

Mohd Ali Hassan

List of Publications by Year in descending order

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227
papers

7,599
citations

41344

49
h-index

79698

73
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230
all docs

230
docs citations

230
times ranked

6750
citing authors

#	ARTICLE	IF	CITATIONS
1	Biohydrogen production from biomass and industrial wastes by dark fermentation. International Journal of Hydrogen Energy, 2009, 34, 3277-3287.	7.1	327
2	Food waste and food processing waste for biohydrogen production: A review. Journal of Environmental Management, 2013, 130, 375-385.	7.8	190
3	Baseline study of methane emission from anaerobic ponds of palm oil mill effluent treatment. Science of the Total Environment, 2006, 366, 187-196.	8.0	160
4	Biohydrogen production by Clostridium butyricum EB6 from palm oil mill effluent. International Journal of Hydrogen Energy, 2009, 34, 764-771.	7.1	155
5	Influence of pretreated activated sludge for electricity generation in microbial fuel cell application. Bioresource Technology, 2013, 145, 90-96.	9.6	136
6	Baseline study of methane emission from open digesting tanks of palm oil mill effluent treatment. Chemosphere, 2005, 59, 1575-1581.	8.2	128
7	Importance of the methanogenic archaea populations in anaerobic wastewater treatments. Process Biochemistry, 2010, 45, 1214-1225.	3.7	121
8	Effects of pre-treatment technologies on dark fermentative biohydrogen production: A review. Journal of Environmental Management, 2015, 157, 20-48.	7.8	118
9	Biochar enhanced the nitrifying and denitrifying bacterial communities during the composting of poultry manure and rice straw. Waste Management, 2020, 106, 240-249.	7.4	117
10	Turning waste to wealth-biodegradable plastics polyhydroxyalkanoates from palm oil mill effluent â€“ a Malaysian perspective. Journal of Cleaner Production, 2010, 18, 1393-1402.	9.3	109
11	Start-up operation of semi-commercial closed anaerobic digester for palm oil mill effluent treatment. Process Biochemistry, 2006, 41, 962-964.	3.7	104
12	Determination of multiple thermal degradation mechanisms of poly(3-hydroxybutyrate). Polymer Degradation and Stability, 2008, 93, 1433-1439.	5.8	102
13	Production of bacterial endoglucanase from pretreated oil palm empty fruit bunch by bacillus pumilus EB3. Journal of Bioscience and Bioengineering, 2008, 106, 231-236.	2.2	97
14	Renewable sugars from oil palm frond juice as an alternative novel fermentation feedstock for value-added products. Bioresource Technology, 2012, 110, 566-571.	9.6	94
15	Sustainable production of polyhydroxyalkanoates from renewable oil-palm biomass. Biomass and Bioenergy, 2013, 50, 1-9.	5.7	94
16	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.	8.9	94
17	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.	0.1	94
18	Optimization of growth media components for polyhydroxyalkanoate (PHA) production from organic acids by Ralstonia eutropha. Applied Microbiology and Biotechnology, 2010, 87, 2037-2045.	3.6	93

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19	Improved economic viability of integrated biogas energy and compost production for sustainable palm oil mill management. <i>Journal of Cleaner Production</i> , 2013, 44, 1-7.	9.3	92
20	Ball Milling Pretreatment of Oil Palm Biomass for Enhancing Enzymatic Hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1778-1789.	2.9	91
21	Hydrothermal pretreatment enhanced enzymatic hydrolysis and glucose production from oil palm biomass. <i>Bioresource Technology</i> , 2015, 176, 142-148.	9.6	90
22	Effect of steam pretreatment on oil palm empty fruit bunch for the production of sugars. <i>Biomass and Bioenergy</i> , 2012, 36, 280-288.	5.7	86
23	Highly efficient removal of diazinon pesticide from aqueous solutions by using coconut shell-modified biochar. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6106-6121.	4.9	86
24	Microbial characterization of hydrogen-producing bacteria in fermented food waste at different pH values. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9571-9580.	7.1	84
25	Modification of Oil Palm Mesocarp Fiber Characteristics Using Superheated Steam Treatment. <i>Molecules</i> , 2013, 18, 9132-9146.	3.8	84
26	Highly selective transformation of poly[(R)-3-hydroxybutyric acid] into trans-crotonic acid by catalytic thermal degradation. <i>Polymer Degradation and Stability</i> , 2010, 95, 1375-1381.	5.8	82
27	The production of polyhydroxyalkanoate from anaerobically treated palm oil mill effluent by <i>Rhodobacter sphaeroides</i> . <i>Journal of Bioscience and Bioengineering</i> , 1997, 83, 485-488.	0.9	79
28	Thermophilic biohydrogen production from palm oil mill effluent (POME) using suspended mixed culture. <i>Biomass and Bioenergy</i> , 2010, 34, 42-47.	5.7	76
29	Hydrothermal and wet disk milling pretreatment for high conversion of biosugars from oil palm mesocarp fiber. <i>Bioresource Technology</i> , 2015, 181, 263-269.	9.6	74
30	Chemical recycling of polyhydroxyalkanoates as a method towards sustainable development. <i>Biotechnology Journal</i> , 2010, 5, 484-492.	3.5	73
31	Effect of organic acid profiles during anaerobic treatment of palm oil mill effluent on the production of polyhydroxyalkanoates by <i>Rhodobacter sphaeroides</i> . <i>Journal of Bioscience and Bioengineering</i> , 1996, 82, 151-156.	0.9	69
32	Measuring organic carbon, nutrients and heavy metals in rivers receiving leachate from controlled and uncontrolled municipal solid waste (MSW) landfills. <i>Waste Management</i> , 2009, 29, 2666-2680.	7.4	68
33	Enrichment of anaerobic ammonium oxidation (anammox) bacteria for short start-up of the anammox process: A review. <i>Desalination and Water Treatment</i> , 2016, 57, 13958-13978.	1.0	66
34	Sustainable one-pot process for the production of cellulose nanofiber and polyethylene / cellulose nanofiber composites. <i>Journal of Cleaner Production</i> , 2019, 207, 590-599.	9.3	63
35	Effects of pH, glucose and iron sulfate concentration on the yield of biohydrogen by <i>Clostridium butyricum</i> EB6. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8859-8865.	7.1	62
36	Indigenous cellulolytic and hemicellulolytic bacteria enhanced rapid co-composting of lignocellulose oil palm empty fruit bunch with palm oil mill effluent anaerobic sludge. <i>Bioresource Technology</i> , 2013, 147, 632-635.	9.6	60

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37	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.	9.3	58
38	Optimization of biohydrogen production by <i>Clostridium butyricum</i> EB6 from palm oil mill effluent using response surface methodology. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7475-7482.	7.1	57
39	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
40	Optimization of bioethanol production from glycerol by <i>Escherichia coli</i> SS1. <i>Renewable Energy</i> , 2014, 66, 625-633.	8.9	56
41	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
42	Improved biogas production from palm oil mill effluent by a scaled-down anaerobic treatment process. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 505-514.	3.6	54
43	Combined pretreatment using alkaline hydrothermal and ball milling to enhance enzymatic hydrolysis of oil palm mesocarp fiber. <i>Bioresource Technology</i> , 2014, 169, 236-243.	9.6	54
44	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.	5.8	53
45	Bio-based production of crotonic acid by pyrolysis of poly(3-hydroxybutyrate) inclusions. <i>Journal of Cleaner Production</i> , 2014, 83, 463-472.	9.3	52
46	Efficient utilization of oil palm frond for bio-based products and biorefinery. <i>Journal of Cleaner Production</i> , 2014, 65, 252-260.	9.3	52
47	Study of environmental biodegradation of LDPE films in soil using optical and scanning electron microscopy. <i>Micron</i> , 2010, 41, 430-438.	2.2	51
48	Well-Dispersed Cellulose Nanofiber in Low Density Polyethylene Nanocomposite by Liquid-Assisted Extrusion. <i>Polymers</i> , 2020, 12, 927.	4.5	51
49	Performance evaluation and chemical recyclability of a polyethylene/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blend for sustainable packaging. <i>RSC Advances</i> , 2013, 3, 24378.	3.6	50
50	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
51	Evaluation of biomass energy potential towards achieving sustainability in biomass energy utilization in Sabah, Malaysia. <i>Biomass and Bioenergy</i> , 2017, 97, 149-154.	5.7	48
52	Reduction of POME final discharge residual using activated bioadsorbent from oil palm kernel shell. <i>Journal of Cleaner Production</i> , 2018, 182, 830-837.	9.3	48
53	Kinetic and thermodynamic of heterogeneously K_3PO_4/AC -catalysed transesterification via pseudo-first order mechanism and Eyring-Polanyi equation. <i>Fuel</i> , 2018, 232, 653-658.	6.4	48
54	Sustainable and integrated palm oil biorefinery concept with value-addition of biomass and zero emission system. <i>Journal of Cleaner Production</i> , 2015, 91, 96-99.	9.3	46

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55	Thermal and biodegradation properties of poly(lactic acid)/fertilizer/oil palm fibers blends biocomposites. <i>Polymer Composites</i> , 2015, 36, 576-583.	4.6	46
56	Production of cellulase by a wild strain of <i>Chaetomium globosum</i> using delignified oil palm empty-fruit-bunch fibre as substrate. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 590-595.	3.6	45
57	Treatment of effluents from palm oil mill process to achieve river water quality for reuse as recycled water in a zero emission system. <i>Journal of Cleaner Production</i> , 2014, 67, 58-61.	9.3	45
58	Acetic Acid Separation from Anaerobically Treated Palm Oil Mill Effluent by Ion Exchange Resins for the Production of Polyhydroxyalkanoate by <i>Alcaligenes eutrophus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1997, 61, 1465-1468.	1.3	43
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.	2.9	43
60	Pre-treatment of Oil Palm Biomass for Fermentable Sugars Production. <i>Molecules</i> , 2018, 23, 1381.	3.8	43
61	Nitrification of ammonium-rich sanitary landfill leachate. <i>Waste Management</i> , 2010, 30, 100-109.	7.4	42
62	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.	3.6	41
63	Waterless purification using oil palm biomass-derived bioadsorbent improved the quality of biodiesel from waste cooking oil. <i>Journal of Cleaner Production</i> , 2017, 165, 262-272.	9.3	41
64	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
65	Utilization of oil palm decanter cake for cellulase and polyoses production. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 547-555.	2.6	40
66	Superheated steam pretreatment of cellulose affects its electrospinnability for microfibrillated cellulose production. <i>Cellulose</i> , 2018, 25, 3853-3859.	4.9	40
67	Aeration and yeast extract requirements for kojic acid production by <i>Aspergillus flavus</i> link. <i>Enzyme and Microbial Technology</i> , 1996, 19, 545-550.	3.2	38
68	Reduction of Methane Released from Palm Oil Mill Lagoon in Malaysia and Its Countermeasures. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2003, 8, 237-252.	2.1	38
69	Isolation and Characterization of Thermophilic Cellulase-Producing Bacteria from Empty Fruit Bunches-Palm Oil Mill Effluent Compost. <i>American Journal of Applied Sciences</i> , 2010, 7, 56-62.	0.2	38
70	A Proposal for Zero Emission from Palm Oil Industry Incorporating the Production of Polyhydroxyalkanoates from Palm Oil Mill Effluent.. <i>Journal of Chemical Engineering of Japan</i> , 2002, 35, 9-14.	0.6	37
71	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
72	Improved yield and higher heating value of biochar from oil palm biomass at low retention time under self-sustained carbonization. <i>Journal of Cleaner Production</i> , 2015, 104, 475-479.	9.3	36

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73	Elucidating substrate utilization in biohydrogen production from palm oil mill effluent by <i>Escherichia coli</i> . <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5812-5819.	7.1	36
74	Performance Evaluation of Cellulose Nanofiber with Residual Hemicellulose as a Nanofiller in Polypropylene-Based Nanocomposite. <i>Polymers</i> , 2021, 13, 1064.	4.5	36
75	Combined pretreatment with hot compressed water and wet disk milling opened up oil palm biomass structure resulting in enhanced enzymatic digestibility. <i>Bioresource Technology</i> , 2015, 193, 128-134.	9.6	35
76	Effects of Single Food Components on Freeze Concentration by Freezing and Thawing Technique. <i>Japan Journal of Food Engineering</i> , 2003, 4, 77-83.	0.3	34
77	Bioconversion of glycerol for bioethanol production using isolated <i>Escherichia coli</i> SS1. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 506-516.	2.0	34
78	Production of methyl esters from waste cooking oil using a heterogeneous biomass-based catalyst. <i>Renewable Energy</i> , 2017, 114, 638-643.	8.9	34
79	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.	1.2	33
80	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
81	Fresh oil palm frond juice as a renewable, non-food, non-cellulosic and complete medium for direct bioethanol production. <i>Industrial Crops and Products</i> , 2015, 63, 357-361.	5.2	31
82	Surface Functionalization of Biochar from Oil Palm Empty Fruit Bunch through Hydrothermal Process. <i>Processes</i> , 2021, 9, 149.	2.8	31
83	Utilisation of superheated steam in oil palm biomass pretreatment process for reduced chemical use and enhanced cellulose nanofibre production. <i>International Journal of Nanotechnology</i> , 2019, 16, 668.	0.2	31
84	Economic analysis of biogas and compost projects in a palm oil mill with clean development mechanism in Malaysia. <i>Environment, Development and Sustainability</i> , 2012, 14, 1065-1079.	5.0	30
85	Photo-electronic behavior of Cu ₂ O- and/or CeO ₂ -loaded TiO ₂ /carbon cluster nanocomposite materials. <i>Journal of Alloys and Compounds</i> , 2012, 538, 177-182.	5.5	29
86	Functionality of Cellulose Nanofiber as Bio-Based Nucleating Agent and Nano-Reinforcement Material to Enhance Crystallization and Mechanical Properties of Polylactic Acid Nanocomposite. <i>Polymers</i> , 2021, 13, 389.	4.5	29
87	Kinetic analysis of biohydrogen production from anaerobically treated POME in bioreactor under optimized condition. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17724-17730.	7.1	28
88	Uncharacterized <i>Escherichia coli</i> proteins YdjA and YhjY are related to biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17778-17787.	7.1	28
89	DEGRADATION OF OIL PALM EMPTY FRUIT BUNCHES (OPEFB) FIBRE DURING COMPOSTING PROCESS USING IN-VESSEL COMPOSTER. <i>BioResources</i> , 2012, 7, .	1.0	28
90	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.	2.9	28

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91	Oil Palm Biomass Biorefinery for Sustainable Production of Renewable Materials. <i>Biotechnology Journal</i> , 2019, 14, e1800394.	3.5	28
92	Modification of cellulose degree of polymerization by superheated steam treatment for versatile properties of cellulose nanofibril film. <i>Cellulose</i> , 2020, 27, 7417-7429.	4.9	28
93	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
94	Net energy and techno-economic assessment of biodiesel production from waste cooking oil using a semi-industrial plant: A Malaysia perspective. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 39, 100700.	2.7	26
95	Valorization of biodiesel side stream waste glycerol for rhamnolipids production by <i>Pseudomonas aeruginosa</i> RS6. <i>Environmental Pollution</i> , 2021, 276, 116742.	7.5	26
96	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.	2.9	25
97	Intracellular polyhydroxyalkanoates recovery by cleaner halogen-free methods towards zero emission in the palm oil mill. <i>Journal of Cleaner Production</i> , 2012, 37, 353-360.	9.3	25
98	Self-sustained carbonization of oil palm biomass produced an acceptable heating value charcoal with low gaseous emission. <i>Journal of Cleaner Production</i> , 2015, 89, 257-261.	9.3	25
99	Bacterial community shift for monitoring the co-composting of oil palm empty fruit bunch and palm oil mill effluent anaerobic sludge. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 869-877.	3.0	25
100	Production of Bioethanol from Rice Straw using Cellulase by Local <i>Aspergillus</i> sp.. <i>International Journal of Agricultural Research</i> , 2011, 6, 188-193.	0.1	25
101	Anhydride production as an additional mechanism of poly(3-hydroxybutyrate) pyrolysis. <i>Journal of Applied Polymer Science</i> , 2009, 111, 323-328.	2.6	24
102	Novel multifunctional plant growth-promoting bacteria in co-compost of palm oil industry waste. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 506-513.	2.2	24
103	Continuous Production of Organic Acids from Palm Oil Mill Effluent with Sludge Recycle by the Freezing-Thawing Method. <i>Journal of Chemical Engineering of Japan</i> , 2003, 36, 707-710.	0.6	23
104	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.	3.9	23
105	A one-step self-sustained low temperature carbonization of coconut shell biomass produced a high specific surface area biochar-derived nano-adsorbent. <i>Waste Management and Research</i> , 2019, 37, 551-555.	3.9	22
106	A Review of Current and Emerging Approaches for Water Pollution Monitoring. <i>Water (Switzerland)</i> , 2020, 12, 3417.	2.7	22
107	Potential of <i>Jatropha curcas</i> L. as Biodiesel Feedstock in Malaysia: A Concise Review. <i>Processes</i> , 2020, 8, 786.	2.8	22
108	Kojic acid production by <i>Aspergillus flavus</i> using gelatinized and hydrolyzed sago starch as carbon sources. <i>Folia Microbiologica</i> , 1998, 43, 459-464.	2.3	21

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109	Importance of carbon source feeding and pH control strategies for maximum kojic acid production from sago starch by <i>Aspergillus flavus</i> . <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 99-105.	2.2	21
110	Technological Advancement for Efficiency Enhancement of Biodiesel and Residual Glycerol Refining: A Mini Review. <i>Processes</i> , 2021, 9, 1198.	2.8	21
111	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.	0.1	21
112	Enhancement of Agro-Industrial Waste Composting Process via the Microbial Inoculation: A Brief Review. <i>Agronomy</i> , 2022, 12, 198.	3.0	21
113	PCR-based DGGE and FISH analysis of methanogens in an anaerobic closed digester tank for treating palm oil mill effluent. <i>Electronic Journal of Biotechnology</i> , 2009, 12, .	2.2	20
114	Factors Affecting Poly(3-hydroxybutyrate) Production from Oil Palm Frond Juice by <i>Cupriavidus necator</i> (http://www.w3.org/1998/Math/MathML) $T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (id="M1" >$ <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-8.	3.0	20
115	Case study: Preliminary assessment of integrated palm biomass biorefinery for bioethanol production utilizing non-food sugars from oil palm frond petiole. <i>Energy Conversion and Management</i> , 2016, 108, 233-242.	9.2	20
116	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.	9.3	20
117	Shift of low to high nucleic acid bacteria as a potential bioindicator for the screening of anthropogenic effects in a receiving river due to palm oil mill effluent final discharge. <i>Ecological Indicators</i> , 2018, 85, 79-84.	6.3	20
118	Life Cycle Assessment for Bioethanol Production from Oil Palm Frond Juice in an Oil Palm Based Biorefinery. <i>Sustainability</i> , 2019, 11, 6928.	3.2	20
119	Assessment of Municipal Solid Waste Generation in Universiti Putra Malaysia and Its Potential for Green Energy Production. <i>Sustainability</i> , 2019, 11, 3909.	3.2	19
120	A highly thermostable crude endoglucanase produced by a newly isolated <i>Thermobifida fusca</i> strain UPMC 901. <i>Scientific Reports</i> , 2019, 9, 13526.	3.3	19
121	A holistic treatment system for palm oil mill effluent by incorporating the anaerobic-aerobic-wetland sequential system and a convective sludge dryer. <i>Chemical Engineering Journal</i> , 2019, 369, 195-204.	12.7	19
122	Delignification of Oil Palm Empty Fruit Bunch using Chemical and Microbial Pretreatment Methods. <i>International Journal of Agricultural Research</i> , 2009, 4, 250-256.	0.1	19
123	Efficient photocatalytic activity of MnO ₂ -loaded ZrO ₂ /carbon cluster nanocomposite materials under visible light irradiation. <i>Ceramics International</i> , 2012, 38, 1605-1610.	4.8	18
124	Recovery and purification of intracellular polyhydroxyalkanoates from recombinant <i>Cupriavidus necator</i> using water and ethanol. <i>Biotechnology Letters</i> , 2012, 34, 253-259.	2.2	18
125	Oil Palm Frond Juice as Future Fermentation Substrate: A Feasibility Study. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	18
126	Bacterial community shift revealed Chromatiaceae and Alcaligenaceae as potential bioindicators in the receiving river due to palm oil mill effluent final discharge. <i>Ecological Indicators</i> , 2017, 82, 526-529.	6.3	18

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127	The effect of Palm Oil Mill Effluent Final Discharge on the Characteristics of <i>Pennisetum purpureum</i> . <i>Scientific Reports</i> , 2020, 10, 6613.	3.3	18
128	Promotion of a green economy with the palm oil industry for biodiversity conservation: A touchstone toward a sustainable bioindustry. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 414-424.	2.2	18
129	Soluble inhibitors generated during hydrothermal pretreatment of oil palm mesocarp fiber suppressed the catalytic activity of <i>Acremonium cellulase</i> . <i>Bioresource Technology</i> , 2016, 200, 541-547.	9.6	17
130	Oil Palm Biomass Cellulose-Fabricated Polylactic Acid Composites for Packaging Applications. , 2018, , 95-105.		17
131	Bacterial Resistance against Heavy Metals in <i>Pseudomonas aeruginosa</i> RW9 Involving Hexavalent Chromium Removal. <i>Sustainability</i> , 2021, 13, 9797.	3.2	17
132	Biogas Harvesting from Organic Fraction of Municipal Solid Waste as a Renewable Energy Resource in Malaysia: A Review. <i>Polish Journal of Environmental Studies</i> , 0, 24, 1477-1490.	1.2	17
133	The Effect of Higher Sludge Recycling Rate on Anaerobic Treatment of Palm Oil Mill Effluent in a Semi-Commercial Closed Digester for Renewable Energy. <i>American Journal of Biochemistry and Biotechnology</i> , 2009, 5, 1-6.	0.4	17
134	Optimization of conditions for production of sago starch-based foam. <i>Carbohydrate Polymers</i> , 2007, 68, 751-760.	10.2	16
135	Efficient Polyhydroxyalkanoate Recovery from Recombinant <i>Cupriavidus necator</i> by Using Low Concentration of NaOH. <i>Environmental Engineering Science</i> , 2012, 29, 783-789.	1.6	16
136	PHYSICOCHEMICAL PROPERTY CHANGES AND ENZYMATIC HYDROLYSIS ENHANCEMENT OF OIL PALM EMPTY FRUIT BUNCHES TREATED WITH SUPERHEATED STEAM. <i>BioResources</i> , 2012, 7, .	1.0	16
137	Bioconversion of restaurant waste into Polyhydroxybutyrate (PHB) by recombinant <i>E. coli</i> through anaerobic digestion. <i>International Journal of Environment and Waste Management</i> , 2013, 11, 27.	0.3	16
138	Characterization and application of bioactive compounds in oil palm mesocarp fiber superheated steam condensate as an antifungal agent. <i>RSC Advances</i> , 2016, 6, 84672-84683.	3.6	16
139	Subcritical Water-Carbon Dioxide Pretreatment of Oil Palm Mesocarp Fiber for Xylooligosaccharide and Glucose Production. <i>Molecules</i> , 2018, 23, 1310.	3.8	16
140	Toxicity identification and evaluation of palm oil mill effluent and its effects on the planktonic crustacean <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2020, 710, 136277.	8.0	16
141	Statistical Optimization of Biohydrogen Production Using Food Waste Under Thermophilic Conditions. <i>The Open Renewable Energy Journal</i> , 2010, 2, 124-131.	0.7	16
142	Enzymatic Synthesis of Galactosylkojic Acid with Immobilized α -Galactosidase from <i>Bacillus circulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 543-545.	1.3	15
143	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.	1.9	15
144	Co-composting of Municipal Sewage Sludge and Landscaping Waste: A Pilot Scale Study. <i>Waste and Biomass Valorization</i> , 2017, 8, 695-705.	3.4	15

#	ARTICLE	IF	CITATIONS
145	Dynamics of Microbial Populations Responsible for Biodegradation during the Full-Scale Treatment of Palm Oil Mill Effluent. <i>Microbes and Environments</i> , 2019, 34, 121-128.	1.6	15
146	Emerging application of biochar as a renewable and superior filler in polymer composites. <i>RSC Advances</i> , 2022, 12, 13938-13949.	3.6	15
147	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 1998, 14, 491-498.	3.6	14
148	Statistical Optimization of Biohydrogen Production from Palm Oil Mill Effluent by Natural Microflora. <i>Open Biotechnology Journal</i> , 2009, 3, 79-86.	1.2	14
149	Effect of oligosaccharides on glucose consumption by <i>Rhodobacter sphaeroides</i> in polyhydroxyalkanoate production from enzymatically treated crude sago starch. <i>Journal of Bioscience and Bioengineering</i> , 1998, 86, 57-61.	0.9	13
150	Degumming of Crude Palm Oil by Membrane Filtration. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1999, 27, 381-385.	0.9	13
151	Non-solvent-based pretreatment of poly(3-hydroxybutyrate) for improved bio-based crotonic acid production. <i>RSC Advances</i> , 2015, 5, 33546-33553.	3.6	13
152	Dynamically controlled fibrillation under combination of ionic liquid with mechanical grinding. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	13
153	Waste and Environmental Management in the Malaysian Palm Oil Industry. , 2012, , 693-711.		12
154	Visible light induced photocatalytic activity of Nb ₂ O ₅ /carbon cluster/Cr ₂ O ₃ composite materials. <i>Ceramics International</i> , 2012, 38, 1515-1521.	4.8	12
155	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.	2.9	12
156	High Solid Anaerobic Co-digestion of Household Organic Waste with Cow Manure. <i>Procedia Environmental Sciences</i> , 2015, 30, 174-179.	1.4	12
157	Successful scaling-up of self-sustained pyrolysis of oil palm biomass under pool-type reactor. <i>Waste Management and Research</i> , 2016, 34, 176-180.	3.9	12
158	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.	3.8	12
159	Improving the decolorization of glycerol by adsorption using activated carbon derived from oil palm biomass. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27976-27987.	5.3	12
160	Economic Analysis on Production of Bacterial Polyhydroxyalkanoates from Palm Oil Mill Effluent.. <i>Journal of Chemical Engineering of Japan</i> , 1997, 30, 751-755.	0.6	11
161	Production of Organic Acids from Kitchen Wastes. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1999, 27, 455-459.	0.9	11
162	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.	1.9	11

#	ARTICLE	IF	CITATIONS
163	Molecular characterisation of phaCAB from <i>Comamonas</i> sp. EB172 for functional expression in <i>Escherichia coli</i> JM109. <i>Microbiological Research</i> , 2012, 167, 550-557.	5.3	11
164	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.	1.9	11
165	Enzymatic Saccharification of Oil Palm Mesocarp Fiber (OPMF) Treated with Superheated Steam. <i>BioResources</i> , 2012, 8, .	1.0	10
166	Alcaligenaceae and Chromatiaceae as reliable bioindicators present in palm oil mill effluent final discharge treated by different biotreatment processes. <i>Ecological Indicators</i> , 2018, 95, 468-473.	6.3	10
167	Ecotoxicological assessment of palm oil mill effluent final discharge by zebrafish (<i>Danio rerio</i>) embryonic assay. <i>Environmental Pollution</i> , 2021, 277, 116780.	7.5	10
168	Freezing and Thawing Technique for the Removal of Suspended Solids and Concentration of Palm Oil Mill Effluent (POME).. <i>Journal of Chemical Engineering of Japan</i> , 2002, 35, 1017-1019.	0.6	9
169	Effects of (R)-3-hydroxyhexanoate units on thermal hydrolysis of poly((R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate) copolymers. <i>Journal of Applied Polymer Science</i> , 2014, 114, 1078-1084.	5.8	9
170	Effect of photo-autotrophic cultural conditions on the biomass productivity and composition of <i>Chlorella vulgaris</i> . <i>Biofuels</i> , 2022, 13, 149-159.	2.4	9
171	Carbon monoxide reduction in the flue gas during biochar production from oil palm empty fruit bunch. <i>Journal of Cleaner Production</i> , 2020, 258, 120580.	9.3	9
172	Combined Effects of Cellulose Nanofiber Nucleation and Maleated Polylactic Acid Compatibilization on the Crystallization Kinetic and Mechanical Properties of Polylactic Acid Nanocomposite. <i>Polymers</i> , 2021, 13, 3226.	4.5	9
173	Treatment of Palm Oil Wastewaters. , 2005, , 101-117.		8
174	Statistical Optimization of Biobutanol Production from Oil Palm Decanter Cake Hydrolysate by <i>Clostridium acetobutylicum</i> ATCC 824. <i>BioResources</i> , 2013, 8, .	1.0	8
175	In vitro cytotoxicity of superheated steam hydrolyzed oligo((R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate) and characteristics of its blend with poly(L-lactic acid) for biomaterial applications. <i>PLoS ONE</i> , 2018, 13, e0199742.	2.5	8
176	Alcaligenaceae and Chromatiaceae as pollution bacterial bioindicators in palm oil mill effluent (POME) final discharge polluted rivers. <i>Ecological Indicators</i> , 2020, 111, 106048.	6.3	8
177	Potential use of <i>Pennisetum purpureum</i> for phytoremediation and bioenergy production: a mini review. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 14-26.	0.1	8
178	Indigenous cellulolytic aerobic and facultative anaerobic bacterial community enhanced the composting of rice straw and chicken manure with biochar addition. <i>Scientific Reports</i> , 2022, 12, 5930.	3.3	8
179	Nitrification of high-strength ammonium landfill leachate with microbial community analysis using fluorescence in situ hybridization (FISH). <i>Waste Management and Research</i> , 2011, 29, 602-611.	3.9	7
180	Optimization of Superheated Steam Treatment to Improve Surface Modification of Oil Palm Biomass Fiber. <i>BioResources</i> , 2016, 11, .	1.0	7

#	ARTICLE	IF	CITATIONS
181	Superheated Steam Treatment of Oil Palm Mesocarp Fiber Improved the Properties of Fiber-Polypropylene Biocomposite. <i>BioResources</i> , 2016, 12, .	1.0	7
182	Production of acetoin from hydrothermally pretreated oil mesocarp fiber using metabolically engineered <i>Escherichia coli</i> in a bioreactor system. <i>Bioresource Technology</i> , 2017, 245, 1040-1048.	9.6	7
183	Convective sludge drying by rotary drum dryer using waste steam for palm oil mill effluent treatment. <i>Journal of Cleaner Production</i> , 2019, 240, 117986.	9.3	7
184	A comprehensive review on the application of bioethanol/biodiesel in direct injection engines and consequential environmental impact. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100092.	4.0	7
185	Removal behaviour of residual pollutants from biologically treated palm oil mill effluent by <i>Pennisetum purpureum</i> in constructed wetland. <i>Scientific Reports</i> , 2021, 11, 18257.	3.3	7
186	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.	2.4	6
187	Characterization, morphology, and biodegradation of bioplastic fertilizer (BF) composites made of poly(Butylene succinate) blended with oil palm biomass and fertilizer. <i>Polymer Composites</i> , 2017, 38, 2577-2583.	4.6	6
188	Influence of storage conditions on oil palm frond juice as a renewable feedstock for bioethanol production. <i>Biomass and Bioenergy</i> , 2021, 150, 106101.	5.7	6
189	Production of Reducing Sugars by <i>Trichoderma sp.</i> KUPM0001 during Solid Substrate Fermentation of Sago Starch Processing Waste Hampas. <i>Research Journal of Microbiology</i> , 2008, 3, 569-579.	0.2	6
190	Oil Palm Biomass Biorefinery for Future Bioeconomy in Malaysia. , 2019, , 265-285.		5
191	Storage stability of coconut milk powder. <i>Journal of the Science of Food and Agriculture</i> , 1988, 43, 95-100.	3.5	4
192	Chromatographic separation of galactosylkojic acid. <i>Journal of Bioscience and Bioengineering</i> , 1997, 84, 82-85.	0.9	4
193	Enhanced Biogas Production from Palm Oil Mill Effluent Supplemented with Untreated Oil Palm Empty Fruit Bunch Biomass with a Change in the Microbial Community. <i>Japan Journal of Food Engineering</i> , 2012, 13, 37-41.	0.3	4
194	Synthesis of Bio-based Monomer from Vegetable Oil Fatty Acids and Design of Functionalized Greener Polyester. <i>Chemistry Letters</i> , 2014, 43, 1517-1519.	1.3	4
195	Changes in diad sequence distribution by preferential chain scission during the thermal hydrolysis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Polymer Journal</i> , 2016, 48, 839-842.	2.7	4
196	Kinetics of Xylan Autohydrolysis During Subcritical Hydrothermal Pretreatment of Oil Palm Frond Pressed Fiber. <i>Bioenergy Research</i> , 2022, 15, 439-453.	3.9	4
197	Potential of Oil Palm Lignocellulose for Producing Industrial Raw Materials. <i>Transactions of the Materials Research Society of Japan</i> , 2010, 35, 937-940.	0.2	4
198	High Solid Anaerobic Co-Digestion of Household Organic Waste with Cow Manure for Mass and Energy Recovery. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 1549-1554.	1.2	4

#	ARTICLE	IF	CITATIONS
199	Multi-step pretreatment as an eco-efficient pretreatment method for the production of cellulose nanofiber from oil palm empty fruit bunch. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 1-8.	0.1	4
200	The Performance and Kinetic Study of Membrane Anaerobic System in Treating Pome. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1999, 27, 469-474.	0.9	3
201	Visible light induced electron transfer behavior of a CeO ₂ -loaded HfO ₂ /carbon cluster nanocomposite material. <i>Journal of Alloys and Compounds</i> , 2012, 513, 184-188.	5.5	3
202	Treatment of Palm Oil Wastewaters. , 2004, , 719-735.		3
203	MICROBIAL SUCCESSION IN CO-COMPOSTING OF CHIPPED-GROUND OIL PALM FROND AND PALM OIL MILL EFFLUENT. <i>Journal of Oil Palm Research</i> , 2016, 28, 191-197.	2.1	3
204	Biodiesel from high acid value grease trap waste: Process optimisation and purification using bio-based adsorbent. <i>Biofuels, Bioproducts and Biorefining</i> , 0, , .	3.7	3
205	Periodic change in DO concentration for efficient poly- β -hydroxy-butyrate production using temperature-inducible recombinant <i>Escherichia coli</i> with proteome analysis. <i>Biotechnology and Bioprocess Engineering</i> , 2002, 7, 281-288.	2.6	2
206	Visible light-sensitive MnO ₂ - and CeO ₂ -loaded ZrO ₂ /carbon cluster/Pt nanocomposite materials. <i>Superlattices and Microstructures</i> , 2012, 51, 239-246.	3.1	2
207	Sustainability of Oil Palm Biomass-Based Products. , 2019, , 207-242.		2
208	Survivability of Alcaligenaceae and Chromatiaceae as palm oil mill effluent pollution bioindicators under fluctuations of temperature, pH and total suspended solid. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 174-182.	2.2	2
209	Characteristics of Oil Palm EFB (Empty Fruit Bunch of <i>Elaeis guineensis</i>) Lignin. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 1185-1188.	0.2	2
210	Response surface-based optimization of the biodegradation of a simulated vegetable oily ballast wastewater under temperate conditions using the antarctic bacterium <i>Rhodococcus erythropolis</i> ADL36. , 0, 144, 129-137.		2
211	Zero-Emission of Palm Oil Mill Effluent Final Discharge Promoted Bacterial Biodiversity Rebound in the Receiving Water System. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10814.	2.5	2
212	Development of life cycle inventory and greenhouse gas emissions from damaged paddy grain as fermentation feedstock: A case study in Malaysia. <i>Journal of Cleaner Production</i> , 2022, 354, 131722.	9.3	2
213	Feasibility Study on the Utilization of Rubber Latex Effluent for Producing Bacterial Biopolymers. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1999, 27, 411-416.	0.9	1
214	Pseudogene product YqiG is important for pflB expression and biohydrogen production in <i>Escherichia coli</i> BW25113. <i>3 Biotech</i> , 2018, 8, 435.	2.2	1
215	Multistep, Nonchlorinated Treatment for Cellulose Isolation From Oil Palm Fronds. , 2019, , 31-40.		1
216	Potential of Oil Palm EFB (Empty Fruit Bunch of <i>Elaeis guineensis</i>) as Industrial Raw Materials. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 1181-1184.	0.2	1

#	ARTICLE	IF	CITATIONS
217	Dark Fermentative Biohydrogen Production from Palm oil Mill Effluent: Operation Factors and Future Progress of Biohydrogen Energy. <i>Pertanika Journal of Science and Technology</i> , 2020, 28, .	0.6	1
218	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
219	The photoelectronic behaviors of MoO ₃ -loaded ZrO ₂ /carbon cluster nanocomposite materials. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 25-30.	3.1	0
220	Enrichment of Anaerobic Ammonium Oxidation (Anammox) Bacteria for Biological Nitrogen Removal of Wastewater. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 62, .	0.4	0
221	New EFB Refining System Using Structural Units of EFB Lignin. <i>Transactions of the Materials Research Society of Japan</i> , 2009, 34, 731-734.	0.2	0
222	Kitchen Refuse Fermentation. , 2010, , 193-210.		0
223	Triple knockout of frdC, gltA and pta genes enhanced pHA production in Escherichia coli. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 11-18.	0.1	0
224	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
225	Static Mechanical, Thermal Stability, and Interfacial Properties of Superheated Steam Treated Oil Palm Biomass Reinforced Polypropylene Biocomposite. <i>Pertanika Journal of Science and Technology</i> , 2020, 28, .	0.6	0
226	Efficient feeding strategy to enhance the start-up of anaerobic ammonium oxidation process in an anaerobic up-flow biofilm column reactor. , 0, 183, 253-267.		0
227	Nanocellulose applications in packaging materials. , 2022, , 289-310.		0