

Mohd Ali Hassan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4824397/publications.pdf>

Version: 2024-02-01

227
papers

7,599
citations

41344

49
h-index

79698

73
g-index

230
all docs

230
docs citations

230
times ranked

6750
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Enhancement of Agro-Industrial Waste Composting Process via the Microbial Inoculation: A Brief Review. <i>Agronomy</i> , 2022, 12, 198.	3.0	21
4	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
5	Nanocellulose applications in packaging materials. , 2022, , 289-310.		0
6	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
7	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
8	Emerging application of biochar as a renewable and superior filler in polymer composites. <i>RSC Advances</i> , 2022, 12, 13938-13949.	3.6	15
9	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
10	Surface Functionalization of Biochar from Oil Palm Empty Fruit Bunch through Hydrothermal Process. <i>Processes</i> , 2021, 9, 149.	2.8	31
11	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
12	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
13	Performance Evaluation of Cellulose Nanofiber with Residual Hemicellulose as a Nanofiller in Polypropylene-Based Nanocomposite. <i>Polymers</i> , 2021, 13, 1064.	4.5	36
14	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
15	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
16	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
17	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
18	Technological Advancement for Efficiency Enhancement of Biodiesel and Residual Glycerol Refining: A Mini Review. <i>Processes</i> , 2021, 9, 1198.	2.8	21

#	ARTICLE	IF	CITATIONS
19	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
20	Bacterial Resistance against Heavy Metals in <i>Pseudomonas aeruginosa</i> RW9 Involving Hexavalent Chromium Removal. <i>Sustainability</i> , 2021, 13, 9797.	3.2	17
21	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
22	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
23	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
24	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
25	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
26	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
27	A Review of Current and Emerging Approaches for Water Pollution Monitoring. <i>Water (Switzerland)</i> , 2020, 12, 3417.	2.7	22
28	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
29	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
30	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
31	Potential of <i>Jatropha curcas</i> L. as Biodiesel Feedstock in Malaysia: A Concise Review. <i>Processes</i> , 2020, 8, 786.	2.8	22
32	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
33	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
34	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
35	Biochar enhanced the nitrifying and denitrifying bacterial communities during the composting of poultry manure and rice straw. <i>Waste Management</i> , 2020, 106, 240-249.	7.4	117
36	Well-Dispersed Cellulose Nanofiber in Low Density Polyethylene Nanocomposite by Liquid-Assisted Extrusion. <i>Polymers</i> , 2020, 12, 927.	4.5	51

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	Multistep, Nonchlorinated Treatment for Cellulose Isolation From Oil Palm Fronds. , 2019, , 31-40.		1
45	Sustainability of Oil Palm Biomass-Based Products. , 2019, , 207-242.		2
46	Oil Palm Biomass Biorefinery for Future Bioeconomy in Malaysia. , 2019, , 265-285.		5
47	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
48	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
49	Oil Palm Biomass Biorefinery for Sustainable Production of Renewable Materials. <i>Biotechnology Journal</i> , 2019, 14, e1800394.	3.5	28
50	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
51	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
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Oil Palm Biomass Cellulose-Fabricated Polylactic Acid Composites for Packaging Applications. , 2018, , 95-105.		17
56	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. Ecological Indicators, 2018, 85, 79-84.	6.3	20
57	Pseudogene product YqiG is important for pflB expression and biohydrogen production in Escherichia coli BW25113. 3 Biotech, 2018, 8, 435.	2.2	1
58	Subcritical Water-Carbon Dioxide Pretreatment of Oil Palm Mesocarp Fiber for Xylooligosaccharide and Glucose Production. Molecules, 2018, 23, 1310.	3.8	16
59	Superheated steam pretreatment of cellulose affects its electrospinnability for microfibrillated cellulose production. Cellulose, 2018, 25, 3853-3859.	4.9	40
60	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. PLoS ONE, 2018, 13, e0199742.	2.5	8
61	Kinetic and thermodynamic of heterogeneously K ₃ PO ₄ /AC-catalysed transesterification via pseudo-first order mechanism and Eyring-Polanyi equation. Fuel, 2018, 232, 653-658.	6.4	48
62	Combination of Superheated Steam with Laccase Pretreatment Together with Size Reduction to Enhance Enzymatic Hydrolysis of Oil Palm Biomass. Molecules, 2018, 23, 811.	3.8	12
63	Pre-treatment of Oil Palm Biomass for Fermentable Sugars Production. Molecules, 2018, 23, 1381.	3.8	43
64	Alcaligenaceae and Chromatiaceae as reliable bioindicators present in palm oil mill effluent final discharge treated by different biotreatment processes. Ecological Indicators, 2018, 95, 468-473.	6.3	10
65	Characterization, morphology, and biodegradation of bioplastic fertilizer (<sc>B</sc>p<sc>F</sc>) composites made of poly(Butylene succinate) blended with oil palm biomass and fertilizer. Polymer Composites, 2017, 38, 2577-2583.	4.6	6
66	Elucidating substrate utilization in biohydrogen production from palm oil mill effluent by Escherichia coli. International Journal of Hydrogen Energy, 2017, 42, 5812-5819.	7.1	36
67	Effects of (R)-3-hydroxyhexanoate units on thermal hydrolysis of poly((R)-3-hydroxybutyrate-co-(R) Tj ETQq1 1 0,784314 rgBT /Ove	5.8	9
68	Bacterial community shift for monitoring the co-composting of oil palm empty fruit bunch and palm oil mill effluent anaerobic sludge. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 869-877.	3.0	25
69	Evaluation of biomass energy potential towards achieving sustainability in biomass energy utilization in Sabah, Malaysia. Biomass and Bioenergy, 2017, 97, 149-154.	5.7	48
70	Production of acetoin from hydrothermally pretreated oil mesocarp fiber using metabolically engineered Escherichia coli in a bioreactor system. Bioresource Technology, 2017, 245, 1040-1048.	9.6	7
71	Waterless purification using oil palm biomass-derived bioadsorbent improved the quality of biodiesel from waste cooking oil. Journal of Cleaner Production, 2017, 165, 262-272.	9.3	41
72	Novel multifunctional plant growthâ€‘promoting bacteria in co-compost of palm oil industry waste. Journal of Bioscience and Bioengineering, 2017, 124, 506-513.	2.2	24

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	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
77	Dynamically controlled fibrillation under combination of ionic liquid with mechanical grinding. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	13
78	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
79	Optimization of Superheated Steam Treatment to Improve Surface Modification of Oil Palm Biomass Fiber. <i>BioResources</i> , 2016, 11, .	1.0	7
80	Superheated Steam Treatment of Oil Palm Mesocarp Fiber Improved the Properties of Fiber-Polypropylene Biocomposite. <i>BioResources</i> , 2016, 12, .	1.0	7
81	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
82	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
83	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
84	Soluble inhibitors generated during hydrothermal pretreatment of oil palm mesocarp fiber suppressed the catalytic activity of <i>Acromonium</i> cellulase. <i>Bioresource Technology</i> , 2016, 200, 541-547.	9.6	17
85	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
86	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
87	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
88	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
89	High Solid Anaerobic Co-digestion of Household Organic Waste with Cow Manure. <i>Procedia Environmental Sciences</i> , 2015, 30, 174-179.	1.4	12
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	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.	8.9	94
93	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
94	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
95	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
96	Effects of pre-treatment technologies on dark fermentative biohydrogen production: A review. <i>Journal of Environmental Management</i> , 2015, 157, 20-48.	7.8	118
97	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
98	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
99	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
100	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
101	Hydrothermal pretreatment enhanced enzymatic hydrolysis and glucose production from oil palm biomass. <i>Bioresource Technology</i> , 2015, 176, 142-148.	9.6	90
102	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
103	Oil Palm Frond Juice as Future Fermentation Substrate: A Feasibility Study. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	18
104	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
105	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
106	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
107	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
108	Ball Milling Pretreatment of Oil Palm Biomass for Enhancing Enzymatic Hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1778-1789.	2.9	91

#	ARTICLE	IF	CITATIONS
109	Optimization of bioethanol production from glycerol by <i>Escherichia coli</i> SS1. <i>Renewable Energy</i> , 2014, 66, 625-633.	8.9	56
110	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
111	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
112	Sustainable production of polyhydroxyalkanoates from renewable oil-palm biomass. <i>Biomass and Bioenergy</i> , 2013, 50, 1-9.	5.7	94
113	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
114	Food waste and food processing waste for biohydrogen production: A review. <i>Journal of Environmental Management</i> , 2013, 130, 375-385.	7.8	190
115	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
116	Influence of pretreated activated sludge for electricity generation in microbial fuel cell application. <i>Bioresource Technology</i> , 2013, 145, 90-96.	9.6	136
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	Modification of Oil Palm Mesocarp Fiber Characteristics Using Superheated Steam Treatment. <i>Molecules</i> , 2013, 18, 9132-9146.	3.8	84
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	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
130	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
131	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
132	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
133	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
134	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
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	PHYSICO-CHEMICAL 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	Waste and Environmental Management in the Malaysian Palm Oil Industry. , 2012, , 693-711.		12
138	DEGRADATION OF OIL PALM EMPTY FRUIT BUNCHES (OPEFB) FIBRE DURING COMPOSTING PROCESS USING IN-VESSEL COMPOSTER. <i>BioResources</i> , 2012, 7, .	1.0	28
139	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
140	Enzymatic Saccharification of Oil Palm Mesocarp Fiber (OPMF) Treated with Superheated Steam. <i>BioResources</i> , 2012, 8, .	1.0	10
141	Utilization of oil palm decanter cake for cellulase and polyoses production. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 547-555.	2.6	40
142	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
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	Chemical recycling of polyhydroxyalkanoates as a method towards sustainable development. <i>Biotechnology Journal</i> , 2010, 5, 484-492.	3.5	73
155	Optimization of growth media components for polyhydroxyalkanoate (PHA) production from organic acids by <i>Ralstonia eutropha</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2037-2045.	3.6	93
156	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
157	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
158	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
159	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
160	Importance of the methanogenic archaea populations in anaerobic wastewater treatments. <i>Process Biochemistry</i> , 2010, 45, 1214-1225.	3.7	121
161	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.	9.3	109
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	Nitrification of ammonium-rich sanitary landfill leachate. <i>Waste Management</i> , 2010, 30, 100-109.	7.4	42
165	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
166	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
167	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
168	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
169	Kitchen Refuse Fermentation. , 2010, , 193-210.		0
170	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
171	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
172	Biohydrogen production by <i>Clostridium butyricum</i> EB6 from palm oil mill effluent. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 764-771.	7.1	155
173	Biohydrogen production from biomass and industrial wastes by dark fermentation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3277-3287.	7.1	327
174	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
175	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
176	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
177	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
178	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
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Delignification of Oil Palm Empty Fruit Bunch using Chemical and Microbial Pretreatment Methods. International Journal of Agricultural Research, 2009, 4, 250-256.	0.1	19
182	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
183	New EFB Refining System Using Structural Units of EFB Lignin. Transactions of the Materials Research Society of Japan, 2009, 34, 731-734.	0.2	0
184	Determination of multiple thermal degradation mechanisms of poly(3-hydroxybutyrate). Polymer Degradation and Stability, 2008, 93, 1433-1439.	5.8	102
185	Effect of Agitation and Aeration Rates on Chitinase Production Using <i>Trichoderma virens</i> UKM1 in 2-l Stirred Tank Reactor. Applied Biochemistry and Biotechnology, 2008, 150, 193-204.	2.9	25
186	Production of bacterial endoglucanase from pretreated oil palm empty fruit bunch by <i>Bacillus pumilus</i> EB3. Journal of Bioscience and Bioengineering, 2008, 106, 231-236.	2.2	97
187	Characteristics of Oil Palm EFB (Empty Fruit Bunch of <i>Elaeis guineensis</i>) Lignin. Transactions of the Materials Research Society of Japan, 2008, 33, 1185-1188.	0.2	2
188	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
189	Production of Reducing Sugars by <i>Trichoderma</i> sp. KUPM0001 during Solid Substrate Fermentation of Sago Starch Processing Waste Hampas. Research Journal of Microbiology, 2008, 3, 569-579.	0.2	6
190	Potential of Oil Palm EFB (Empty Fruit Bunch of <i>Elaeis guineensis</i>) as Industrial Raw Materials. Transactions of the Materials Research Society of Japan, 2008, 33, 1181-1184.	0.2	1
191	Optimization of conditions for production of sago starch-based foam. Carbohydrate Polymers, 2007, 68, 751-760.	10.2	16
192	Start-up operation of semi-commercial closed anaerobic digester for palm oil mill effluent treatment. Process Biochemistry, 2006, 41, 962-964.	3.7	104
193	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
194	Treatment of Palm Oil Wastewaters. , 2005, , 101-117.		8
195	Baseline study of methane emission from open digesting tanks of palm oil mill effluent treatment. Chemosphere, 2005, 59, 1575-1581.	8.2	128
196	Treatment of Palm Oil Wastewaters. , 2004, , 719-735.		3
197	Reduction of Methane Released from Palm Oil Mill Lagoon in Malaysia and Its Countermeasures. Mitigation and Adaptation Strategies for Global Change, 2003, 8, 237-252.	2.1	38
198	Effects of Single Food Components on Freeze Concentration by Freezing and Thawing Technique. Japan Journal of Food Engineering, 2003, 4, 77-83.	0.3	34

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	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
202	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
203	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
204	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
205	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
206	Degumming of Crude Palm Oil by Membrane Filtration. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1999, 27, 381-385.	0.9	13
207	Production of Organic Acids from Kitchen Wastes. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1999, 27, 455-459.	0.9	11
208	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 1998, 14, 491-498.	3.6	14
209	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
210	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
211	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
212	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
213	Chromatographic separation of galactosylkojic acid. <i>Journal of Bioscience and Bioengineering</i> , 1997, 84, 82-85.	0.9	4
214	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
215	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
216	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

#	ARTICLE	IF	CITATIONS
217	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
218	Enzymatic Synthesis of Galactosylkojic Acid with Immobilized β -Galactosidase from <i>Bacillus circulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 543-545.	1.3	15
219	Storage stability of coconut milk powder. <i>Journal of the Science of Food and Agriculture</i> , 1988, 43, 95-100.	3.5	4
220	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
221	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
222	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
223	Triple knockout of <i>frdC</i> , <i>gltA</i> and <i>pta</i> genes enhanced pHA production in <i>Escherichia coli</i> . <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	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
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	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