentable Sugars Production. Applied Biochemistry and Biotechnology, 2013, 170, 1320-1335.	1.4	28
34	Optimization of metallo-keratinase production by Pseudomonas sp. LM19 as a potential enzyme for feather waste conversion. Biocatalysis and Biotransformation, 2017, 35, 41-50.	1.1	26
35	Effect of Agitation and Aeration Rates on Chitinase Production Using Trichoderma virens UKM1 in 2-l Stirred Tank Reactor. Applied Biochemistry and Biotechnology, 2008, 150, 193-204.	1.4	25
36	Alkaline Hydrolysate of Oil Palm Empty Fruit Bunch as Potential Substrate for Biovanillin Production via Two-Step Bioconversion. Waste and Biomass Valorization, 2018, 9, 13-23.	1.8	24

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37	Enhancement of fermentable sugars production from oil palm empty fruit bunch by ligninolytic enzymes mediator system. International Biodeterioration and Biodegradation, 2015, 105, 13-20.	1.9	23
38	Optimisation of Simultaneous Saccharification and Fermentation (SSF) for Biobutanol Production Using Pretreated Oil Palm Empty Fruit Bunch. Molecules, 2018, 23, 1944.	1.7	23
39	Start-Up of Biohydrogen Production from Palm Oil Mill Effluent under Non-Sterile Condition in 50 L Continuous Stirred Tank Reactor. International Journal of Agricultural Research, 2009, 4, 163-168.	0.0	21
40	Medium optimization for chitinase production from Trichoderma virens using central composite design. Biotechnology and Bioprocess Engineering, 2009, 14, 781-787.	1.4	20
41	Microwave-assisted pre-carbonisation of palm kernel shell produced charcoal with high heating value and low gaseous emission. Journal of Cleaner Production, 2017, 142, 2945-2949.	4.6	20
42	Simultaneous saccharification and fermentation of sago hampas into biobutanol by Clostridium acetobutylicum <scp>ATCC</scp> 824. Energy Science and Engineering, 2019, 7, 66-75.	1.9	20
43	Effect of Buffering System on Acetone-Butanol-Ethanol Fermentation by Clostridium acetobutylicum ATCC 824 using Pretreated Oil Palm Empty Fruit Bunch. BioResources, 2015, 10, .	0.5	19
44	Delignification of Oil Palm Empty Fruit Bunch using Chemical and Microbial Pretreatment Methods. International Journal of Agricultural Research, 2009, 4, 250-256.	0.0	19
45	Direct Use of Spent Mushroom Substrate from Pleurotus pulmonarius as a Readily Delignified Feedstock for Cellulase Production. Waste and Biomass Valorization, 2019, 10, 839-850.	1.8	18
46	Biovanillin: production concepts and prevention of side product formation. Biomass Conversion and Biorefinery, 2020, 10, 589-609.	2.9	18
47	DOMESTIC WASTEWATER BIOSOLIDS ACCUMULATION BY LIQUID STATE BIOCONVERSION PROCESS FOR RAPID COMPOSTING. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 1533-1543.	0.9	17
48	A rapid colorimetric screening method for vanillic acid and vanillin-producing bacterial strains. Journal of Applied Microbiology, 2014, 116, 903-910.	1.4	17
49	Direct Bioelectricity Generation from Sago Hampas by Clostridium beijerinckii SR1 Using Microbial Fuel Cell. Molecules, 2019, 24, 2397.	1.7	17
50	Improved Biobutanol Production in 2-L Simultaneous Saccharification and Fermentation with Delayed Yeast Extract Feeding and in-situ Recovery. Scientific Reports, 2019, 9, 7443.	1.6	17
51	Enhancement of organic acids production from model kitchen waste via anaerobic digestion. African Journal of Biotechnology, 2011, 10, 14507-14515.	0.3	16
52	Isolation and Selection of Appropriate Cellulolytic Mixed Microbial Cultures for Cellulases Production from Oil Palm Empty Fruit Bunch. Biotechnology, 2009, 9, 73-78.	0.5	16
53	Growth of Bifidobacterium longum BB536 in medida (fermented cereal porridge) and their survival during refrigerated storage. Letters in Applied Microbiology, 2005, 41, 125-131.	1.0	15
54	Synthesis, Characterization, and Structural Properties of Intracellular Copolyester Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Produced byComamonassp. EB 172 from Renewable Resource. International Journal of Polymer Analysis and Characterization, 2010, 15, 329-340.	0.9	15

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55	STORAGE STABILITY OF CLARIFIED BANANA JUICE FORTIFIED WITH INULIN AND OLIGOFRUCTOSE. Journal of Food Processing and Preservation, 2009, 34, 599-610.	0.9	13
56	Optimization of operational conditions for adipate ester synthesis in a stirred tank reactor. Biotechnology and Bioprocess Engineering, 2010, 15, 846-853.	1.4	13
57	Adsorption of Vanillin Using Macroporous Resin H103. Adsorption Science and Technology, 2013, 31, 599-610.	1.5	13
58	Immunomodulatory Effects of Newcastle Disease Virus AF2240 Strain on Human Peripheral Blood Mononuclear Cells. International Journal of Medical Sciences, 2014, 11, 1240-1247.	1.1	13
59	Palm oil mill final discharge treatment by a continuous adsorption system using oil palm kernel shell activated carbon produced from two-in-one carbonization activation reactor system. Journal of Water Process Engineering, 2020, 36, 101262.	2.6	13
60	Lipaseâ€catalyzed dimethyl adipate synthesis: Response surface modeling and kinetics. Biotechnology Journal, 2010, 5, 848-855.	1.8	12
61	Sago Biomass as a Sustainable Source for Biohydrogen Production by Clostridium butyricum A1. BioResources, 2013, 9, .	0.5	12
62	Effect of Physical and Chemical Properties of Oil Palm Empty Fruit Bunch, Decanter Cake and Sago Pith Residue on Cellulases Production by Trichoderma asperellum UPM1 and Aspergillus fumigatus UPM2. Applied Biochemistry and Biotechnology, 2014, 172, 423-435.	1.4	12
63	Potential Uses of Xylanase-Rich Lignocellulolytic Enzymes Cocktail for Oil Palm Trunk (OPT) Degradation and Lignocellulosic Ethanol Production. Energy & Fuels, 2015, 29, 5103-5116.	2.5	12
64	Combination of Superheated Steam with Laccase Pretreatment Together with Size Reduction to Enhance Enzymatic Hydrolysis of Oil Palm Biomass. Molecules, 2018, 23, 811.	1.7	12
65	Reduction of the acidity and peroxide numbers of tengkawang butter (Shorea stenoptera) using thermal and acid activated bentonites. Heliyon, 2020, 6, e05742.	1.4	12
66	Effect of Palm Oil Mill Sterilization Process on the Physicochemical Characteristics and Enzymatic Hydrolysis of Empty Fruit Bunch. Asian Journal of Biotechnology, 2009, 1, 57-66.	0.3	12
67	Natural sunscreen formulation with a high sun protection factor (SPF) from tengkawang butter and lignin. Industrial Crops and Products, 2022, 177, 114466.	2.5	12
68	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 713-719.	1.7	11
69	Visualization of Core-Shell PHBV Granules of Wild TypeComamonassp. EB172In Vivounder Transmission Electron Microscope. International Journal of Polymer Analysis and Characterization, 2011, 16, 228-238.	0.9	11
70	Improved Properties of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Produced byComamonassp. EB172 Utilizing Volatile Fatty Acids by Regulating the Nitrogen Source. BioMed Research International, 2013, 2013, 1-7.	0.9	11
71	One-Step Conversion of Lemongrass Leaves Hydrolysate to Biovanillin by Phanerochaete chrysosporium ATCC 24725 in Batch Culture. Waste and Biomass Valorization, 2020, 11, 4067-4080.	1.8	11
72	Simultaneous pretreatment and saccharification of oil palm empty fruit bunch using laccase-cellulase cocktail. Biocatalysis and Agricultural Biotechnology, 2020, 29, 101824.	1.5	10

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73	Combined Optimization of Codon Usage and Glycine Supplementation Enhances the Extracellular Production of a Î²-Cyclodextrin Glycosyltransferase from Bacillus sp. NR5 UPM in Escherichia coli. International Journal of Molecular Sciences, 2020, 21, 3919.	1.8	10
74	Starch extracted from pineapple (Ananas comosus) plant stem as a source for amino acids production. Chemical and Biological Technologies in Agriculture, 2021, 8, .	1.9	10
75	Effects of Chemical and Thermal Pretreatments on the Enzymatic Saccharification of Rice Straw for Sugars Production. BioResources, 2013, 9, .	0.5	9
76	In-Silico Characterization of Glycosyl Hydrolase Family 1 Î²-Glucosidase from Trichoderma asperellum UPM1. International Journal of Molecular Sciences, 2020, 21, 4035.	1.8	9
77	Statistical Optimization of Biobutanol Production from Oil Palm Decanter Cake Hydrolysate by Clostridium acetobutylicum ATCC 824. BioResources, 2013, 8, .	0.5	8
78	Biological Pretreatment of Oil Palm Empty Fruit Bunch by Schizophyllum commune ENN1 without Washing and Nutrient Addition. Processes, 2019, 7, 402.	1.3	8
79	Enzymatic Saccharification with Sequential-Substrate Feeding and Sequential-Enzymes Loading to Enhance Fermentable Sugar Production from Sago Hampas. Processes, 2021, 9, 535.	1.3	8
80	POTENTIAL NON-PHYTOPATHOGENIC FILAMENTOUS FUNGI FOR BIOCONVERSION OF DOMESTIC WASTEWATER SLUDGE. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 1495-1507.	0.9	7
81	Effects of Surfactant on the Enzymatic Degradation of Oil Palm Empty Fruit Bunch (OPEFB). Waste and Biomass Valorization, 2018, 9, 845-852.	1.8	7
82	Enhanced volatile fatty acid production from sago hampas by Clostridium beijerinckii SR1 for bioelectricity generation using microbial fuel cells. Bioprocess and Biosystems Engineering, 2020, 43, 2027-2038.	1.7	7
83	Effect of Palm Oil Mill Effluent Supplementation on Cellulase Production from Rice Straw by Local Fungal Isolates. International Journal of Agricultural Research, 2009, 4, 185-192.	0.0	7
84	Brown rice as a potential feedstuff for poultry. Journal of Applied Poultry Research, 2012, 21, 103-110.	0.6	6
85	IMPROVED CELLULASE PRODUCTION BYBotryosphaeria rhodinaFROM OPEFB AT LOW LEVEL MOISTURE CONDITION THROUGH STATISTICAL OPTIMIZATION. Preparative Biochemistry and Biotechnology, 2012, 42, 155-170.	1.0	6
86	Improvement of Cyclodextrin Glycosyltransferase Gene Expression in Escherichia coli by Insertion of Regulatory Sequences Involved in the Promotion of RNA Transcription. Molecular Biotechnology, 2013, 54, 961-968.	1.3	6
87	Chemical-free pretreatment of unwashed oil palm empty fruit bunch by using locally isolated fungus (Schizophyllum commune ENN1) for delignification. Food and Bioproducts Processing, 2019, 118, 207-216.	1.8	6
88	Production of Reducing Sugars by Trichoderma sp. KUPM0001 during Solid Substrate Fermentation of Sago Starch Processing Waste Hampas. Research Journal of Microbiology, 2008, 3, 569-579.	0.2	6
89	Pollutants removal from palm oil mill effluent (POME) final discharge using oil palm kernel shell activated carbon in the up-flow continuous adsorption system. International Journal of Environmental Science and Technology, 2023, 20, 4325-4338.	1.8	6
90	BIOCONVERSION OF DOMESTIC WASTEWATER SLUDGE BY IMMOBILIZED MIXED CULTURE OFPenicillum corylophilumWWZA1003 ANDAspergillus nigerSCahmA103. Artificial Cells, Blood Substitutes, and Biotechnology, 2002, 30, 307-318.	0.9	5

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91	Partial Purification and Characterisation of Amylolytic Enzymes Obtained from Direct Fermentation of Sago Starch to Ethanol by Recombinant Yeast. Pakistan Journal of Biological Sciences, 2001, 4, 266-270.	0.2	4
92	Production of Mannan-Degrading Enzymes from Aspergillus niger and Sclerotium rolfsii Using Palm Kernel Cake as Carbon Source. Research Journal of Environmental Sciences, 2009, 3, 251-256.	0.5	3
93	Physicochemical and oxidative stability of indigenous traditional tengkawang butter as potential cocoa butter equivalent (CBE). International Journal of Food Properties, 2022, 25, 780-791.	1.3	3
94	Production of a bioadsorbent from oil palm kernel shell, and application for pollutants and colour removal in palm oil mill effluent final discharge. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022045.	0.3	2
95	Removal of Cadmium, Copper and Lead from Tertiary Metals System Using Biomass of Aspergillus flavus 44-1. Pakistan Journal of Biological Sciences, 2002, 5, 474-478.	0.2	2
96	Ethanol production of enzymatic empty fruit bunch hydrolysate by flocculent type of Saccharomyces cerevisiae. Journal of Biotechnology, 2010, 150, 10-10.	1.9	1
97	Improved extracellular secretion of Î²-cyclodextrin glycosyltransferase from Escherichia coli by glycine supplementation without apparent cell lysis. Asia-Pacific Journal of Molecular Biology and Biotechnology, 0, , 93-102.	0.2	1
98	Screening of Factors Influencing Exopolymer Production by Bacillus licheniformis Strain T221a Using 2-Level Factorial Design. , 2011, , .		0
99	Biobutanol Production from Agricultural Biomass. , 2021, , 67-84.		0