

# 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	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
2	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
3	Xylitol Biological Production: A Review of Recent Studies. <i>Food Reviews International</i> , 2015, 31, 74-89.	8.4	90
4	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
5	Adsorption mechanism and effectiveness of phenol and tannic acid removal by biochar produced from oil palm frond using steam pyrolysis. <i>Environmental Pollution</i> , 2021, 269, 116197.	7.5	57
6	Effect of oil palm biomass cellulosic content on nanopore structure and adsorption capacity of biochar. <i>Bioresource Technology</i> , 2021, 332, 125070.	9.6	55
7	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
8	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
9	Coconut ( <i>Cocos nucifera</i> L.) sap as a potential source of sugar: Antioxidant and nutritional properties. <i>Food Science and Nutrition</i> , 2020, 8, 1777-1787.	3.4	44
10	Immobilisation of cyclodextrin glucanotransferase into polyvinyl alcohol (PVA) nanofibres via electrospinning. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 10, 44-48.	4.4	43
11	Production of biochar from oil palm frond by steam pyrolysis for removal of residual contaminants in palm oil mill effluent final discharge. <i>Journal of Cleaner Production</i> , 2020, 265, 121643.	9.3	41
12	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
13	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
14	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
15	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
16	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
17	Enhanced laccase production for oil palm biomass delignification using biological pretreatment and its estimation at biorefinery scale. <i>Biomass and Bioenergy</i> , 2021, 144, 105904.	5.7	29
18	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

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19	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
20	The Physicochemical Characteristics of Residual Oil and Fibers from Oil Palm Empty Fruit Bunches. <i>BioResources</i> , 2014, 10, 14-29.	1.0	27
21	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
22	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. <i>Environmental Technology and Innovation</i> , 2020, 18, 100730.	6.1	27
23	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
24	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
25	Potential of Zeolite and Algae in Biomass Immobilization. <i>BioMed Research International</i> , 2018, 2018, 1-15.	1.9	23
26	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
27	Factors Affecting Poly(3-hydroxybutyrate) Production from Oil Palm Frond Juice by <i>Cupriavidus necator</i> ( <i>J. Biotechnol.</i> 2012, 2012, 1-8).	3.0	20
28	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
29	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
30	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
31	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
32	Processing of coconut sap into sugar syrup using rotary evaporation, microwave, and openâ€¢heat evaporation techniques. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4012-4019.	3.5	15
33	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
34	Characterization of novel rigid-foam polyurethanes from residual palm oil and algae oil. <i>Journal of Materials Research and Technology</i> , 2020, 9, 16303-16316.	5.8	13
35	Effect of processing method on vitamin profile, antioxidant properties and total phenolic content of coconut ( <i>Cocos nucifera</i> L.) sugar syrup. <i>International Journal of Food Science and Technology</i> , 2020, 55, 2762-2770.	2.7	13
36	Synthesis and Characterization of Polyurethanes from Residual Palm Oil with High Poly-Unsaturated Fatty Acid Oils as Additive. <i>Polymers</i> , 2021, 13, 4214.	4.5	11

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37	Preliminary Study of Oil Palm Decanter Cake Natural Polymer Composite (OPDC-NPC). <i>Advanced Materials Research</i> , 0, 911, 40-44.	0.3	9
38	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
39	Kinetic and equilibrium modeling for the biosorption of metal ion by Zeolite 13X-Algal-Alginate Beads (ZABs). <i>Journal of Water Process Engineering</i> , 2020, 33, 101057.	5.6	9
40	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
41	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
42	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
43	Latest Advances in Protein-Recovery Technologies from Agricultural Waste. <i>Foods</i> , 2021, 10, 2748.	4.3	8
44	Kinetics of thermal hydrolysis of crude palm oil with mass and heat transfer in a closed system. <i>Food and Bioproducts Processing</i> , 2019, 118, 187-197.	3.6	7
45	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
46	Mass transfer with reaction kinetics of the biocatalytic membrane reactor using a fouled covalently immobilised enzyme layer (CGTase/CNF layer). <i>Biochemical Engineering Journal</i> , 2019, 152, 107374.	3.6	6
47	Study on the Effects of Physical Properties of Tenera Palm Kernel during Drying and Its Moisture Sorption Isotherms. <i>Processes</i> , 2020, 8, 1658.	2.8	6
48	Physicochemical composition of different parts of cassava ( <i>Manihot esculenta</i> Crantz) plant. <i>Food Research</i> , 2020, 4, 78-84.	0.8	6
49	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
50	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
51	On the nonlinear viscoelastic behaviour of fresh and dried oil palm mesocarp fibres. <i>Biosystems Engineering</i> , 2019, 186, 307-322.	4.3	5
52	Chemical-Physical Treatment for Production of Cellulose Nanofiber from Kenaf Bast Fiber. <i>Journal of Natural Fibers</i> , 0, , 1-12.	3.1	5
53	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
54	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

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55	Effect of drying on the physical and chemical properties of palm kernel oil. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 4046-4053.	3.5	3
56	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
57	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
58	Factorial Design Analysis of a Tapioca Slurry Saccharification Process Using Encapsulated Enzymes. <i>BioResources</i> , 2014, 9, .	1.0	1
59	Nutritional Properties of Orange-Fleshed Sweet Potato Juice. <i>International Journal of Management, Finance and Accounting</i> , 2020, 1, .	0.2	1
60	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. <i>Pertanika Journal of Science and Technology</i> , 2021, 29, .	0.6	1
61	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
62	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