

Suraini Abd-Aziz

List of Publications by Year in descending order

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Version: 2024-02-01

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	Pollutants removal from palm oil mill effluent (POME) final discharge using oil palm kernel shell activated carbon in the up-flow continuous adsorption system. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 4325-4338.	1.8	6
2	Natural sunscreen formulation with a high sun protection factor (SPF) from tengkawang butter and lignin. <i>Industrial Crops and Products</i> , 2022, 177, 114466.	2.5	12
3	Physicochemical and oxidative stability of indigenous traditional tengkawang butter as potential cocoa butter equivalent (CBE). <i>International Journal of Food Properties</i> , 2022, 25, 780-791.	1.3	3
4	Enzymatic Saccharification with Sequential-Substrate Feeding and Sequential-Enzymes Loading to Enhance Fermentable Sugar Production from Sago Hampas. <i>Processes</i> , 2021, 9, 535.	1.3	8
5	Starch extracted from pineapple (<i>Ananas comosus</i>) plant stem as a source for amino acids production. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	1.9	10
6	Biobutanol Production from Agricultural Biomass. , 2021, , 67-84.		0
7	Biovanillin: production concepts and prevention of side product formation. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 589-609.	2.9	18
8	One-Step Conversion of Lemongrass Leaves Hydrolysate to Biovanillin by <i>Phanerochaete chrysosporium</i> ATCC 24725 in Batch Culture. <i>Waste and Biomass Valorization</i> , 2020, 11, 4067-4080.	1.8	11
9	Simultaneous pretreatment and saccharification of oil palm empty fruit bunch using laccase-cellulase cocktail. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 29, 101824.	1.5	10
10	Production of a bioadsorbent from oil palm kernel shell, and application for pollutants and colour removal in palm oil mill effluent final discharge. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022045.	0.3	2
11	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. <i>Journal of Water Process Engineering</i> , 2020, 36, 101262.	2.6	13
12	Enhanced volatile fatty acid production from sago hampas by <i>Clostridium beijerinckii</i> SR1 for bioelectricity generation using microbial fuel cells. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 2027-2038.	1.7	7
13	In-Silico Characterization of Glycosyl Hydrolase Family 1 β -Glucosidase from <i>Trichoderma asperellum</i> UPM1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4035.	1.8	9
14	Combined Optimization of Codon Usage and Glycine Supplementation Enhances the Extracellular Production of a β -Cyclodextrin Glycosyltransferase from <i>Bacillus</i> sp. NR5 UPM in <i>Escherichia coli</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 3919.	1.8	10
15	Reduction of the acidity and peroxide numbers of tengkawang butter (<i>Shorea stenoptera</i>) using thermal and acid activated bentonites. <i>Heliyon</i> , 2020, 6, e05742.	1.4	12
16	Biological Pretreatment of Oil Palm Empty Fruit Bunch by <i>Schizophyllum commune</i> ENN1 without Washing and Nutrient Addition. <i>Processes</i> , 2019, 7, 402.	1.3	8
17	Production of Biosurfactant Produced from Used Cooking Oil by <i>Bacillus</i> sp. HIP3 for Heavy Metals Removal. <i>Molecules</i> , 2019, 24, 2617.	1.7	55
18	Direct Bioelectricity Generation from Sago Hampas by <i>Clostridium beijerinckii</i> SR1 Using Microbial Fuel Cell. <i>Molecules</i> , 2019, 24, 2397.	1.7	17

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19	Chemical-free pretreatment of unwashed oil palm empty fruit bunch by using locally isolated fungus (<i>Schizophyllum commune</i> ENN1) for delignification. <i>Food and Bioproducts Processing</i> , 2019, 118, 207-216.	1.8	6
20	Comparison of hydro-distillation, hydro-distillation with enzyme-assisted and supercritical fluid for the extraction of essential oil from pineapple peels. <i>3 Biotech</i> , 2019, 9, 234.	1.1	29
21	Improved Biobutanol Production in 2-L Simultaneous Saccharification and Fermentation with Delayed Yeast Extract Feeding and in-situ Recovery. <i>Scientific Reports</i> , 2019, 9, 7443.	1.6	17
22	Simultaneous saccharification and fermentation of sago hampas into biobutanol by <i>Clostridium acetobutylicum</i> ATCC 824. <i>Energy Science and Engineering</i> , 2019, 7, 66-75.	1.9	20
23	Direct Use of Spent Mushroom Substrate from <i>Pleurotus pulmonarius</i> as a Readily Delignified Feedstock for Cellulase Production. <i>Waste and Biomass Valorization</i> , 2019, 10, 839-850.	1.8	18
24	Reduction of POME final discharge residual using activated bioadsorbent from oil palm kernel shell. <i>Journal of Cleaner Production</i> , 2018, 182, 830-837.	4.6	48
25	Alkaline Hydrolysate of Oil Palm Empty Fruit Bunch as Potential Substrate for Biovanillin Production via Two-Step Bioconversion. <i>Waste and Biomass Valorization</i> , 2018, 9, 13-23.	1.8	24
26	Effects of Surfactant on the Enzymatic Degradation of Oil Palm Empty Fruit Bunch (OPEFB). <i>Waste and Biomass Valorization</i> , 2018, 9, 845-852.	1.8	7
27	Combination of Superheated Steam with Laccase Pretreatment Together with Size Reduction to Enhance Enzymatic Hydrolysis of Oil Palm Biomass. <i>Molecules</i> , 2018, 23, 811.	1.7	12
28	Pre-treatment of Oil Palm Biomass for Fermentable Sugars Production. <i>Molecules</i> , 2018, 23, 1381.	1.7	43
29	Optimisation of Simultaneous Saccharification and Fermentation (SSF) for Biobutanol Production Using Pretreated Oil Palm Empty Fruit Bunch. <i>Molecules</i> , 2018, 23, 1944.	1.7	23
30	Advanced bioprocessing strategies for biobutanol production from biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 1192-1204.	8.2	77
31	Optimization of metallo-keratinase production by <i>Pseudomonas</i> sp. LM19 as a potential enzyme for feather waste conversion. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 41-50.	1.1	26
32	Cellulosic biobutanol by Clostridia: Challenges and improvements. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1241-1254.	8.2	87
33	Microwave-assisted pre-carbonisation of palm kernel shell produced charcoal with high heating value and low gaseous emission. <i>Journal of Cleaner Production</i> , 2017, 142, 2945-2949.	4.6	20
34	Reduction of residual pollutants from biologically treated palm oil mill effluent final discharge by steam activated bioadsorbent from oil palm biomass. <i>Journal of Cleaner Production</i> , 2017, 141, 122-127.	4.6	58
35	Harnessing the potential of ligninolytic enzymes for lignocellulosic biomass pretreatment. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5231-5246.	1.7	83
36	Simultaneous enzymatic saccharification and ABE fermentation using pretreated oil palm empty fruit bunch as substrate to produce butanol and hydrogen as biofuel. <i>Renewable Energy</i> , 2015, 77, 447-455.	4.3	94

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37	Potential Uses of Xylanase-Rich Lignocellulolytic Enzymes Cocktail for Oil Palm Trunk (OPT) Degradation and Lignocellulosic Ethanol Production. <i>Energy & Fuels</i> , 2015, 29, 5103-5116.	2.5	12
38	Enhancement of fermentable sugars production from oil palm empty fruit bunch by ligninolytic enzymes mediator system. <i>International Biodeterioration and Biodegradation</i> , 2015, 105, 13-20.	1.9	23
39	Effect of Buffering System on Acetone-Butanol-Ethanol Fermentation by <i>Clostridium acetobutylicum</i> ATCC 824 using Pretreated Oil Palm Empty Fruit Bunch. <i>BioResources</i> , 2015, 10, .	0.5	19
40	Immunomodulatory Effects of Newcastle Disease Virus AF2240 Strain on Human Peripheral Blood Mononuclear Cells. <i>International Journal of Medical Sciences</i> , 2014, 11, 1240-1247.	1.1	13
41	Effect of Physical and Chemical Properties of Oil Palm Empty Fruit Bunch, Decanter Cake and Sago Pith Residue on Cellulases Production by <i>Trichoderma asperellum</i> UPM1 and <i>Aspergillus fumigatus</i> UPM2. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 423-435.	1.4	12
42	A rapid colorimetric screening method for vanillic acid and vanillin-producing bacterial strains. <i>Journal of Applied Microbiology</i> , 2014, 116, 903-910.	1.4	17
43	Optimization of bioethanol production from glycerol by <i>Escherichia coli</i> SS1. <i>Renewable Energy</i> , 2014, 66, 625-633.	4.3	56
44	Preparation of bioactive peptides with high angiotensin converting enzyme inhibitory activity from winged bean [<i>Psophocarpus tetragonolobus</i> (L.) DC.] seed. <i>Journal of Food Science and Technology</i> , 2014, 51, 3658-3668.	1.4	40
45	Improvement of Cyclodextrin Glycosyltransferase Gene Expression in <i>Escherichia coli</i> by Insertion of Regulatory Sequences Involved in the Promotion of RNA Transcription. <i>Molecular Biotechnology</i> , 2013, 54, 961-968.	1.3	6
46	Acetone-Butanol-Ethanol Production by <i>Clostridium acetobutylicum</i> ATCC 824 Using Sago Pith Residues Hydrolysate. <i>Bioenergy Research</i> , 2013, 6, 321-328.	2.2	38
47	Crude Cellulase from Oil Palm Empty Fruit Bunch by <i>Trichoderma asperellum</i> UPM1 and <i>Aspergillus fumigatus</i> UPM2 for Fermentable Sugars Production. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1320-1335.	1.4	28
48	Biovanillin from agro wastes as an alternative food flavour. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 429-438.	1.7	66
49	Recovery of Glucose from Residual Starch of Sago Hampas for Bioethanol Production. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	41
50	Adsorption of Vanillin Using Macroporous Resin H103. <i>Adsorption Science and Technology</i> , 2013, 31, 599-610.	1.5	13
51	Improved Properties of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Produced by <i>Comamonas</i> sp. EB172 Utilizing Volatile Fatty Acids by Regulating the Nitrogen Source. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	11
52	Sago Biomass as a Sustainable Source for Biohydrogen Production by <i>Clostridium butyricum</i> A1. <i>BioResources</i> , 2013, 9, .	0.5	12
53	Effects of Chemical and Thermal Pretreatments on the Enzymatic Saccharification of Rice Straw for Sugars Production. <i>BioResources</i> , 2013, 9, .	0.5	9
54	Statistical Optimization of Biobutanol Production from Oil Palm Decanter Cake Hydrolysate by <i>Clostridium acetobutylicum</i> ATCC 824. <i>BioResources</i> , 2013, 8, .	0.5	8

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55	Brown rice as a potential feedstuff for poultry. <i>Journal of Applied Poultry Research</i> , 2012, 21, 103-110.	0.6	6
56	Bioconversion of glycerol for bioethanol production using isolated <i>Escherichia coli</i> SS1. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 506-516.	0.8	34
57	IMPROVED CELLULASE PRODUCTION BY <i>Botryosphaeria rhodina</i> FROM OPEFB AT LOW LEVEL MOISTURE CONDITION THROUGH STATISTICAL OPTIMIZATION. <i>Preparative Biochemistry and Biotechnology</i> , 2012, 42, 155-170.	1.0	6
58	Utilization of oil palm decanter cake for cellulase and polyoses production. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 547-555.	1.4	40
59	Oil Palm Empty Fruit Bunch as Alternative Substrate for Acetone-Butanol-Ethanol Production by <i>Clostridium butyricum</i> EB6. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1615-1625.	1.4	43
60	Sago Pith Residue as an Alternative Cheap Substrate for Fermentable Sugars Production. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 122-131.	1.4	45
61	Effect of steam pretreatment on oil palm empty fruit bunch for the production of sugars. <i>Biomass and Bioenergy</i> , 2012, 36, 280-288.	2.9	86
62	Screening of Factors Influencing Exopolymer Production by <i>Bacillus licheniformis</i> Strain T221a Using 2-Level Factorial Design. , 2011, , .		0
63	Enhancement of organic acids production from model kitchen waste via anaerobic digestion. <i>African Journal of Biotechnology</i> , 2011, 10, 14507-14515.	0.3	16
64	Visualization of Core-Shell PHBV Granules of Wild Type <i>Comamonas</i> sp. EB172 <i>In Vivo</i> under Transmission Electron Microscope. <i>International Journal of Polymer Analysis and Characterization</i> , 2011, 16, 228-238.	0.9	11
65	Lipase-catalyzed dimethyl adipate synthesis: Response surface modeling and kinetics. <i>Biotechnology Journal</i> , 2010, 5, 848-855.	1.8	12
66	Biosynthesis and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) copolymer from wild-type <i>Comamonas</i> sp. EB172. <i>Polymer Degradation and Stability</i> , 2010, 95, 1382-1386.	2.7	53
67	Optimization of operational conditions for adipate ester synthesis in a stirred tank reactor. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 846-853.	1.4	13
68	Polyhydroxyalkanoate production from anaerobically treated palm oil mill effluent by new bacterial strain <i>Comamonas</i> sp. EB172. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 767-774.	1.7	41
69	Ethanol production of enzymatic empty fruit bunch hydrolysate by flocculent type of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2010, 150, 10-10.	1.9	1
70	Turning waste to wealth-biodegradable plastics polyhydroxyalkanoates from palm oil mill effluent – a Malaysian perspective. <i>Journal of Cleaner Production</i> , 2010, 18, 1393-1402.	4.6	109
71	Synthesis, Characterization, and Structural Properties of Intracellular Copolyester Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Produced by <i>Comamonas</i> sp. EB 172 from Renewable Resource. <i>International Journal of Polymer Analysis and Characterization</i> , 2010, 15, 329-340.	0.9	15
72	Optimized lipase-catalyzed synthesis of adipate ester in a solvent-free system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1149-1155.	1.4	34

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73	Medium optimization for chitinase production from <i>Trichoderma virens</i> using central composite design. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 781-787.	1.4	20
74	STORAGE STABILITY OF CLARIFIED BANANA JUICE FORTIFIED WITH INULIN AND OLIGOFRUCTOSE. <i>Journal of Food Processing and Preservation</i> , 2009, 34, 599-610.	0.9	13
75	Characteristics and Microbial Succession in Co-Composting of Oil Palm Empty Fruit Bunch and Partially Treated Palm Oil Mill Effluent. <i>Open Biotechnology Journal</i> , 2009, 3, 87-95.	0.6	33
76	Effect of Palm Oil Mill Sterilization Process on the Physicochemical Characteristics and Enzymatic Hydrolysis of Empty Fruit Bunch. <i>Asian Journal of Biotechnology</i> , 2009, 1, 57-66.	0.3	12
77	Isolation and Selection of Appropriate Cellulolytic Mixed Microbial Cultures for Cellulases Production from Oil Palm Empty Fruit Bunch. <i>Biotechnology</i> , 2009, 9, 73-78.	0.5	16
78	Start-Up of Biohydrogen Production from Palm Oil Mill Effluent under Non-Sterile Condition in 50 L Continuous Stirred Tank Reactor. <i>International Journal of Agricultural Research</i> , 2009, 4, 163-168.	0.0	21
79	Effect of Palm Oil Mill Effluent Supplementation on Cellulase Production from Rice Straw by Local Fungal Isolates. <i>International Journal of Agricultural Research</i> , 2009, 4, 185-192.	0.0	7
80	Delignification of Oil Palm Empty Fruit Bunch using Chemical and Microbial Pretreatment Methods. <i>International Journal of Agricultural Research</i> , 2009, 4, 250-256.	0.0	19
81	Co-Composting of Empty Fruit Bunches and Partially Treated Palm Oil Mill Effluents in Pilot Scale. <i>International Journal of Agricultural Research</i> , 2009, 4, 69-78.	0.0	94
82	Production of Mannan-Degrading Enzymes from <i>Aspergillus niger</i> and <i>Sclerotium rolfsii</i> Using Palm Kernel Cake as Carbon Source. <i>Research Journal of Environmental Sciences</i> , 2009, 3, 251-256.	0.5	3
83	Effect of Agitation and Aeration Rates on Chitinase Production Using <i>Trichoderma virens</i> UKM1 in 2-l Stirred Tank Reactor. <i>Applied Biochemistry and Biotechnology</i> , 2008, 150, 193-204.	1.4	25
84	Enzymatic Hydrolysis of Palm Oil Mill Effluent Solid Using Mixed Cellulases from Locally Isolated Fungi. <i>Research Journal of Microbiology</i> , 2008, 3, 474-481.	0.2	33
85	Production of Reducing Sugars by <i>Trichoderma</i> sp. KLPM0001 during Solid Substrate Fermentation of Sago Starch Processing Waste Hampas. <i>Research Journal of Microbiology</i> , 2008, 3, 569-579.	0.2	6
86	Growth of <i>Bifidobacterium longum</i> BB536 in medida (fermented cereal porridge) and their survival during refrigerated storage. <i>Letters in Applied Microbiology</i> , 2005, 41, 125-131.	1.0	15
87	Enzyme Production and Profile by <i>Aspergillus niger</i> During Solid Substrate Fermentation Using Palm Kernel Cake as Substrate. <i>Applied Biochemistry and Biotechnology</i> , 2004, 118, 073-080.	1.4	61
88	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 149, 113-126.	1.1	37
89	FILAMENTOUS FUNGI IN INDAH WATER KONSORTIUM (IWK) SEWAGE TREATMENT PLANT FOR BIOLOGICAL TREATMENT OF DOMESTIC WASTEWATER SLUDGE. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 309-320.	0.9	44
90	POTENTIAL NON-PHYTOPATHOGENIC FILAMENTOUS FUNGI FOR BIOCONVERSION OF DOMESTIC WASTEWATER SLUDGE. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 1495-1507.	0.9	7

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91	BIOCONVERSION OF DOMESTIC WASTEWATER SLUDGE BY IMMOBILIZED MIXED CULTURE OF <i>Penicillium corylophilum</i> WWZA1003 AND <i>Aspergillus niger</i> SCahmA103. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2002, 30, 307-318.	0.9	5
92	DOMESTIC WASTEWATER BIOSOLIDS ACCUMULATION BY LIQUID STATE BIOCONVERSION PROCESS FOR RAPID COMPOSTING. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 1533-1543.	0.9	17
93	Sago starch and its utilisation. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 526-529.	1.1	72
94	A potential resource for bioconversion of domestic wastewater sludge. <i>Bioresource Technology</i> , 2002, 85, 263-272.	4.8	51
95	Removal of Cadmium, Copper and Lead from Tertiary Metals System Using Biomass of <i>Aspergillus flavus</i> 44-1. <i>Pakistan Journal of Biological Sciences</i> , 2002, 5, 474-478.	0.2	2
96	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 713-719.	1.7	11
97	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 849-856.	1.7	36
98	Partial Purification and Characterisation of Amylolytic Enzymes Obtained from Direct Fermentation of Sago Starch to Ethanol by Recombinant Yeast. <i>Pakistan Journal of Biological Sciences</i> , 2001, 4, 266-270.	0.2	4
99	Improved extracellular secretion of β -cyclodextrin glycosyltransferase from <i>Escherichia coli</i> by glycine supplementation without apparent cell lysis. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 93-102.	0.2	1