

# Jun Wei Lim

## List of Publications by Year in descending order

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193  
papers

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citations

38742

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56724

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docs citations

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times ranked

7546  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on potential of biohydrogen generation through waste decomposition technologies. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8549-8574.	4.6	14
2	Influence of environmental stress on microalgae growth and lipid profile: a systematic review. <i>Phytochemistry Reviews</i> , 2023, 22, 879-901.	6.5	13
3	Determination of Three Endocrine Disruptors in Water Samples by Ultrasound-Assisted Salt-Induced Liquid-Liquid Microextraction (UA-SI-LLME) and High-Performance Liquid Chromatography “ Diode Array Detection (HPLC-DAD). <i>Analytical Letters</i> , 2022, 55, 132-145.	1.8	1
4	Photocatalytic membranes: a new perspective for persistent organic pollutants removal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12506-12530.	5.3	27
5	Mechanism of $\text{CaO}$ catalyst deactivation with unconventional monitoring method for glycerol carbonate production via transesterification of glycerol with dimethyl carbonate. <i>International Journal of Energy Research</i> , 2022, 46, 1646-1658.	4.5	10
6	A review on recent disposal of hazardous sewage sludge via anaerobic digestion and novel composting. <i>Journal of Hazardous Materials</i> , 2022, 423, 126995.	12.4	76
7	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.	8.0	65
8	Ameliorating $\text{Cu}^{2+}$ reduction in microbial fuel cell with Z-scheme $\text{BiFeO}_3$ decorated on flower-like $\text{ZnO}$ composite photocathode. <i>Chemosphere</i> , 2022, 287, 132384.	8.2	45
9	Can biochar and hydrochar be used as sustainable catalyst for persulfate activation?. <i>Chemosphere</i> , 2022, 287, 132458.	8.2	47
10	Bioresources and biofuels”From classical to perspectives and trends. , 2022, , 165-220.		3
11	Domination of methylene blue over rhodamine B during simultaneous photocatalytic degradation by $\text{TiO}_2$ nanoparticles in an aqueous binary solution under UV irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 511-527.	1.7	12
12	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.	8.9	35
13	Hydrolysis kinetics for solubilizing waste activated sludge at low temperature thermal treatment derived from multivariate non-linear model. <i>Chemosphere</i> , 2022, 292, 133478.	8.2	5
14	Antimicrobial activity of silver sulfide quantum dots functionalized with highly conjugated Schiff bases in a one-step synthesis. <i>RSC Advances</i> , 2022, 12, 3136-3146.	3.6	9
15	Pelletizing of Various Municipal Solid Waste: Effect of Hardness and Density into Caloric Value. <i>Ecological Engineering and Environmental Technology</i> , 2022, 23, 122-128.	0.7	5
16	Correlating black soldier fly larvae growths with soluble nutrients derived from thermally pre-treated waste activated sludge. <i>Environmental Research</i> , 2022, 210, 112923.	7.5	20
17	Application of Biochar as Functional Material for Remediation of Organic Pollutants in Water: An Overview. <i>Catalysts</i> , 2022, 12, 210.	3.5	25
18	Catalytic Hydrotreating of Crude <i>Pongamia pinnata</i> Oil to Bio-Hydrogenated Diesel over Sulfided NiMo Catalyst. <i>Energies</i> , 2022, 15, 1547.	3.1	8

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19	Anaerobic Co-Digestion of Food Waste with Sewage Sludge: Simulation and Optimization for Maximum Biogas Production. <i>Water (Switzerland)</i> , 2022, 14, 1075.	2.7	12
20	Theoretical and Experimental Studies of CO <sub>2</sub> Absorption in Double-Unit Flat-Plate Membrane Contactors. <i>Membranes</i> , 2022, 12, 370.	3.0	2
21	Substitution Garden and Polyethylene Terephthalate (PET) Plastic Waste as Refused Derived Fuel (RDF). <i>International Journal of Renewable Energy Development</i> , 2022, 11, 523-532.	2.4	6
22	Fungal Fermented Palm Kernel Expeller as Feed for Black Soldier Fly Larvae in Producing Protein and Biodiesel. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 332.	3.5	13
23	Recent Developments in Metabolomics Studies of Endophytic Fungi. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 332.	3.5	17
24	Feasibility of Bio-Coal Production from Hydrothermal Carbonization (HTC) Technology Using Food Waste in Malaysia. <i>Sustainability</i> , 2022, 14, 4534.	3.2	3
25	Comprehensive Review on Potential Contamination in Fuel Ethanol Production with Proposed Specific Guideline Criteria. <i>Energies</i> , 2022, 15, 2986.	3.1	4
26	Artificial Neural Network (ANN) Modelling for Biogas Production in Pre-Commercialized Integrated Anaerobic-Aerobic Bioreactors (IAAB). <i>Water (Switzerland)</i> , 2022, 14, 1410.	2.7	9
27	Enriched sewage sludge from anaerobic pre-treatment in spurring valorization potential of black soldier fly larvae. <i>Environmental Research</i> , 2022, 212, 113447.	7.5	14
28	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.	7.8	17
29	Enhanced synchronous photocatalytic 4-chlorophenol degradation and Cr(VI) reduction by novel magnetic separable visible-light-driven Z-scheme CoFe <sub>2</sub> O <sub>4</sub> /P-doped BiOBr heterojunction nanocomposites. <i>Environmental Research</i> , 2022, 212, 113394.	7.5	59
30	Development of $\beta$ -cyclodextrin crosslinked citric acid encapsulated in polypropylene membrane protected $\beta$ -solid-phase extraction device for enhancing the separation and preconcentration of endocrine disruptor compounds. <i>Chemosphere</i> , 2022, 303, 135075.	8.2	6
31	Tailoring the substrate of thin film reverse osmosis membrane through a novel $\beta$ -FeOOH nanorods templating strategy: An insight into the effects on interfacial polymerization of polyamide. <i>Journal of Membrane Science</i> , 2022, 657, 120706.	8.2	8
32	Characterization Sludge from Drying Area and Sludge Drying Bed in Sludge Treatment Plant Surabaya City for Waste to Energy Approach. <i>Journal of Ecological Engineering</i> , 2022, 23, 268-275.	1.1	3
33	Special Issue on "Sustainable Modellings, Processes and Applications for Societal Development" Processes, 2022, 10, 1153.	2.8	0
34	Microalgae cultivation in offshore floating photobioreactor: State-of-the-art, opportunities and challenges. <i>Aquacultural Engineering</i> , 2022, 98, 102269.	3.1	13
35	<i>Nepenthes mirabilis</i> Fractionated Pitcher Fluid Use for Mixed Agro-Waste Pretreatment: Advocacy for Non-Chemical Use in Biorefineries. <i>Catalysts</i> , 2022, 12, 726.	3.5	1
36	Cellulase pretreated palm decanter cake for feeding of black soldier fly larvae in triggering bioaccumulation of protein and lipid into biodiesel productions. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102485.	2.7	1

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37	Environment impact and bioenergy analysis on the microwave pyrolysis of WAS from food industry: Comparison of CO <sub>2</sub> and N <sub>2</sub> atmosphere. <i>Journal of Environmental Management</i> , 2022, 319, 115665.	7.8	10
38	Performance evaluation and kinetic modeling of down-flow high-rate anaerobic bioreactors for poultry slaughterhouse wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9529-9541.	5.3	20
39	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.	9.3	32
40	Ancillary palm oil fuel ash (POFA) in sequencing batch reactor for enhancing recalcitrant pollutants removal from domestic wastewater. <i>Chemosphere</i> , 2021, 265, 129050.	8.2	3
41	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.	12.4	49
42	Decolourization of chicken compost derived liquid fertilizer via synergic ultraviolet (UV) irradiation and ozonation for enhanced microalgae cultivation. <i>E3S Web of Conferences</i> , 2021, 287, 04013.	0.5	1
43	A Utilization of Choline Chloride-Based Deep Eutectic Solvent Integrated with Alkaline Earth Metal Hexahydrate in the Pretreatment of Oil Palm Fronds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 2011-2026.	3.7	13
44	Experimental and Modeling of Dicamba Adsorption in Aqueous Medium Using MIL-101(Cr) Metal-Organic Framework. <i>Processes</i> , 2021, 9, 419.	2.8	18
45	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. <i>Processes</i> , 2021, 9, 275.	2.8	10
46	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.	1.5	14
47	Self-setting Î²-tricalcium phosphate granular cement at physiological body condition: effect of citric acid concentration as an inhibitor. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 687.	1.9	5
48	Rhizopus oligosporus-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.	2.8	20
49	Blended Sewage Sludgeâ€™Palm Kernel Expeller to Enhance the Palatability of Black Soldier Fly Larvae for Biodiesel Production. <i>Processes</i> , 2021, 9, 297.	2.8	33
50	Photocatalytic Reduction of CO <sub>2</sub> to Methanol Using a Copper-Zirconia Imidazolate Framework. <i>Catalysts</i> , 2021, 11, 346.	3.5	5
51	Microalgae Cultivation in Palm Oil Mill Effluent (POME) Treatment and Biofuel Production. <i>Sustainability</i> , 2021, 13, 3247.	3.2	83
52	Waste biorefinery towards a sustainable circular bioeconomy: a solution to global issues. <i>Biotechnology for Biofuels</i> , 2021, 14, 87.	6.2	176
53	Enhancing the Permeate Flux of Direct Contact Membrane Distillation Modules with Inserting 3D Printing Turbulence Promoters. <i>Membranes</i> , 2021, 11, 266.	3.0	10
54	Algae biopolymer towards sustainable circular economy. <i>Bioresource Technology</i> , 2021, 325, 124702.	9.6	112

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55	Lignocellulosic Waste Pretreatment Solely via Biocatalysis as a Partial Simultaneous Lignino-Holocellulolysis Process. <i>Catalysts</i> , 2021, 11, 668.	3.5	4
56	Biocompatible chitin-encapsulated CdS quantum dots: Fabrication and antibacterial screening. <i>Carbohydrate Polymers</i> , 2021, 260, 117806.	10.2	9
57	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.	12.4	27
58	Oxidative Extractive Desulfurization System for Fuel Oil Using Acidic Eutectic-Based Ionic Liquid. <i>Processes</i> , 2021, 9, 1050.	2.8	4
59	Process Intensification in Bio-Ethanol Production—Recent Developments in Membrane Separation. <i>Processes</i> , 2021, 9, 1028.	2.8	12
60	Simulation and Optimisation of Integrated Anaerobic-Aerobic Bioreactor (IAAB) for the Treatment of Palm Oil Mill Effluent. <i>Processes</i> , 2021, 9, 1124.	2.8	17
61	Microbial Fuel Cell Technology—A Critical Review on Scale-Up Issues. <i>Processes</i> , 2021, 9, 985.	2.8	39
62	Process and Energy Intensification of Glycerol Carbonate Production from Glycerol and Dimethyl Carbonate in the Presence of Eggshell-Derived CaO Heterogeneous Catalyst. <i>Energies</i> , 2021, 14, 4249.	3.1	7
63	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.	8.2	49
64	Green bioprocessing of protein from <i>Chlorella vulgaris</i> microalgae towards circular bioeconomy. <i>Bioresource Technology</i> , 2021, 333, 125197.	9.6	11
65	Systematic Performance Comparison of Fe <sup>3+</sup> /FeO/Peroxymonosulfate and Fe <sup>3+</sup> /FeO/Peroxydisulfate Systems for Organics Removal. <i>Materials</i> , 2021, 14, 5284.	2.9	1
66	Conjugated Mass Transfer of CO <sub>2</sub> Absorption through Concentric Circular Gas—Liquid Membrane Contactors. <i>Processes</i> , 2021, 9, 1580.	2.8	2
67	Green adsorption—desorption of mixed triclosan, triclocarban, 2-phenylphenol, bisphenol A and 4-tert-octylphenol using MXene encapsulated polypropylene membrane protected micro-solid-phase extraction device in amplifying the HPLC analysis. <i>Microchemical Journal</i> , 2021, 170, 106695.	4.5	13
68	Advances in production of bioplastics by microalgae using food waste hydrolysate and wastewater: A review. <i>Bioresource Technology</i> , 2021, 342, 125947.	9.6	89
69	Converting solid biomass waste into nanomaterial for the treatment of hazardous waste. <i>Chemosphere</i> , 2021, 285, 131461.	8.2	1
70	Assuaging Microalgal Harvesting Woes via Attached Growth: A Critical Review to Produce Sustainable Microalgal Feedstock. <i>Sustainability</i> , 2021, 13, 11159.	3.2	15
71	Unravelling CO <sub>2</sub> capture performance of microalgae cultivation and other technologies via comparative carbon balance analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106519.	6.7	22
72	Synthesis of Ce/MgO Catalysts for Direct Oxidation of Hibiscus cannabinus Stalks to Vanillin. <i>Catalysts</i> , 2021, 11, 1449.	3.5	3

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73	Raman Spectroscopy of TiO <sub>2</sub> Nanoparticles Synthesized by Hydrolysis of TiCl <sub>4</sub> : Effect of Sulfate Ions Concentration. Springer Proceedings in Complexity, 2021, , 85-95.	0.3	1
74	Simulation and Optimization of Anaerobic Co-Digestion of Food Waste with Palm Oil Mill Effluent for Biogas Production. Sustainability, 2021, 13, 13665.	3.2	12
75	Distillate Flux Enhancement of Direct Contact Membrane Distillation Modules with Inserting Cross-Diagonal Carbon-Fiber Spacers. Membranes, 2021, 11, 973.	3.0	1
76	Sesquiterpenes rich essential oil from <i>Garcinia celebica</i> L. and its cytotoxic and antimicrobial activities. Natural Product Research, 2020, 34, 3404-3408.	1.8	15
77	Syngas from palm oil mill effluent (POME) steam reforming over lanthanum cobaltite: Effects of net-basicity. Renewable Energy, 2020, 148, 349-362.	8.9	23
78	Flocculation of <i>Chlorella vulgaris</i> by shell waste-derived bioflocculants for biodiesel production: Process optimization, characterization and kinetic studies. Science of the Total Environment, 2020, 702, 134995.	8.0	58
79	Enhancing microalga <i>Chlorella sorokiniana</i> CY-1 biomass and lipid production in palm oil mill effluent (POME) using novel-designed photobioreactor. Bioengineered, 2020, 11, 61-69.	3.2	61
80	A review on microalgae cultivation and harvesting, and their biomass extraction processing using ionic liquids. Bioengineered, 2020, 11, 116-129.	3.2	229
81	Enzymatic pretreatment to enhance anaerobic bioconversion of high strength wastewater to biogas: A review. Science of the Total Environment, 2020, 713, 136373.	8.0	61
82	A review of organic waste enrichment for inducing palatability of black soldier fly larvae: Wastes to valuable resources. Environmental Pollution, 2020, 267, 115488.	7.5	79
83	Insight review of attached microalgae growth focusing on support material packed in photobioreactor for sustainable biodiesel production and wastewater bioremediation. Renewable and Sustainable Energy Reviews, 2020, 134, 110306.	16.4	64
84	Chemical Composition of Essential Oil of <i>Garcinia gummi-gutta</i> and Its Antimicrobial and Cytotoxic Activities. Journal of Essential Oil-bearing Plants: JEOP, 2020, 23, 832-842.	1.9	9
85	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. Membranes, 2020, 10, 332.	3.0	45
86	Comparative Performances of Microalgal-Bacterial Co-Cultivation to Bioremediate Synthetic and Municipal Wastewaters Whilst Producing Biodiesel Sustainably. Processes, 2020, 8, 1427.	2.8	42
87	Liquid Polymer Eutectic Mixture for Integrated Extractive-Oxidative Desulfurization of Fuel Oil: An Optimization Study via Response Surface Methodology. Processes, 2020, 8, 848.	2.8	17
88	Augmenting CO <sub>2</sub> Absorption Flux through a Gas-Liquid Membrane Module by Inserting Carbon-Fiber Spacers. Membranes, 2020, 10, 302.	3.0	3
89	A Review on Insights for Green Production of Unconventional Protein and Energy Sources Derived from the Larval Biomass of Black Soldier Fly. Processes, 2020, 8, 523.	2.8	13
90	Green Pathway in Utilizing CO <sub>2</sub> via Cycloaddition Reaction with Epoxide—A Mini Review. Processes, 2020, 8, 548.	2.8	68

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91	Insight on Extraction and Characterisation of Biopolymers as the Green Coagulants for Microalgae Harvesting. <i>Water (Switzerland)</i> , 2020, 12, 1388.	2.7	35
92	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.	5.6	59
93	Advanced in developmental organic and inorganic nanomaterial: a review. <i>Bioengineered</i> , 2020, 11, 328-355.	3.2	136
94	Organic Carbonate Production Utilizing Crude Glycerol Derived as By-Product of Biodiesel Production: A Review. <i>Energies</i> , 2020, 13, 1483.	3.1	52
95	Enhancing the performance of porous rice husk silica through branched polyethyleneimine grafting for phosphate adsorption. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6682-6695.	4.9	37
96	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 CO<sub>2</sub> Utilization</i> , 2020, 41, 101226.	6.8	44
97	Liquid Biphasic System: A Recent Bioseparation Technology. <i>Processes</i> , 2020, 8, 149.	2.8	52
98	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.	3.2	31
99	In situ nitrogen functionalization of biochar via one-pot synthesis for catalytic peroxydisulfate activation: Characteristics and performance studies. <i>Separation and Purification Technology</i> , 2020, 241, 116702.	7.9	81
100	Anaerobic Co-Digestion of Wastewater Sludge: A Review of Potential Co-Substrates and Operating Factors for Improved Methane Yield. <i>Processes</i> , 2020, 8, 39.	2.8	105
101	Biorefinery of <i>Chlorella sorokiniana</i> using ultra sonication assisted liquid triphasic flotation system. <i>Bioresource Technology</i> , 2020, 303, 122931.	9.6	20
102	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.	5.3	8
103	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.	7.5	50
104	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.	6.4	47
105	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.	2.8	12
106	Simultaneous Enhancement of Photocatalytic Bactericidal Activity and Strength Properties of Acrylonitrile-Butadiene-Styrene Plastic Via a Facile Preparation with Silane/TiO <sub>2</sub> . <i>Polymers</i> , 2020, 12, 917.	4.5	6
107	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.	2.7	20
108	Optimized Use of Ferric Chloride and Sesbania Seed Gum (SSG) as Sustainable Coagulant Aid for Turbidity Reduction in Drinking Water Treatment. <i>Sustainability</i> , 2020, 12, 2273.	3.2	26

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109	ADSORPTION OF MALACHITE GREEN DYE USING SPENT COFFEE GROUND BIOCHAR: OPTIMISATION USING RESPONSE SURFACE METHODOLOGY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2020, 83, 27-36.	0.4	9
110	Robust Design of PC/ABS Filled with Nano Carbon Black for Electromagnetic Shielding Effectiveness and Surface Resistivity. <i>Processes</i> , 2020, 8, 616.	2.8	8
111	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.	0.6	7
112	Investigation of the Relationship between Bacteria Growth and Lipid Production Cultivating of Microalgae <i>Chlorella Vulgaris</i> in Seafood Wastewater. <i>Energies</i> , 2019, 12, 2282.	3.1	59
113	Performance of branched polyethyleneimine grafted porous rice husk silica in treating nitrate-rich wastewater via adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103235.	6.7	42
114	<i>Spirulina platensis</i> based biorefinery for the production of value-added products for food and pharmaceutical applications. <i>Bioresource Technology</i> , 2019, 289, 121727.	9.6	38
115	Volatile Constituents of the Leaf Essential Oil of <i>Crinum asiaticum</i> and their Antimicrobial and Cytotoxic Activities. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2019, 22, 947-954.	1.9	10
116	Liquid Biphasic Systems for Oil-Rich Algae Bioproducts Processing. <i>Sustainability</i> , 2019, 11, 4682.	3.2	13
117	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.	7.8	82
118	A Sugarcane-Bagasse-Based Adsorbent Employed for Mitigating Eutrophication Threats and Producing Biodiesel Simultaneously. <i>Processes</i> , 2019, 7, 572.	2.8	11
119	Cultivation of Oily Microalgae for the Production of Third-Generation Biofuels. <i>Sustainability</i> , 2019, 11, 5424.	3.2	61
120	Impact of limited feed medium and different lipid extraction solvents in dealing with black soldier fly larvae. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
121	Facile synthesis of CaFe <sub>2</sub> O <sub>4</sub> for visible light driven treatment of polluting palm oil mill effluent: Photokinetic and scavenging study. <i>Science of the Total Environment</i> , 2019, 661, 522-530.	8.0	33
122	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.	8.0	162
123	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.	3.1	64
124	Catalytically active nitrogen-doped porous carbon derived from biowastes for organics removal via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2019, 374, 947-957.	12.7	82
125	Treatment technologies of palm oil mill effluent (POME) and olive mill wastewater (OMW): A brief review. <i>Environmental Technology and Innovation</i> , 2019, 15, 100377.	6.1	114
126	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.	9.2	21



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127	Simultaneous separation and degradation of surfactants laden in produced water using PVDF/TiO <sub>2</sub> photocatalytic membrane. <i>Journal of Cleaner Production</i> , 2019, 221, 490-501.	9.3	52
128	Syngas from catalytic steam reforming of palm oil mill effluent: An optimization study. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9220-9236.	7.1	37
129	Removal of malachite green by sugarcane bagasse biochar using response surface methodology. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	6
130	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.	9.2	58
131	Thermophysical Properties and CO <sub>2</sub> Absorption of Ammonium-Based Protic Ionic Liquids Containing Acetate and Butyrate Anions. <i>Processes</i> , 2019, 7, 820.	2.8	15
132	Physical and Thermal Studies of Carbon-Enriched Silicon Oxycarbide Synthesized from Floating Plants. <i>Processes</i> , 2019, 7, 794.	2.8	1
133	Characterization and Modelling Studies of Activated Carbon Produced from Rubber-Seed Shell Using KOH for CO <sub>2</sub> Adsorption. <i>Processes</i> , 2019, 7, 855.	2.8	56
134	Development of high microwave-absorptive bifunctional graphene oxide-based catalyst for biodiesel production. <i>Energy Conversion and Management</i> , 2019, 180, 1013-1025.	9.2	78
135	Insights into the single and binary adsorption of copper(II) and nickel(II) on hexagonal boron nitride: Performance and mechanistic studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102872.	6.7	24
136	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.	7.8	56
137	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.	5.3	62
138	Insights into the thermolytic transformation of lignocellulosic biomass waste to redox-active carbocatalyst: Durability of surface active sites. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 120-129.	20.2	169
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