

Mohd Noriznan Mokhtar

List of Publications by Year in descending order

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62
papers

1,399
citations

304743

22
h-index

361022

35
g-index

62
all docs

62
docs citations

62
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of drying on the physical and chemical properties of palm kernel oil. Journal of the Science of Food and Agriculture, 2022, 102, 4046-4053.	3.5	3
2	Enhanced laccase production for oil palm biomass delignification using biological pretreatment and its estimation at biorefinary scale. Biomass and Bioenergy, 2021, 144, 105904.	5.7	29
3	Adsorption mechanism and effectiveness of phenol and tannic acid removal by biochar produced from oil palm frond using steam pyrolysis. Environmental Pollution, 2021, 269, 116197.	7.5	57
4	Effect of oil palm biomass cellulosic content on nanopore structure and adsorption capacity of biochar. Bioresource Technology, 2021, 332, 125070.	9.6	55
5	Effect of Initial Carbon to Nitrogen Ratio on the Degradation of Oil Palm Empty Fruit Bunch with Periodic Addition of Anaerobic Palm Oil Mill Effluent Sludge. Pertanika Journal of Science and Technology, 2021, 29, .	0.6	1
6	Latest Advances in Protein-Recovery Technologies from Agricultural Waste. Foods, 2021, 10, 2748.	4.3	8
7	Synthesis and Characterization of Polyurethanes from Residual Palm Oil with High Poly-Unsaturated Fatty Acid Oils as Additive. Polymers, 2021, 13, 4214.	4.5	11
8	Coconut (<i>Cocos nucifera</i> L.) sap as a potential source of sugar: Antioxidant and nutritional properties. Food Science and Nutrition, 2020, 8, 1777-1787.	3.4	44
9	Kinetic and equilibrium modeling for the biosorption of metal ion by Zeolite 13X-Algal-Alginate Beads (ZABs). Journal of Water Process Engineering, 2020, 33, 101057.	5.6	9
10	Characterization of novel rigid-foam polyurethanes from residual palm oil and algae oil. Journal of Materials Research and Technology, 2020, 9, 16303-16316.	5.8	13
11	Study on the Effects of Physical Properties of Tenera Palm Kernel during Drying and Its Moisture Sorption Isotherms. Processes, 2020, 8, 1658.	2.8	6
12	One-step steam pyrolysis for the production of mesoporous biochar from oil palm frond to effectively remove phenol in facultatively treated palm oil mill effluent. Environmental Technology and Innovation, 2020, 18, 100730.	6.1	27
13	Effect of processing method on vitamin profile, antioxidant properties and total phenolic content of coconut (<i>Cocos nucifera</i> L.) sugar syrup. International Journal of Food Science and Technology, 2020, 55, 2762-2770.	2.7	13
14	Processing of coconut sap into sugar syrup using rotary evaporation, microwave, and openâ€œheat evaporation techniques. Journal of the Science of Food and Agriculture, 2020, 100, 4012-4019.	3.5	15
15	Production of biochar from oil palm frond by steam pyrolysis for removal of residual contaminants in palm oil mill effluent final discharge. Journal of Cleaner Production, 2020, 265, 121643.	9.3	41
16	Physicochemical composition of different parts of cassava (<i>Manihot esculenta</i> Crantz) plant. Food Research, 2020, 4, 78-84.	0.8	6
17	Nutritional Properties of Orange-Fleshed Sweet Potato Juice. International Journal of Management, Finance and Accounting, 2020, 1, .	0.2	1
18	Kinetics of thermal hydrolysis of crude palm oil with mass and heat transfer in a closed system. Food and Bioproducts Processing, 2019, 118, 187-197.	3.6	7

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19	Mass transfer with reaction kinetics of the biocatalytic membrane reactor using a fouled covalently immobilised enzyme layer (1- α -CGTase-CNF layer). <i>Biochemical Engineering Journal</i> , 2019, 152, 107374.	3.6	6
20	On the nonlinear viscoelastic behaviour of fresh and dried oil palm mesocarp fibres. <i>Biosystems Engineering</i> , 2019, 186, 307-322.	4.3	5
21	Mechanical characterisation of lignocellulosic fibres using toy bricks tensile tester. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 97, 58-64.	3.1	4
22	Stability improvement of algal-alginate beads by zeolite molecular sieves 13X. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 592-599.	7.5	3
23	Evaluation of surface water treated with lotus plant; <i>Nelumbo nucifera</i> . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103048.	6.7	16
24	A Study on the Use of Water as a Medium for the Thermal Inactivation of Endogenous Lipase in Oil of Palm Fruit. <i>Energies</i> , 2019, 12, 3981.	3.1	2
25	Enrichment of minor components from crude palm oil and palm-pressed mesocarp fibre oil via sequential adsorption-desorption strategy. <i>Industrial Crops and Products</i> , 2018, 113, 187-195.	5.2	23
26	Potential of Zeolite and Algae in Biomass Immobilization. <i>BioMed Research International</i> , 2018, 2018, 1-15.	1.9	23
27	Covalent immobilization of cyclodextrin glucanotransferase on kenaf cellulose nanofiber and its application in ultrafiltration membrane system. <i>Process Biochemistry</i> , 2017, 55, 85-95.	3.7	27
28	Bleached kenaf microfiber as a support matrix for cyclodextrin glucanotransferase immobilization via covalent binding by different coupling agents. <i>Process Biochemistry</i> , 2017, 56, 81-89.	3.7	14
29	Over production of fermentable sugar for bioethanol production from carbohydrate-rich Malaysian food waste via sequential acid-enzymatic hydrolysis pretreatment. <i>Waste Management</i> , 2017, 67, 95-105.	7.4	68
30	Enhanced oil recovery and lignocellulosic quality from oil palm biomass using combined pretreatment with compressed water and steam. <i>Journal of Cleaner Production</i> , 2017, 142, 3834-3849.	9.3	20
31	Preparation and Characterisation of Cyclodextrin Glucanotransferase Enzyme Immobilised in Electrospun Nanofibrous Membrane. <i>Journal of Fiber Science and Technology</i> , 2017, 73, 251-260.	0.4	8
32	Immobilisation of cyclodextrin glucanotransferase into polyvinyl alcohol (PVA) nanofibres via electrospinning. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 10, 44-48.	4.4	43
33	Dynamic mathematical modelling of reaction kinetics for xylitol fermentation using <i>Candida tropicalis</i> . <i>Biochemical Engineering Journal</i> , 2016, 111, 10-17.	3.6	18
34	DEVELOPMENT OF CELLULOSE NANOFIBRE (CNF) DERIVED FROM KENAF BAST FIBRE AND ITS POTENTIAL IN ENZYME IMMOBILIZATION SUPPORT. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 309-317.	0.1	7
35	Study on Residual Oil Recovery from Empty Fruit Bunch by Combination of Water and Steam Process. <i>Journal of Food Process Engineering</i> , 2015, 38, 385-394.	2.9	5
36	Xylitol Biological Production: A Review of Recent Studies. <i>Food Reviews International</i> , 2015, 31, 74-89.	8.4	90

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37	Recovery of Residual Crude Palm Oil from the Empty Fruit Bunch Spikelets Using Environmentally Friendly Processes. <i>Separation Science and Technology</i> , 2015, 50, 1677-1683.	2.5	8
38	A Review: Potential Usage of Cellulose Nanofibers (CNF) for Enzyme Immobilization via Covalent Interactions. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1817-1842.	2.9	100
39	Case study for a palm biomass biorefinery utilizing renewable non-food sugars from oil palm frond for the production of poly(3-hydroxybutyrate) bioplastic. <i>Journal of Cleaner Production</i> , 2015, 87, 284-290.	9.3	48
40	The Physicochemical Characteristics of Residual Oil and Fibers from Oil Palm Empty Fruit Bunches. <i>BioResources</i> , 2014, 10, 14-29.	1.0	27
41	Encapsulation of Multi-Enzymes on Waste Clay Material: Preparation, Characterization and Application for Tapioca Starch Hydrolysis. <i>Applied Mechanics and Materials</i> , 2014, 548-549, 77-82.	0.2	2
42	Recovery of <i>Bacillus cereus</i> cyclodextrin glycosyltransferase using ionic liquid-based aqueous two-phase system. <i>Separation and Purification Technology</i> , 2014, 138, 28-33.	7.9	21
43	Effects of aeration rate on degradation process of oil palm empty fruit bunch with kinetic-dynamic modeling. <i>Bioresource Technology</i> , 2014, 169, 428-438.	9.6	23
44	Transformation of cyclodextrin glucanotransferase (CGTase) from aqueous suspension to fine solid particles via electrospraying. <i>Enzyme and Microbial Technology</i> , 2014, 64-65, 52-59.	3.2	9
45	Kinetics and modeling of microalga <i>Tetraselmis</i> sp. FTC 209 growth with respect to its adaptation toward different trophic conditions. <i>Biochemical Engineering Journal</i> , 2014, 88, 30-41.	3.6	28
46	Factorial Design Analysis of a Tapioca Slurry Saccharification Process Using Encapsulated Enzymes. <i>BioResources</i> , 2014, 9, .	1.0	1
47	Effects of bulking agents, load size or starter cultures in kitchen-waste composting. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2013, 2, 1.	2.0	27
48	Extractive bioconversion of cyclodextrins by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase in aqueous two-phase system. <i>Bioresource Technology</i> , 2013, 142, 723-726.	9.6	32
49	Selective component degradation of oil palm empty fruit bunches (OPEFB) using high-pressure steam. <i>Biomass and Bioenergy</i> , 2013, 55, 268-275.	5.7	36
50	DYNAMIC MATHEMATICAL MODELLING OF REACTION KINETICS FOR CYCLODEXTRINS PRODUCTION FROM DIFFERENT STARCH SOURCES USING <i>BACILLUS MACERANS</i> CYCLODEXTRIN GLUCANOTRANSFERASE. <i>American Journal of Biochemistry and Biotechnology</i> , 2013, 9, 195-205.	0.4	8
51	Comparative Analyses of Response Surface Methodology and Artificial Neural Network on Medium Optimization for <i>Tetraselmis</i> sp. FTC209 Grown under Mixotrophic Condition. <i>Scientific World Journal</i> , The, 2013, 2013, 1-14.	2.1	34
52	Factors Affecting Poly(3-hydroxybutyrate) Production from Oil Palm Frond Juice by <i>Cupriavidus necator</i>. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-8.	3.0	20
53	Renewable sugars from oil palm frond juice as an alternative novel fermentation feedstock for value-added products. <i>Bioresource Technology</i> , 2012, 110, 566-571.	9.6	94
54	Recovery of <i>Bacillus cereus</i> cyclodextrin glycosyltransferase and recycling of phase components in an aqueous two-phase system using thermo-separating polymer. <i>Separation and Purification Technology</i> , 2012, 89, 9-15.	7.9	45

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55	Primary capture of cyclodextrin glycosyltransferase derived from <i>Bacillus cereus</i> by aqueous two phase system. <i>Separation and Purification Technology</i> , 2011, 81, 318-324.	7.9	36
56	Fractionation of homologous CD6 to CD60 cyclodextrin mixture by ultrafiltration and nanofiltration. <i>Journal of Membrane Science</i> , 2011, 374, 129-137.	8.2	16
57	Effect of ethanol on the synthesis of large-ring cyclodextrins by cyclodextrin glucanotransferases. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 95-99.	1.6	36
58	Preliminary Study of Oil Palm Decanter Cake Natural Polymer Composite (OPDC-NPC). <i>Advanced Materials Research</i> , 0, 911, 40-44.	0.3	9
59	Recovery of Residual Crude Palm Oil (RCPO) from Oil Palm Decanter Cake (OPDC) Using D-Limonene. <i>Advanced Materials Research</i> , 0, 1113, 405-410.	0.3	5
60	Chemical-Physical Treatment for Production of Cellulose Nanofiber from Kenaf Bast Fiber. <i>Journal of Natural Fibers</i> , 0, , 1-12.	3.1	5
61	Periodic addition of anaerobic sludge enhanced the lignocellulosic degradation rate during co-composting of oil palm biomass. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 1-10.	0.1	0
62	Techno-economic evaluation of a process for the transformation of sweet potato into value-added products. <i>Journal of Food Process Engineering</i> , 0, , .	2.9	1