

# Man Kee Lam

## List of Publications by Year in descending order

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143  
papers

9,266  
citations

31902

53  
h-index

42291

92  
g-index

143  
all docs

143  
docs citations

143  
times ranked

8213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogeneous, heterogeneous and enzymatic catalysis for transesterification of high free fatty acid oil (waste cooking oil) to biodiesel: A review. <i>Biotechnology Advances</i> , 2010, 28, 500-518.	6.0	1,054
2	Microalgae biofuels: A critical review of issues, problems and the way forward. <i>Biotechnology Advances</i> , 2012, 30, 673-690.	6.0	797
3	Microalgae biofuels as an alternative to fossil fuel for power generation. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 180-197.	8.2	454
4	Current status and challenges on microalgae-based carbon capture. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 456-469.	2.3	293
5	Renewable and sustainable bioenergies production from palm oil mill effluent (POME): Win-win strategies toward better environmental protection. <i>Biotechnology Advances</i> , 2011, 29, 124-141.	6.0	284
6	A review on microalgae cultivation and harvesting, and their biomass extraction processing using ionic liquids. <i>Bioengineered</i> , 2020, 11, 116-129.	1.4	229
7	Insights into the microalgae cultivation technology and harvesting process for biofuel production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109361.	8.2	224
8	Malaysian palm oil: Surviving the food versus fuel dispute for a sustainable future. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 1456-1464.	8.2	208
9	Harvesting and pre-treatment of microalgae cultivated in wastewater for biodiesel production: A review. <i>Energy Conversion and Management</i> , 2018, 171, 1416-1429.	4.4	200
10	Third generation biofuels: A nutritional perspective in enhancing microbial lipid production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 950-961.	8.2	191
11	Sulfated tin oxide as solid superacid catalyst for transesterification of waste cooking oil: An optimization study. <i>Applied Catalysis B: Environmental</i> , 2009, 93, 134-139.	10.8	168
12	Life cycle evaluation of microalgae biofuels production: Effect of cultivation system on energy, carbon emission and cost balance analysis. <i>Science of the Total Environment</i> , 2019, 688, 112-128.	3.9	162
13	Cultivation of microalgae for biodiesel production: A review on upstream and downstream processing. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 17-30.	1.7	150
14	Potential of using organic fertilizer to cultivate <i>Chlorella vulgaris</i> for biodiesel production. <i>Applied Energy</i> , 2012, 94, 303-308.	5.1	138
15	Algae biorefinery: Review on a broad spectrum of downstream processes and products. <i>Bioresource Technology</i> , 2019, 292, 121964.	4.8	138
16	Advanced in developmental organic and inorganic nanomaterial: a review. <i>Bioengineered</i> , 2020, 11, 328-355.	1.4	136
17	Cultivation of <i>Chlorella vulgaris</i> using nutrients source from domestic wastewater for biodiesel production: Growth condition and kinetic studies. <i>Renewable Energy</i> , 2017, 103, 197-207.	4.3	115
18	Mixed methanol-ethanol technology to produce greener biodiesel from waste cooking oil: A breakthrough for $\text{SO}_4^{2-}/\text{SnO}_2/\text{SiO}_2$ catalyst. <i>Fuel Processing Technology</i> , 2011, 92, 1639-1645.	3.7	113

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19	Algae biopolymer towards sustainable circular economy. <i>Bioresource Technology</i> , 2021, 325, 124702.	4.8	112
20	Thermogravimetric kinetic modelling of in-situ catalytic pyrolytic conversion of rice husk to bioenergy using rice hull ash catalyst. <i>Bioresource Technology</i> , 2018, 261, 213-222.	4.8	110
21	Immobilization as a feasible method to simplify the separation of microalgae from water for biodiesel production. <i>Chemical Engineering Journal</i> , 2012, 191, 263-268.	6.6	104
22	Life cycle assessment for the production of biodiesel: A case study in Malaysia for palm oil versus jatropha oil. <i>Biofuels, Bioproducts and Biorefining</i> , 2009, 3, 601-612.	1.9	97
23	The effect of industrial waste coal bottom ash as catalyst in catalytic pyrolysis of rice husk for syngas production. <i>Energy Conversion and Management</i> , 2018, 165, 541-554.	4.4	97
24	Effect of carbon source towards the growth of <i>Chlorella vulgaris</i> for CO <sub>2</sub> bio-mitigation and biodiesel production. <i>International Journal of Greenhouse Gas Control</i> , 2013, 14, 169-176.	2.3	93
25	Advances in production of bioplastics by microalgae using food waste hydrolysate and wastewater: A review. <i>Bioresource Technology</i> , 2021, 342, 125947.	4.8	89
26	Microalgae Cultivation in Palm Oil Mill Effluent (POME) Treatment and Biofuel Production. <i>Sustainability</i> , 2021, 13, 3247.	1.6	83
27	Impact of various microalgal-bacterial populations on municipal wastewater bioremediation and its energy feasibility for lipid-based biofuel production. <i>Journal of Environmental Management</i> , 2019, 249, 109384.	3.8	82
28	A review of organic waste enrichment for inducing palatability of black soldier fly larvae: Wastes to valuable resources. <i>Environmental Pollution</i> , 2020, 267, 115488.	3.7	79
29	Heterogeneous catalyzed biodiesel production from <i>Moringa oleifera</i> oil. <i>Fuel Processing Technology</i> , 2010, 91, 1525-1529.	3.7	78
30	Development of high microwave-absorptive bifunctional graphene oxide-based catalyst for biodiesel production. <i>Energy Conversion and Management</i> , 2019, 180, 1013-1025.	4.4	78
31	The effect of stress environment towards lipid accumulation in microalgae after harvesting. <i>Renewable Energy</i> , 2020, 154, 1083-1091.	4.3	76
32	A review on recent disposal of hazardous sewage sludge via anaerobic digestion and novel composting. <i>Journal of Hazardous Materials</i> , 2022, 423, 126995.	6.5	76
33	Green Pathway in Utilizing CO <sub>2</sub> via Cycloaddition Reaction with Epoxide—A Mini Review. <i>Processes</i> , 2020, 8, 548.	1.3	68
34	Artificial neural network approach for co-pyrolysis of <i>Chlorella vulgaris</i> and peanut shell binary mixtures using microalgae ash catalyst. <i>Energy</i> , 2020, 207, 118289.	4.5	68
35	Optimization of self-fermented period of waste coconut endosperm destined to feed black soldier fly larvae in enhancing the lipid and protein yields. <i>Renewable Energy</i> , 2017, 111, 646-654.	4.3	67
36	Accelerating transesterification reaction with biodiesel as co-solvent: A case study for solid acid sulfated tin oxide catalyst. <i>Fuel</i> , 2010, 89, 3866-3870.	3.4	66

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37	A practical approach for synthesis of biodiesel via non-edible seeds oils using trimetallic based montmorillonite nano-catalyst. <i>Bioresource Technology</i> , 2021, 328, 124859.	4.8	65
38	Anaerobic digestate as a low-cost nutrient source for sustainable microalgae cultivation: A way forward through waste valorization approach. <i>Science of the Total Environment</i> , 2022, 803, 150070.	3.9	65
39	Potential Protein and Biodiesel Sources from Black Soldier Fly Larvae: Insights of Larval Harvesting Instar and Fermented Feeding Medium. <i>Energies</i> , 2019, 12, 1570.	1.6	64
40	Insight review of attached microalgae growth focusing on support material packed in photobioreactor for sustainable biodiesel production and wastewater bioremediation. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110306.	8.2	64
41	Hydrochar production from high-ash low-lipid microalgal biomass via hydrothermal carbonization: Effects of operational parameters and products characterization. <i>Environmental Research</i> , 2020, 188, 109828.	3.7	64
42	Catalytic pyrolysis of <i>Chlorella vulgaris</i> : Kinetic and thermodynamic analysis. <i>Bioresource Technology</i> , 2019, 289, 121689.	4.8	63
43	Fundamental review of organosolv pretreatment and its challenges in emerging consolidated bioprocessing. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 808-829.	1.9	63
44	Co-cultivation of activated sludge and microalgae for the simultaneous enhancements of nitrogen-rich wastewater bioremediation and lipid production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 216-224.	2.7	62
45	Croton megalocarpus oil: A feasible non-edible oil source for biodiesel production. <i>Bioresource Technology</i> , 2010, 101, 7000-7004.	4.8	61
46	Catalytic transesterification of high viscosity crude microalgae lipid to biodiesel: Effect of co-solvent. <i>Fuel Processing Technology</i> , 2013, 110, 242-248.	3.7	61
47	Cultivation of Oily Microalgae for the Production of Third-Generation Biofuels. <i>Sustainability</i> , 2019, 11, 5424.	1.6	61
48	Advances of macroalgae biomass for the third generation of bioethanol production. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 502-517.	1.7	61
49	Enhancing microalga <i>Chlorella sorokiniana</i> CY-1 biomass and lipid production in palm oil mill effluent (POME) using novel-designed photobioreactor. <i>Bioengineered</i> , 2020, 11, 61-69.	1.4	61
50	Optimum interaction of light intensity and CO <sub>2</sub> concentration in bioremediating N-rich real wastewater via assimilation into attached microalgal biomass as the feedstock for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2020, 141, 355-365.	2.7	59
51	Modeling to enhance attached microalgal biomass growth onto fluidized beds packed in nutrients-rich wastewater whilst simultaneously biofixing CO <sub>2</sub> into lipid for biodiesel production. <i>Energy Conversion and Management</i> , 2019, 185, 1-10.	4.4	58
52	Flocculation of <i>Chlorella vulgaris</i> by shell waste-derived bioflocculants for biodiesel production: Process optimization, characterization and kinetic studies. <i>Science of the Total Environment</i> , 2020, 702, 134995.	3.9	58
53	Palatability of black soldier fly larvae in valorizing mixed waste coconut endosperm and soybean curd residue into larval lipid and protein sources. <i>Journal of Environmental Management</i> , 2019, 231, 129-136.	3.8	56
54	Cultivation of <i>Chlorella vulgaris</i> in a pilot-scale sequential-baffled column photobioreactor for biomass and biodiesel production. <i>Energy Conversion and Management</i> , 2014, 88, 399-410.	4.4	55

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55	Semi-continuous cultivation of <i>Chlorella vulgaris</i> using chicken compost as nutrients source: Growth optimization study and fatty acid composition analysis. <i>Energy Conversion and Management</i> , 2018, 164, 363-373.	4.4	55
56	Organic Carbonate Production Utilizing Crude Glycerol Derived as By-Product of Biodiesel Production: A Review. <i>Energies</i> , 2020, 13, 1483.	1.6	52
57	Valorization of exo-microbial fermented coconut endosperm waste by black soldier fly larvae for simultaneous biodiesel and protein productions. <i>Environmental Research</i> , 2020, 185, 109458.	3.7	50
58	Pilot-scale semi-continuous cultivation of microalgae <i>Chlorella vulgaris</i> in bubble column photobioreactor (BC-PBR): Hydrodynamics and gas-liquid mass transfer study. <i>Algal Research</i> , 2016, 15, 65-76.	2.4	49
59	Lipid for biodiesel production from attached growth <i>Chlorella vulgaris</i> biomass cultivating in fluidized bed bioreactor packed with polyurethane foam material. <i>Bioresource Technology</i> , 2017, 239, 127-136.	4.8	49
60	Novel sequential flow baffled microalgal-bacterial photobioreactor for enhancing nitrogen assimilation into microalgal biomass whilst bioremediating nutrient-rich wastewater simultaneously. <i>Journal of Hazardous Materials</i> , 2021, 409, 124455.	6.5	49
61	Stabilization of heavy metals loaded sewage sludge: Reviewing conventional to state-of-the-art thermal treatments in achieving energy sustainability. <i>Chemosphere</i> , 2021, 277, 130310.	4.2	49
62	Hydrolysis of macroalgae using heterogeneous catalyst for bioethanol production. <i>Carbohydrate Polymers</i> , 2013, 94, 561-566.	5.1	47
63	High biodiesel yield from wet microalgae paste via in-situ transesterification: Effect of reaction parameters towards the selectivity of fatty acid esters. <i>Fuel</i> , 2020, 272, 117718.	3.4	47
64	Cultivation of <i>Chlorella vulgaris</i> using sequential-flow bubble column photobioreactor: A stress-inducing strategy for lipid accumulation and carbon dioxide fixation. <i>Journal of CO2 Utilization</i> , 2020, 41, 101226.	3.3	44
65	Comparative Performances of Microalgal-Bacterial Co-Cultivation to Bioremediate Synthetic and Municipal Wastewaters Whilst Producing Biodiesel Sustainably. <i>Processes</i> , 2020, 8, 1427.	1.3	42
66	Dual nutrient heterogeneity modes in a continuous flow photobioreactor for optimum nitrogen assimilation to produce microalgal biodiesel. <i>Renewable Energy</i> , 2022, 184, 443-451.	4.3	35
67	Blended Sewage Sludge-Palm Kernel Expeller to Enhance the Palatability of Black Soldier Fly Larvae for Biodiesel Production. <i>Processes</i> , 2021, 9, 297.	1.3	33
68	Identification of microbial inhibitions and mitigation strategies towards cleaner bioconversions of palm oil mill effluent (POME): A review. <i>Journal of Cleaner Production</i> , 2021, 280, 124346.	4.6	32
69	Utilizing lipid-extracted microalgae biomass residues for maltodextrin production. <i>Chemical Engineering Journal</i> , 2014, 235, 224-230.	6.6	31
70	Mechanistic kinetic models describing impact of early attachment between <i>Chlorella vulgaris</i> and polyurethane foam material in fluidized bed bioreactor on lipid for biodiesel production. <i>Algal Research</i> , 2018, 33, 209-217.	2.4	31
71	In-Situ Yeast Fermentation to Enhance Bioconversion of Coconut Endosperm Waste into Larval Biomass of <i>Hermetia illucens</i> : Statistical Augmentation of Larval Lipid Content. <i>Sustainability</i> , 2020, 12, 1558.	1.6	31
72	Photoperiod-induced mixotrophic metabolism in <i>Chlorella vulgaris</i> for high biomass and lipid to biodiesel productions using municipal wastewater medium. <i>Fuel</i> , 2022, 313, 123052.	3.4	31

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73	Particle swarm optimization and global sensitivity analysis for catalytic co-pyrolysis of <i>Chlorella vulgaris</i> and plastic waste mixtures. <i>Bioresource Technology</i> , 2021, 329, 124874.	4.8	30
74	Torrefaction of Empty Fruit Bunch in the Presence of Combustion Gas. <i>Procedia Engineering</i> , 2016, 148, 750-757.	1.2	29
75	Scale-up and commercialization of algal cultivation and biofuels production. , 2019, , 475-506.		27
76	Biohydrogen Production From Algae. , 2019, , 219-245.		27
77	Holistic process evaluation of non-conventional palm oil mill effluent (POME) treatment technologies: A conceptual and comparative review. <i>Journal of Hazardous Materials</i> , 2021, 409, 124964.	6.5	27
78	Synergistic effects of catalytic co-pyrolysis <i>Chlorella vulgaris</i> and polyethylene mixtures using artificial neuron network: Thermodynamic and empirical kinetic analyses. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107391.	3.3	27
79	Third-generation bioethanol and L-lactic acid production from red macroalgae cellulosic residue: Prospects of Industry 5.0 algae. <i>Energy Conversion and Management</i> , 2022, 253, 115155.	4.4	26
80	Optimization of protein extraction from <i>Chlorella Vulgaris</i> via novel sugaringâ€out assisted liquid biphasic electric flotation system. <i>Engineering in Life Sciences</i> , 2019, 19, 968-977.	2.0	23
81	Sustainable and green pretreatment strategy of <i>Eucheuma denticulatum</i> residues for third-generation L-lactic acid production. <i>Bioresource Technology</i> , 2021, 330, 124930.	4.8	22
82	Unravelling CO2 capture performance of microalgae cultivation and other technologies via comparative carbon balance analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106519.	3.3	22
83	Revealing the effect of reaction parameters towards alkyl group distribution in in-situ transesterification of <i>Chlorella vulgaris</i> . <i>Energy Conversion and Management</i> , 2019, 185, 223-231.	4.4	21
84	The potential of using microalgae for simultaneous oil removal in wastewater and lipid production. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2755-2766.	1.8	21
85	Biorefinery of <i>Chlorella sorokiniana</i> using ultra sonication assisted liquid triphasic flotation system. <i>Bioresource Technology</i> , 2020, 303, 122931.	4.8	20
86	Finned spacer for enhancing the impact of air bubbles for membrane fouling control in <i>Chlorella vulgaris</i> filtration. <i>Bioresource Technology Reports</i> , 2020, 11, 100429.	1.5	20
87	<i>Rhizopus oligosporus</i> -Assisted Valorization of Coconut Endosperm Waste by Black Soldier Fly Larvae for Simultaneous Protein and Lipid to Biodiesel Production. <i>Processes</i> , 2021, 9, 299.	1.3	20
88	Correlating black soldier fly larvae growths with soluble nutrients derived from thermally pre-treated waste activated sludge. <i>Environmental Research</i> , 2022, 210, 112923.	3.7	20
89	Cultivation of <i>Chlorella vulgaris</i> Using Plant-based and Animal Waste-based Compost: A Comparison Study. <i>Procedia Engineering</i> , 2016, 148, 679-686.	1.2	18
90	Reaction kinetic and thermodynamics studies for in-situ transesterification of wet microalgae paste to biodiesel. <i>Chemical Engineering Research and Design</i> , 2021, 169, 250-264.	2.7	17

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91	Residual palm kernel expeller as the support material and alimentation provider in enhancing attached microalgal growth for quality biodiesel production. <i>Journal of Environmental Management</i> , 2022, 316, 115225.	3.8	17
92	Synthesis of glycerolâ€free fatty acid methyl ester using interesterification reaction based on solid acid carbon catalyst derived from lowâ€cost biomass wastes. <i>International Journal of Energy Research</i> , 2022, 46, 147-162.	2.2	16
93	Bioethanol Production from Microalgae. , 2015, , 197-208.		15
94	Macroalgae-derived regenerated cellulose in the stabilization of oil-in-water Pickering emulsions. <i>Carbohydrate Polymers</i> , 2020, 249, 116875.	5.1	15
95	Third-generation L-Lactic acid production by the microwave-assisted hydrolysis of red macroalgae <i>Eucheuma denticulatum</i> extract. <i>Bioresource Technology</i> , 2021, 342, 125880.	4.8	15
96	3D graphene-based adsorbents: Synthesis, proportional analysis and potential applications in oil elimination. <i>Chemosphere</i> , 2022, 287, 132129.	4.2	15
97	Assuaging Microalgal Harvesting Woes via Attached Growth: A Critical Review to Produce Sustainable Microalgal Feedstock. <i>Sustainability</i> , 2021, 13, 11159.	1.6	15
98	A review on potential of biohydrogen generation through waste decomposition technologies. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8549-8574.	2.9	14
99	Corn starch/PVA bioplasticsâ€™The properties and biodegradability study using <i>Chlorella vulgaris</i> cultivation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2622.	0.8	14
100	Ultra low-pressure filtration system for energy efficient microalgae filtration. <i>Heliyon</i> , 2021, 7, e07367.	1.4	14
101	Enriched sewage sludge from anaerobic pre-treatment in spurring valorization potential of black soldier fly larvae. <i>Environmental Research</i> , 2022, 212, 113447.	3.7	14
102	Examination of indigenous microalgal species for maximal protein synthesis. <i>Biochemical Engineering Journal</i> , 2020, 154, 107425.	1.8	13
103	A Review on Insights for Green Production of Unconventional Protein and Energy Sources Derived from the Larval Biomass of Black Soldier Fly. <i>Processes</i> , 2020, 8, 523.	1.3	13
104	Influence of environmental stress on microalgae growth and lipid profile: a systematic review. <i>Phytochemistry Reviews</i> , 2023, 22, 879-901.	3.1	13
105	Valorization of fish bone waste as novel bioflocculant for rapid microalgae harvesting: Experimental evaluation and modelling using back propagation artificial neural network. <i>Journal of Water Process Engineering</i> , 2022, 47, 102808.	2.6	13
106	In-Situ Yeast Fermentation Medium in Fortifying Protein and Lipid Accumulations in the Harvested Larval Biomass of Black Soldier Fly. <i>Processes</i> , 2020, 8, 337.	1.3	12
107	Attached microalgae converting spent coffee ground into lipid for biodiesel production and sequestering atmospheric CO2 simultaneously. <i>Algal Research</i> , 2022, 66, 102780.	2.4	12
108	A Sugarcane-Bagasse-Based Adsorbent Employed for Mitigating Eutrophication Threats and Producing Biodiesel Simultaneously. <i>Processes</i> , 2019, 7, 572.	1.3	11

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109	Green bioprocessing of protein from <i>Chlorella vulgaris</i> microalgae towards circular bioeconomy. <i>Bioresource Technology</i> , 2021, 333, 125197.	4.8	11
110	Production of Biodiesel Using Palm Oil. , 2011, , 353-374.		10
111	Dual Role of <i>Chlorella vulgaris</i> in Wastewater Treatment for Biodiesel Production: Growth Optimization and Nutrients Removal Study. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2017, 96, 290-299.	0.2	10
112	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. <i>Processes</i> , 2021, 9, 275.	1.3	10
113	Advancement of biorefinery-derived platform chemicals from macroalgae: a perspective for bioethanol and lactic acid. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1443-1479.	2.9	10
114	Scale-Up and Commercialization of Algal Cultivation and Biofuel Production. , 2014, , 261-286.		8
115	Liminal presence of exo-microbes inoculating coconut endosperm waste to enhance black soldier fly larval protein and lipid. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24574-24581.	2.7	8
116	Potential of macroalgae-based biorefinery for lactic acid production from exergy aspect. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 2623-2653.	2.9	8
117	pH optimization to promote attached growth of microalgae biomass onto polyurethane foam material. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	7
118	The potential of attached growth of microalgae on solid surface for biomass and lipid production. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 965, 012001.	0.3	7
119	Production of Biodiesel Using Palm Oil. , 2019, , 539-574.		6
120	Development of Biofloculant from Chicken's Eggshell Membrane to Harvest <i>Chlorella vulgaris</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012121.	0.2	6
121	Exergy analysis of a biorefinery process for co-production of third-generation L-lactic acid and electricity from <i>Eucheuma denticulatum</i> residues. <i>Energy</i> , 2022, 242, 122968.	4.5	6
122	Biohydrogen Production from Algae. , 2013, , 161-184.		5
123	Cultivation of <i>Chlorella vulgaris</i> in Sequential Flow Photobioreactor System: Influence of Recycled Culture Medium on Growth, Lipid and Protein Content. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 721, 012013.	0.2	5
124	Microalgae cultivation for sustainable biofuel production. , 2022, , 137-158.		5
125	Hydrolysis kinetics for solubilizing waste activated sludge at low temperature thermal treatment derived from multivariate non-linear model. <i>Chemosphere</i> , 2022, 292, 133478.	4.2	5
126	Effect of NaNO <sub>3</sub> and NaCl concentration on <i>Nannochloropsis oculata</i> cell biomass and FAME composition for biodiesel production. <i>Journal of Physics: Conference Series</i> , 2018, 1123, 012071.	0.3	4

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127	Microscale and Macroscale Modeling of Microalgae Cultivation in Photobioreactor: A Review and Perspective. , 2019, , 1-19.		4
128	Facile asymmetric modification of graphene nanosheets using $\lambda$ -carrageenan as a green template. Journal of Colloid and Interface Science, 2022, 607, 1131-1141.	5.0	4
129	The impact of using recycled culture medium to grow <i>Chlorella vulgaris</i> in a sequential flow system: Evaluation on growth, carbon removal, and biochemical compositions. Biomass and Bioenergy, 2022, 159, 106412.	2.9	4
130	Spent coffee grounds-based activated carbon preparation for sequestering of malachite green. AIP Conference Proceedings, 2016, , .	0.3	3
131	Cultivation of <i>Chlorella vulgaris</i> in photobioreactor by using compost as a nutrient source for biomass production. Journal of Fundamental and Applied Sciences, 2018, 9, 288.	0.2	3
132	Cultivation of microalgae in fluidized bed bioreactor: impacts of light intensity and CO <sub>2</sub> concentration. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022018.	0.3	3
133	Heterotrophic and Mixotrophic Cultivation of <i>Chlorella vulgaris</i> using Chicken Waste Compost as Nutrients Source for Lipid Production. IOP Conference Series: Earth and Environmental Science, 2021, 721, 012011.	0.2	3
134	Utilization of solid palm kernel expeller for attached growth of <i>Chlorella vulgaris</i> sp.. AIP Conference Proceedings, 2022, , .	0.3	2
135	Utilizing Lipid-extracted Microalgae Residue for Removal of Methylene Blue from Aqueous Solution. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012039.	0.3	1
136	Harvesting and pre-treatment of microalgae biomass via ozonation for lipid extraction: A preliminary study. AIP Conference Proceedings, 2018, , .	0.3	1
137	Optimization of polyurethane foam cube in enhancing the attachment of microalgae biomass. Journal of Fundamental and Applied Sciences, 2018, 9, 642.	0.2	1
138	Production of biodiesel from <i>Annona muricata</i> seeds. E3S Web of Conferences, 2019, 90, 01011.	0.2	1
139	Impact of limited feed medium and different lipid extraction solvents in dealing with black soldier fly larvae. AIP Conference Proceedings, 2019, , .	0.3	1
140	Decolourization of chicken compost derived liquid fertilizer via synergic ultraviolet (UV) irradiation and ozonation for enhanced microalgae cultivation. E3S Web of Conferences, 2021, 287, 04013.	0.2	1
141	Optimized Preparation of <i>Moringa Oleifera</i> Methyl Esters Using Sulfated Tin Oxide as Heterogenous Catalyst. , 2010, , .		0
142	Assessing the effects of operating parameters on flocculation of <i>Chlorella vulgaris</i> using bioflocculants extracted from miscellaneous waste biomass. E3S Web of Conferences, 2021, 287, 04004.	0.2	0
143	Fortification of black soldier fly larval feeding substrate for producing biodiesel. AIP Conference Proceedings, 2022, , .	0.3	0