

# Pau-Loke Show

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2832369/publications.pdf>

Version: 2024-02-01

599  
papers

30,622  
citations

5896

81  
h-index

11308

136  
g-index

616  
all docs

616  
docs citations

616  
times ranked

19436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae biorefinery: High value products perspectives. <i>Bioresource Technology</i> , 2017, 229, 53-62.	9.6	947
2	A review on conventional and novel materials towards heavy metal adsorption in wastewater treatment application. <i>Journal of Cleaner Production</i> , 2021, 296, 126589.	9.3	628
3	Microalgae: A potential alternative to health supplementation for humans. <i>Food Science and Human Wellness</i> , 2019, 8, 16-24.	4.9	538
4	Progress in biomass torrefaction: Principles, applications and challenges. <i>Progress in Energy and Combustion Science</i> , 2021, 82, 100887.	31.2	429
5	Biosequestration of atmospheric CO <sub>2</sub> and flue gas-containing CO <sub>2</sub> by microalgae. <i>Bioresource Technology</i> , 2015, 184, 190-201.	9.6	417
6	Conventional and emerging technologies for removal of antibiotics from wastewater. <i>Journal of Hazardous Materials</i> , 2020, 400, 122961.	12.4	358
7	A review on effective removal of emerging contaminants from aquatic systems: Current trends and scope for further research. <i>Journal of Hazardous Materials</i> , 2021, 409, 124413.	12.4	309
8	Recent developments in physical, biological, chemical, and hybrid treatment techniques for removing emerging contaminants from wastewater. <i>Journal of Hazardous Materials</i> , 2021, 416, 125912.	12.4	300
9	Waste to bioenergy: a review on the recent conversion technologies. <i>BMC Energy</i> , 2019, 1, .	6.3	285
10	Recent developments on algal biochar production and characterization. <i>Bioresource Technology</i> , 2017, 246, 2-11.	9.6	281
11	Green synthesis of zinc oxide nanoparticles using <i>Phoenix dactylifera</i> waste as bioreductant for effective dye degradation and antibacterial performance in wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 402, 123560.	12.4	276
12	Mango leaf extract incorporated chitosan antioxidant film for active food packaging. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1234-1243.	7.5	264
13	A critical review on biochar for enhancing biogas production from anaerobic digestion of food waste and sludge. <i>Journal of Cleaner Production</i> , 2021, 305, 127143.	9.3	252
14	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. <i>Chemosphere</i> , 2022, 287, 132369.	8.2	246
15	Sustainable approaches for algae utilisation in bioenergy production. <i>Renewable Energy</i> , 2018, 129, 838-852.	8.9	241
16	A state-of-the-art review on thermochemical conversion of biomass for biofuel production: A TG-FTIR approach. <i>Energy Conversion and Management</i> , 2020, 209, 112634.	9.2	238
17	New Prospects for Modified Algae in Heavy Metal Adsorption. <i>Trends in Biotechnology</i> , 2019, 37, 1255-1268.	9.3	235
18	Enhancement of Food Processes by Ultrasound: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 570-594.	10.3	234

#	ARTICLE	IF	CITATIONS
19	Multifaceted roles of microalgae in the application of wastewater biotreatment: A review. <i>Environmental Pollution</i> , 2021, 269, 116236.	7.5	231
20	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection. <i>Food and Chemical Toxicology</i> , 2022, 164, 112961.	3.6	231
21	A review on microalgae cultivation and harvesting, and their biomass extraction processing using ionic liquids. <i>Bioengineered</i> , 2020, 11, 116-129.	3.2	229
22	Sustainability of the four generations of biofuels – A review. <i>International Journal of Energy Research</i> , 2020, 44, 9266-9282.	4.5	225
23	Potential utilization of bioproducts from microalgae for the quality enhancement of natural products. <i>Bioresource Technology</i> , 2020, 304, 122997.	9.6	224
24	Technologies for Biogas Upgrading to Biomethane: A Review. <i>Bioengineering</i> , 2019, 6, 92.	3.5	218
25	Recent advances in downstream processing of microalgae lipid recovery for biofuel production. <i>Bioresource Technology</i> , 2020, 304, 122996.	9.6	217
26	Torrefaction, pyrolysis and two-stage thermodegradation of hemicellulose, cellulose and lignin. <i>Fuel</i> , 2019, 258, 116168.	6.4	201
27	Recent advances in biorefinery of astaxanthin from <i>Haematococcus pluvialis</i> . <i>Bioresource Technology</i> , 2019, 288, 121606.	9.6	200
28	Recent advances in the pretreatment of microalgal and lignocellulosic biomass: A comprehensive review. <i>Bioresource Technology</i> , 2020, 298, 122476.	9.6	195
29	Biologically-mediated carbon capture and utilization by microalgae towards sustainable CO <sub>2</sub> biofixation and biomass valorization – A review. <i>Chemical Engineering Journal</i> , 2022, 427, 130884.	12.7	192
30	The COVID-19 pandemic face mask waste: A blooming threat to the marine environment. <i>Chemosphere</i> , 2021, 272, 129601.	8.2	187
31	Recent advances biodegradation and biosorption of organic compounds from wastewater: Microalgae-bacteria consortium - A review. <i>Bioresource Technology</i> , 2022, 344, 126159.	9.6	185
32	Overview of citric acid production from <i>Aspergillus niger</i> . <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2015, 8, 271-283.	1.1	182
33	Pretreatment methods for lignocellulosic biofuels production: current advances, challenges and future prospects. <i>Biofuel Research Journal</i> , 2020, 7, 1115-1127.	13.3	181
34	Waste biorefinery towards a sustainable circular bioeconomy: a solution to global issues. <i>Biotechnology for Biofuels</i> , 2021, 14, 87.	6.2	176
35	Congo red dye removal from aqueous environment by cationic surfactant modified-biomass derived carbon: Equilibrium, kinetic, and thermodynamic modeling, and forecasting via artificial neural network approach. <i>Chemosphere</i> , 2022, 290, 133346.	8.2	175
36	Effects of water culture medium, cultivation systems and growth modes for microalgae cultivation: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 332-344.	5.3	174

#	ARTICLE	IF	CITATIONS
37	Nanochemistry approach for the fabrication of Fe and N co-decorated biomass-derived activated carbon frameworks: a promising oxygen reduction reaction electrocatalyst in neutral media. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 429-439.	9.1	171
38	Ultrasound-assisted extraction of phenolics from wine lees: Modeling, optimization and stability of extracts during storage. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 706-715.	8.2	170
39	Adsorptive removal of cationic methylene blue and anionic Congo red dyes using wet-torrefied microalgal biochar: Equilibrium, kinetic and mechanism modeling. <i>Environmental Pollution</i> , 2021, 272, 115986.	7.5	165
40	Biorefineries of carbon dioxide: From carbon capture and storage (CCS) to bioenergies production. <i>Bioresource Technology</i> , 2016, 215, 346-356.	9.6	162
41	Biological remediation of acid mine drainage: Review of past trends and current outlook. <i>Environmental Science and Ecotechnology</i> , 2020, 2, 100024.	13.5	162
42	Kinetic modeling of ultrasound-assisted extraction of phenolic compounds from grape marc: Influence of acoustic energy density and temperature. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1461-1469.	8.2	156
43	Cultivation in wastewaters for energy: A microalgae platform. <i>Applied Energy</i> , 2016, 179, 609-625.	10.1	156
44	Greenhouse gases utilization: A review. <i>Fuel</i> , 2021, 301, 121017.	6.4	153
45	Microalgae from wastewater treatment to biochar – Feedstock preparation and conversion technologies. <i>Energy Conversion and Management</i> , 2017, 150, 1-13.	9.2	144
46	Bromelain: an overview of industrial application and purification strategies. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7283-7297.	3.6	141
47	Antibiotics: An overview on the environmental occurrence, toxicity, degradation, and removal methods. <i>Bioengineered</i> , 2021, 12, 7376-7416.	3.2	141
48	Overview: Comparison of pretreatment technologies and fermentation processes of bioethanol from microalgae. <i>Energy Conversion and Management</i> , 2018, 173, 81-94.	9.2	134
49	Biopolymers and composites: Properties, characterization and their applications in food, medical and pharmaceutical industries. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105322.	6.7	134
50	Transformation of Biomass Waste into Sustainable Organic Fertilizers. <i>Sustainability</i> , 2019, 11, 2266.	3.2	129
51	Torrefaction of microalgal biochar as potential coal fuel and application as bio-adsorbent. <i>Energy Conversion and Management</i> , 2018, 165, 152-162.	9.2	125
52	Antibacterial activity of quaternized chitosan modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 569-577.	7.5	125
53	An update on physical health and economic consequences of overweight and obesity. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2018, 12, 1095-1100.	3.6	124
54	Bioflocculation formation of microalgae-bacteria in enhancing microalgae harvesting and nutrient removal from wastewater effluent. <i>Bioresource Technology</i> , 2019, 272, 34-39.	9.6	124

#	ARTICLE	IF	CITATIONS
55	Current trends in polyhydroxyalkanoates (PHAs) biosynthesis: Insights from the recombinant <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2014, 180, 52-65.	3.8	121
56	Genetic engineering of microalgae for enhanced biorefinery capabilities. <i>Biotechnology Advances</i> , 2020, 43, 107554.	11.7	117
57	Preparation and characterization of curdlan/polyvinyl alcohol/ thyme essential oil blending film and its application to chilled meat preservation. <i>Carbohydrate Polymers</i> , 2020, 247, 116670.	10.2	115
58	Fermentation of blueberry and blackberry juices using <i>Lactobacillus plantarum</i> , <i>Streptococcus thermophilus</i> and <i>Bifidobacterium bifidum</i> : Growth of probiotics, metabolism of phenolics, antioxidant capacity in vitro and sensory evaluation. <i>Food Chemistry</i> , 2021, 348, 129083.	8.2	115
59	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. <i>Bioengineered</i> , 2019, 10, 574-592.	3.2	114
60	A Holistic Approach to Managing Microalgae for Biofuel Applications. <i>International Journal of Molecular Sciences</i> , 2017, 18, 215.	4.1	113
61	Algae biopolymer towards sustainable circular economy. <i>Bioresource Technology</i> , 2021, 325, 124702.	9.6	112
62	Natural red pigments from plants and their health benefits: A review. <i>Food Reviews International</i> , 2018, 34, 463-482.	8.4	108
63	Role of biochar surface characteristics in the adsorption of aromatic compounds: Pore structure and functional groups. <i>Chinese Chemical Letters</i> , 2021, 32, 2939-2946.	9.0	107
64	Continuous cultivation of microalgae in photobioreactors as a source of renewable energy: Current status and future challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111852.	16.4	107
65	Enhanced microalgal protein extraction and purification using sustainable microwave-assisted multiphase partitioning technique. <i>Chemical Engineering Journal</i> , 2019, 367, 1-8.	12.7	105
66	Progress in waste valorization using advanced pyrolysis techniques for hydrogen and gaseous fuel production. <i>Bioresource Technology</i> , 2021, 320, 124299.	9.6	104
67	Progress and perspective on algal plastics – A critical review. <i>Bioresource Technology</i> , 2019, 289, 121700.	9.6	102
68	Date pits activated carbon for divalent lead ions removal. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 88-97.	2.2	101
69	An update on obesity: Mental consequences and psychological interventions. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 155-160.	3.6	100
70	Micro (nano) plastic pollution: The ecological influence on soil-plant system and human health. <i>Science of the Total Environment</i> , 2021, 788, 147815.	8.0	99
71	Biosorption performance of date palm empty fruit bunch wastes for toxic hexavalent chromium removal. <i>Environmental Research</i> , 2020, 187, 109694.	7.5	98
72	Nanomaterials Utilization in Biomass for Biofuel and Bioenergy Production. <i>Energies</i> , 2020, 13, 892.	3.1	97

#	ARTICLE	IF	CITATIONS
73	Supercritical carbon dioxide extraction of plant phytochemicals for biological and environmental applications – A review. <i>Chemosphere</i> , 2021, 271, 129525.	8.2	93
74	Novel approaches of producing bioenergies from microalgae: A recent review. <i>Biotechnology Advances</i> , 2015, 33, 1219-1227.	11.7	92
75	A review of synthesis and morphology of $\text{SrTiO}_3$ for energy and other applications. <i>International Journal of Energy Research</i> , 2019, 43, 5151-5174.	4.5	91
76	Utilization of a double-cross-linked amino-functionalized three-dimensional graphene networks as a monolithic adsorbent for methyl orange removal: Equilibrium, kinetics, thermodynamics and artificial neural network modeling. <i>Environmental Research</i> , 2022, 207, 112156.	7.5	90
77	Food waste compost as an organic nutrient source for the cultivation of <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2018, 267, 356-362.	9.6	89
78	Recent developments of strontium titanate for photocatalytic water splitting application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14316-14340.	7.1	89
79	Green technology for the industrial production of biofuels and bioproducts from microalgae: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1967-1985.	16.2	89
80	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
81	Algae-mediated antibiotic wastewater treatment: A critical review. <i>Environmental Science and Ecotechnology</i> , 2022, 9, 100145.	13.5	89
82	Analysis of Economic and Environmental Aspects of Microalgae Biorefinery for Biofuels Production: A Review. <i>Biotechnology Journal</i> , 2018, 13, 1700618.	3.5	87
83	Mild cell disruption methods for bio-functional proteins recovery from microalgae – Recent developments and future perspectives. <i>Algal Research</i> , 2018, 31, 506-516.	4.6	87
84	Metal/metal oxide nanocomposites for bactericidal effect: A review. <i>Chemosphere</i> , 2021, 272, 128607.	8.2	87
85	Microalgae for biofuels, wastewater treatment and environmental monitoring. <i>Environmental Chemistry Letters</i> , 2021, 19, 2891-2904.	16.2	87
86	Microalgae and ammonia: A review on inter-relationship. <i>Fuel</i> , 2021, 303, 121303.	6.4	86
87	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. <i>Environmental Research</i> , 2022, 204, 111966.	7.5	86
88	Current applications of different type of aqueous two-phase systems. <i>Bioresources and Bioprocessing</i> , 2015, 2, .	4.2	85
89	Recovery of biotechnological products using aqueous two phase systems. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 273-281.	2.2	83
90	Effects of acids pre-treatment on the microbial fermentation process for bioethanol production from microalgae. <i>Biotechnology for Biofuels</i> , 2019, 12, 191.	6.2	83

#	ARTICLE	IF	CITATIONS
91	Integrated ultrasound-assisted liquid biphasic flotation for efficient extraction of astaxanthin from <i>Haematococcus pluvialis</i> . <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105052.	8.2	83
92	Prospects and development of algal-bacterial biotechnology in environmental management and protection. <i>Biotechnology Advances</i> , 2021, 47, 107684.	11.7	83
93	Microalgae Cultivation in Palm Oil Mill Effluent (POME) Treatment and Biofuel Production. <i>Sustainability</i> , 2021, 13, 3247.	3.2	83
94	Combining various wall materials for encapsulation of blueberry anthocyanin extracts: Optimization by artificial neural network and genetic algorithm and a comprehensive analysis of anthocyanin powder properties. <i>Powder Technology</i> , 2017, 311, 77-87.	4.2	82
95	Enhancing biomass and lipid productions of microalgae in palm oil mill effluent using carbon and nutrient supplementation. <i>Energy Conversion and Management</i> , 2018, 164, 188-197.	9.2	82
96	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
97	Pollutants inducing epigenetic changes and diseases. <i>Environmental Chemistry Letters</i> , 2020, 18, 325-343.	16.2	81
98	Simultaneous removal of toxic ammonia and lettuce cultivation in aquaponic system using microwave pyrolysis biochar. <i>Journal of Hazardous Materials</i> , 2020, 396, 122610.	12.4	81
99	Effects of high hydrostatic pressure processing on the physicochemical and sensorial properties of a red wine. <i>Innovative Food Science and Emerging Technologies</i> , 2012, 16, 409-416.	5.6	79
100	Source, distribution and emerging threat of micro- and nanoplastics to marine organism and human health: Socio-economic impact and management strategies. <i>Environmental Research</i> , 2021, 195, 110857.	7.5	79
101	Comparison between airborne ultrasound and contact ultrasound to intensify air drying of blackberry: Heat and mass transfer simulation, energy consumption and quality evaluation. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105410.	8.2	79
102	Recovery of lipase derived from <i>Burkholderia cenocepacia</i> ST8 using sustainable aqueous two-phase flotation composed of recycling hydrophilic organic solvent and inorganic salt. <i>Separation and Purification Technology</i> , 2013, 110, 112-118.	7.9	77
103	Effective treatment of dye polluted wastewater using nanoporous CaCl <sub>2</sub> modified polyethersulfone membrane. <i>Chemical Engineering Research and Design</i> , 2019, 124, 266-278.	5.6	77
104	Biodiesel production using immobilized lipase: feasibility and challenges. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 896-916.	3.7	76
105	Recent Advances in Protein Extraction Using Ionic Liquid-based Aqueous Two-phase Systems. <i>Separation and Purification Reviews</i> , 2017, 46, 291-304.	5.5	76
106	The effect of stress environment towards lipid accumulation in microalgae after harvesting. <i>Renewable Energy</i> , 2020, 154, 1083-1091.	8.9	76
107	Extractive fermentation for improved production and recovery of lipase derived from <i>Burkholderia cepacia</i> using a thermoseparating polymer in aqueous two-phase systems. <i>Bioresource Technology</i> , 2012, 116, 226-233.	9.6	75
108	Sustainable utilization of biowaste compost for renewable energy and soil amendments. <i>Environmental Pollution</i> , 2020, 267, 115662.	7.5	75

#	ARTICLE	IF	CITATIONS
109	A review on valorization of oyster mushroom and waste generated in the mushroom cultivation industry. <i>Journal of Hazardous Materials</i> , 2020, 400, 123156.	12.4	75
110	Cellulose acetate-based membranes by interfacial engineering and integration of ZIF-62 glass nanoparticles for CO <sub>2</sub> separation. <i>Journal of Hazardous Materials</i> , 2021, 415, 125639.	12.4	75
111	Contacting ultrasound enhanced hot-air convective drying of garlic slices: Mass transfer modeling and quality evaluation. <i>Journal of Food Engineering</i> , 2018, 235, 79-88.	5.2	74
112	Sustainable Waste-to-Energy Development in Malaysia: Appraisal of Environmental, Financial, and Public Issues Related with Energy Recovery from Municipal Solid Waste. <i>Processes</i> , 2019, 7, 676.	2.8	74
113	Augmented biohydrogen production from rice mill wastewater through nano-metal oxides assisted dark fermentation. <i>Bioresource Technology</i> , 2021, 319, 124243.	9.6	74
114	Modified mesoporous HMS supported Ni for deoxygenation of triolein into hydrocarbon-biofuel production. <i>Energy Conversion and Management</i> , 2018, 165, 495-508.	9.2	73
115	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal. <i>Energy Conversion and Management</i> , 2018, 174, 430-438.	9.2	73
116	Applications of water blanching, surface contacting ultrasound-assisted air drying, and their combination for dehydration of white cabbage: Drying mechanism, bioactive profile, color and rehydration property. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 192-201.	8.2	73
117	Microalgal-Bacterial Consortia as Future Prospect in Wastewater Bioremediation, <i>Environmental Management and Bioenergy Production</i> . <i>Indian Journal of Microbiology</i> , 2021, 61, 262-269.	2.7	73
118	Direct recovery of lipase derived from <i>Burkholderia cepacia</i> in recycling aqueous two-phase flotation. <i>Separation and Purification Technology</i> , 2011, 80, 577-584.	7.9	72
119	Development of polyhydroxyalkanoates production from waste feedstocks and applications. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 282-292.	2.2	71
120	In vitro gastrointestinal digestion and fecal fermentation reveal the effect of different encapsulation materials on the release, degradation and modulation of gut microbiota of blueberry anthocyanin extract. <i>Food Research International</i> , 2020, 132, 109098.	6.2	71
121	Effects of anaerobic digestion of food waste on biogas production and environmental impacts: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2921-2939.	16.2	71
122	Synthesis of biodiesel from non-edible ( <i>Brachychiton populneus</i> ) oil in the presence of nickel oxide nanocatalyst: Parametric and optimisation studies. <i>Chemosphere</i> , 2021, 278, 130469.	8.2	71
123	Optimizing real swine wastewater treatment efficiency and carbohydrate productivity of newly microalga <i>Chlamydomonas</i> sp. QWY37 used for cell-displayed bioethanol production. <i>Bioresource Technology</i> , 2020, 305, 123072.	9.6	70
124	CO <sub>2</sub> mitigation and phycoremediation of industrial flue gas and wastewater via microalgae-bacteria consortium: Possibilities and challenges. <i>Chemical Engineering Journal</i> , 2021, 425, 131436.	12.7	70
125	Biochar production from microalgae cultivation through pyrolysis as a sustainable carbon sequestration and biorefinery approach. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2047-2055.	4.1	69
126	Recent advances in algae biodiesel production: From upstream cultivation to downstream processing. <i>Bioresource Technology Reports</i> , 2019, 7, 100227.	2.7	69



#	ARTICLE	IF	CITATIONS
127	Experimental and modeling studies of ultrasound-assisted release of phenolics from oak chips into model wine. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1839-1848.	8.2	68
128	Power ultrasound as a pretreatment to convective drying of mulberry ( <i>Morus alba</i> L.) leaves: Impact on drying kinetics and selected quality properties. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 310-318.	8.2	68
129	Economic and environmental analysis of PHAs production process. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1941-1953.	4.1	68
130	Green Pathway in Utilizing CO <sub>2</sub> via Cycloaddition Reaction with Epoxide—A Mini Review. <i>Processes</i> , 2020, 8, 548.	2.8	68
131	Biohydrogen from organic wastes as a clean and environment-friendly energy source: Production pathways, feedstock types, and future prospects. <i>Bioresource Technology</i> , 2021, 342, 126021.	9.6	68
132	Kinetics study on hydrolytic dehydrogenation of alkaline sodium borohydride catalyzed by Mo-modified Co—B nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7308-7317.	7.1	67
133	Optimization of Hydrolysis-Acidogenesis Phase of Swine Manure for Biogas Production Using Two-Stage Anaerobic Fermentation. <i>Processes</i> , 2021, 9, 1324.	2.8	66
134	Prospects and environmental sustainability of phyconanotechnology: A review on algae-mediated metal nanoparticles synthesis and mechanism. <i>Environmental Research</i> , 2022, 212, 113140.	7.5	66
135	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.	9.6	65
136	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
137	Extraction of natural astaxanthin from <i>Haematococcus pluvialis</i> using liquid biphasic flotation system. <i>Bioresource Technology</i> , 2019, 290, 121794.	9.6	64
138	Bioformulation of biochar as a potential inoculant carrier for sustainable agriculture. <i>Environmental Technology and Innovation</i> , 2020, 20, 101168.	6.1	64
139	Prospects of Bioenergy Production From Organic Waste Using Anaerobic Digestion Technology: A Mini Review. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	64
140	Resource recovery from industrial effluents through the cultivation of microalgae: A review. <i>Bioresource Technology</i> , 2021, 337, 125461.	9.6	64
141	Liquid biphasic flotation for the purification of C-phycoyanin from <i>Spirulina platensis</i> microalga. <i>Bioresource Technology</i> , 2019, 288, 121519.	9.6	63
142	Feasibility assessment of removal of heavy metals and soluble microbial products from aqueous solutions using eggshell wastes. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 773-786.	4.1	63
143	A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16734-16750.	7.1	63
144	Biochar production via pyrolysis of citrus peel fruit waste as a potential usage as solid biofuel. <i>Chemosphere</i> , 2022, 294, 133671.	8.2	63

#	ARTICLE	IF	CITATIONS
145	Integration of 3D Printing and Industry 4.0 into Engineering Teaching. Sustainability, 2018, 10, 3960.	3.2	62
146	Novel, energy efficient and green cloud point extraction: technology and applications in food processing. Journal of Food Science and Technology, 2019, 56, 524-534.	2.8	62
147	Sorption of ionized dyes on high-salinity microalgal residue derived biochar: Electron acceptor-donor and metal-organic bridging mechanisms. Journal of Hazardous Materials, 2020, 393, 122435.	12.4	62
148	A preliminary study about the influence of high hydrostatic pressure processing in parallel with oak chip maceration on the physicochemical and sensory properties of a young red wine. Food Chemistry, 2016, 194, 545-554.	8.2	61
149	Single-step disruption and protein recovery from <i>Chlorella vulgaris</i> using ultrasonication and ionic liquid buffer aqueous solutions as extractive solvents. Biochemical Engineering Journal, 2017, 124, 26-35.	3.6	61
150	Improving cell disruption efficiency to facilitate protein release from microalgae using chemical and mechanical integrated method. Biochemical Engineering Journal, 2018, 135, 83-90.	3.6	61
151	Cultivation of Oily Microalgae for the Production of Third-Generation Biofuels. Sustainability, 2019, 11, 5424.	3.2	61
152	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
153	Techniques of lipid extraction from microalgae for biofuel production: a review. Environmental Chemistry Letters, 2021, 19, 231-251.	16.2	61
154	Advancement of green technologies: A comprehensive review on the potential application of microalgae biomass. Chemosphere, 2021, 281, 130886.	8.2	61
155	Recent Progress in Nanomaterials Modified Electrochemical Biosensors for the Detection of MicroRNA. Micromachines, 2021, 12, 1409.	2.9	61
156	Ferric oxide/date seed activated carbon nanocomposites mediated dark fermentation of date fruit wastes for enriched biohydrogen production. International Journal of Hydrogen Energy, 2021, 46, 16631-16643.	7.1	60
157	Investigation of the Relationship between Bacteria Growth and Lipid Production Cultivating of Microalgae <i>Chlorella Vulgaris</i> in Seafood Wastewater. Energies, 2019, 12, 2282.	3.1	59
158	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. Chemical Engineering Research and Design, 2020, 141, 355-365.	5.6	59
159	Production of microalgal biochar and reducing sugar using wet torrefaction with microwave-assisted heating and acid hydrolysis pretreatment. Renewable Energy, 2020, 156, 349-360.	8.9	59
160	Proteins recovery from wet microalgae using liquid biphasic flotation (LBF). Bioresource Technology, 2017, 244, 1329-1336.	9.6	58
161	Surface grafting techniques on the improvement of membrane bioreactor: State-of-the-art advances. Bioresource Technology, 2018, 269, 489-502.	9.6	58
162	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

#	ARTICLE	IF	CITATIONS
163	Incorporating biowaste into circular bioeconomy: A critical review of current trend and scaling up feasibility. <i>Environmental Technology and Innovation</i> , 2020, 19, 101034.	6.1	58
164	Fabrication of novel polyethersulfone (PES) hybrid ultrafiltration membranes with superior permeability and antifouling properties using environmentally friendly sulfonated functionalized polydopamine nanofillers. <i>Separation and Purification Technology</i> , 2021, 261, 118311.	7.9	58
165	Torrefaction performance prediction approached by torrefaction severity factor. <i>Fuel</i> , 2019, 251, 126-135.	6.4	57
166	Insight into mass transfer during ultrasound-enhanced adsorption/desorption of blueberry anthocyanins on macroporous resins by numerical simulation considering ultrasonic influence on resin properties. <i>Chemical Engineering Journal</i> , 2020, 380, 122530.	12.7	57
167	Production and optimization of high grade cellulase from waste date seeds by <i>Cellulomonas uda</i> NCIM 2353 for biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22260-22270.	7.1	57
168	Natural hydroxyapatite from fishbone waste for the rapid adsorption of heavy metals of aqueous effluent. <i>Environmental Technology and Innovation</i> , 2020, 20, 101109.	6.1	57
169	Ultrasound assisted adsorption and desorption of blueberry anthocyanins using macroporous resins. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 311-320.	8.2	56
170	Extraction of proteins from microalgae using integrated method of sugaring-out assisted liquid biphasic flotation (LBF) and ultrasound. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 231-239.	8.2	56
171	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
172	Enhanced biohydrogen production from date seeds by <i>Clostridium thermocellum</i> ATCC 27405. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22271-22280.	7.1	56
173	Application of liquid biphasic flotation for betacyanins extraction from peel and flesh of <i>Hylocereus polyrhizus</i> and antioxidant activity evaluation. <i>Separation and Purification Technology</i> , 2018, 201, 156-166.	7.9	55
174	Isolation of C-phycoerythrin from <i>Spirulina platensis</i> microalga using ionic liquid based aqueous two-phase system. <i>Bioresource Technology</i> , 2018, 270, 320-327.	9.6	55
175	Microalgae with artificial intelligence: A digitalized perspective on genetics, systems and products. <i>Biotechnology Advances</i> , 2020, 44, 107631.	11.7	55
176	Bioethanol production from acid pretreated microalgal hydrolysate using microwave-assisted heating wet torrefaction. <i>Fuel</i> , 2020, 279, 118435.	6.4	55
177	Perspective of <i>Spirulina</i> culture with wastewater into a sustainable circular bioeconomy. <i>Environmental Pollution</i> , 2021, 284, 117492.	7.5	55
178	Bridge between mass transfer behavior and properties of bubbles under two-stage ultrasound-assisted physisorption of polyphenols using macroporous resin. <i>Chemical Engineering Journal</i> , 2022, 436, 135158.	12.7	55
179	Biosorption potential of <i>Phoenix dactylifera</i> coir wastes for toxic hexavalent chromium sequestration. <i>Chemosphere</i> , 2021, 268, 128809.	8.2	54
180	Fermentation of blueberry juices using autochthonous lactic acid bacteria isolated from fruit environment: Fermentation characteristics and evolution of phenolic profiles. <i>Chemosphere</i> , 2021, 276, 130090.	8.2	54

#	ARTICLE	IF	CITATIONS
181	Recent advances on food waste pretreatment technology via microalgae for source of polyhydroxyalkanoates. <i>Journal of Environmental Management</i> , 2021, 293, 112782.	7.8	54
182	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2022, 291, 133006.	8.2	54
183	How far have we explored fungi to fight cancer?. <i>Seminars in Cancer Biology</i> , 2022, 86, 976-989.	9.6	53
184	Permeabilization of <i>Haematococcus pluvialis</i> and solid-liquid extraction of astaxanthin by CO <sub>2</sub> -based alkyl carbamate ionic liquids. <i>Chemical Engineering Journal</i> , 2021, 411, 128510.	12.7	53
185	Biodegradation of crude oil in seawater by using a consortium of symbiotic bacteria. <i>Environmental Research</i> , 2022, 213, 113721.	7.5	53
186	Alternative solvents for lipid extraction and their effect on protein quality in black soldier fly ( <i>Hermetia illucens</i> ) larvae. <i>Journal of Cleaner Production</i> , 2019, 238, 117861.	9.3	52
187	Effects of operating parameters on algae <i>Chlorella vulgaris</i> biomass harvesting and lipid extraction using metal sulfates as flocculants. <i>Biomass and Bioenergy</i> , 2020, 132, 105433.	5.7	52
188	Organic Carbonate Production Utilizing Crude Glycerol Derived as By-Product of Biodiesel Production: A Review. <i>Energies</i> , 2020, 13, 1483.	3.1	52
189	Liquid Biphasic System: A Recent Bioseparation Technology. <i>Processes</i> , 2020, 8, 149.	2.8	52
190	Reuniting the Biogeochemistry of Algae for a Low-Carbon Circular Bioeconomy. <i>Trends in Plant Science</i> , 2021, 26, 729-740.	8.8	52
191	Prospects of Industry 5.0 in algae: Customization of production and new advance technology for clean bioenergy generation. <i>Energy Conversion and Management: X</i> , 2021, 10, 100048.	1.6	51
192	How does ionic liquid play a role in sustainability of biomass processing?. <i>Journal of Cleaner Production</i> , 2021, 284, 124772.	9.3	51
193	Primary recovery of lipase derived from <i>Burkholderia cenocepacia</i> strain ST8 and recycling of phase components in an aqueous two-phase system. <i>Biochemical Engineering Journal</i> , 2012, 60, 74-80.	3.6	50
194	Recent Developments and Applications of Three-Phase Partitioning for the Recovery of Proteins. <i>Separation and Purification Reviews</i> , 2019, 48, 52-64.	5.5	50
195	Landfill leachate wastewater treatment to facilitate resource recovery by a coagulation-flocculation process via hydrogen bond. <i>Chemosphere</i> , 2021, 262, 127829.	8.2	50
196	Perovskite oxide for emerging photo(electro)catalysis in energy and environment. <i>Environmental Research</i> , 2022, 205, 112544.	7.5	50
197	Biochar production with amelioration of microwave-assisted pyrolysis: Current scenario, drawbacks and perspectives. <i>Bioresource Technology</i> , 2022, 355, 127303.	9.6	50
198	Renewable diesel as fossil fuel substitution in Malaysia: A review. <i>Fuel</i> , 2022, 314, 123137.	6.4	49

#	ARTICLE	IF	CITATIONS
199	Aqueous Two-Phase Flotation for the Recovery of Biomolecules. Separation and Purification Reviews, 2016, 45, 81-92.	5.5	48
200	Microalgal Protein Extraction From Chlorella vulgaris FSP-E Using Triphasic Partitioning Technique With Sonication. Frontiers in Bioengineering and Biotechnology, 2019, 7, 396.	4.1	48
201	Effects of foam nickel supplementation on anaerobic digestion: Direct interspecies electron transfer. Journal of Hazardous Materials, 2020, 399, 122830.	12.4	48
202	Applying microwave vacuum pyrolysis to design moisture retention and pH neutralizing palm kernel shell biochar for mushroom production. Bioresource Technology, 2020, 312, 123572.	9.6	48
203	A comprehensive review on the use of algal-bacterial systems for wastewater treatment with emphasis on nutrient and micropollutant removal. Bioengineered, 2022, 13, 10412-10453.	3.2	48
204	Characterization of a novel type I l-asparaginase from Acinetobacter soli and its ability to inhibit acrylamide formation in potato chips. Journal of Bioscience and Bioengineering, 2020, 129, 672-678.	2.2	47
205	High biodiesel yield from wet microalgae paste via in-situ transesterification: Effect of reaction parameters towards the selectivity of fatty acid esters. Fuel, 2020, 272, 117718.	6.4	47
206	Catalytic hydrodeoxygenation of biomass-derived pyrolysis oil over alloyed bimetallic Ni3Fe nanocatalyst for high-grade biofuel production. Energy Conversion and Management, 2020, 213, 112859.	9.2	47
207	Smart microalgae farming with internet-of-things for sustainable agriculture. Biotechnology Advances, 2022, 57, 107931.	11.7	47
208	Recovery of human interferon alpha-2b from recombinant Escherichia coli using alcohol/salt-based aqueous two-phase systems. Separation and Purification Technology, 2013, 120, 362-366.	7.9	46
209	Evaluating Self-buffering Ionic Liquids for Biotechnological Applications. ACS Sustainable Chemistry and Engineering, 2015, 3, 3420-3428.	6.7	46
210	Two-step thermodegradation kinetics of cellulose, hemicelluloses, and lignin under isothermal torrefaction analyzed by particle swarm optimization. Energy Conversion and Management, 2021, 238, 114116.	9.2	46
211	Using an innovative pH-stat CO2 feeding strategy to enhance cell growth and C-phycoerythrin production from Spirulina platensis. Biochemical Engineering Journal, 2016, 112, 78-85.	3.6	45
212	Removal of cationic dye waste by nanofiber membrane immobilized with waste proteins. International Journal of Biological Macromolecules, 2020, 164, 3873-3884.	7.5	45
213	Microalgae cultivation in wastewater and potential processing strategies using solvent and membrane separation technologies. Journal of Water Process Engineering, 2021, 39, 101701.	5.6	45
214	How does the Internet of Things (IoT) help in microalgae biorefinery?. Biotechnology Advances, 2022, 54, 107819.	11.7	45
215	Phyllosilicate derived catalysts for efficient conversion of lignocellulosic derived biomass to biodiesel: A review. Bioresource Technology, 2022, 343, 126068.	9.6	45
216	Enhanced recovery of lipase derived from Burkholderia cepacia from fermentation broth using recyclable ionic liquid/polymer-based aqueous two-phase systems. Separation and Purification Technology, 2017, 179, 152-160.	7.9	44

#	ARTICLE	IF	CITATIONS
217	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.	6.8	44
218	Glycerol organosolv pretreatment can unlock lignocellulosic biomass for production of fermentable sugars: Present situation and challenges. <i>Bioresource Technology</i> , 2022, 344, 126264.	9.6	44
219	ZrO <sub>2</sub> incorporated polysulfone anion exchange membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29668-29680.	7.1	43
220	Techniques to improve the stability of biodiesel: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2209-2236.	16.2	43
221	Recent advances in hydrodynamic cavitation-based pretreatments of lignocellulosic biomass for valorization. <i>Bioresource Technology</i> , 2022, 345, 126251.	9.6	43
222	Hybrid Pd <sub>50</sub> -Ru <sub>50</sub> /MXene (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) nanocatalyst for effective hydrogenation of CO <sub>2</sub> to methanol toward climate change control. <i>Chemical Engineering Journal</i> , 2021, 414, 128869.	12.7	42
223	A review on the diverse interactions between microalgae and nanomaterials: Growth variation, photosynthetic performance and toxicity. <i>Bioresource Technology</i> , 2022, 351, 127048.	9.6	42
224	Integration process of fermentation and liquid biphasic flotation for lipase separation from <i>Burkholderia cepacia</i> . <i>Bioresource Technology</i> , 2018, 250, 306-316.	9.6	41
225	Metabolic profile of ginkgo kernel juice fermented with lactic acid bacteria: A potential way to degrade ginkgolic acids and enrich terpene lactones and phenolics. <i>Process Biochemistry</i> , 2019, 76, 25-33.	3.7	41
226	The effects of green tea on lipid metabolism and its potential applications for obesity and related metabolic disorders - An existing update. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 1667-1673.	3.6	40
227	Adsorptive removal of phenol using banyan root activated carbon. <i>Chemical Engineering Communications</i> , 2021, 208, 831-842.	2.6	40
228	Microalgae-based bioplastics: Future solution towards mitigation of plastic wastes. <i>Environmental Research</i> , 2022, 206, 112620.	7.5	40
229	Waste to energy: the effects of <i>Pseudomonas</i> sp. on <i>Chlorella sorokiniana</i> biomass and lipid productions in palm oil mill effluent. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2037-2045.	4.1	39
230	Development of a novel switched packed bed process for cryogenic CO <sub>2</sub> capture from natural gas. <i>Chemical Engineering Research and Design</i> , 2021, 147, 878-887.	5.6	39
231	Analysis of methanol synthesis using CO <sub>2</sub> hydrogenation and syngas produced from biogas-based reforming processes. <i>Chemical Engineering Journal</i> , 2021, 426, 130835.	12.7	39
232	Recent ultrasound advancements for the manipulation of nanobiomaterials and nanoformulations for drug delivery. <i>Ultrasonics Sonochemistry</i> , 2021, 80, 105805.	8.2	39
233	<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
234	Highly efficient dye removal and lysozyme purification using strong and weak cation-exchange nanofiber membranes. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1410-1421.	7.5	38

#	ARTICLE	IF	CITATIONS
235	Ultrasound in the deproteinization process for chitin and chitosan production. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105417.	8.2	38
236	Sustainable valorization of algae biomass via thermochemical processing route: An overview. <i>Bioresource Technology</i> , 2022, 344, 126399.	9.6	38
237	Removal of Ionic Dyes by Nanofiber Membrane Functionalized with Chitosan and Egg White Proteins: Membrane Preparation and Adsorption Efficiency. <i>Membranes</i> , 2022, 12, 63.	3.0	38
238	Novel lipase purification methods – a review of the latest developments. <i>Biotechnology Journal</i> , 2015, 10, 31-44.	3.5	37
239	Pilot-scale aqueous two-phase floatation for direct recovery of lipase derived from <i>Burkholderia cepacia</i> strain ST8. <i>Separation and Purification Technology</i> , 2016, 171, 206-213.	7.9	37
240	Photobioreactors. , 2017, , 313-352.		37
241	Thermodynamic sorption properties, water plasticizing effect and particle characteristics of blueberry powders produced from juices, fruits and pomaces. <i>Powder Technology</i> , 2018, 323, 208-218.	4.2	37
242	<i>Chlorella vulgaris</i> FSP-E cultivation in waste molasses: Photo-to-property estimation by artificial intelligence. <i>Chemical Engineering Journal</i> , 2020, 402, 126230.	12.7	37
243	The Effects of Biofertilizers on Growth, Soil Fertility, and Nutrients Uptake of Oil Palm ( <i>Elaeis</i> ) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.8	37
244	Global market and economic analysis of microalgae technology: Status and perspectives. <i>Bioresource Technology</i> , 2022, 357, 127329.	9.6	37
245	Efficient deoxygenation of triglycerides to hydrocarbon-biofuel over mesoporous Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> catalyst. <i>Fuel Processing Technology</i> , 2019, 194, 106120.	7.2	36
246	Sustainable landfill leachate treatment: Optimize use of guar gum as natural coagulant and floc characterization. <i>Environmental Research</i> , 2020, 188, 109737.	7.5	36
247	Permeabilization of <i>Chlorella sorokiniana</i> and extraction of lutein by distillable CO <sub>2</sub> -based alkyl carbamate ionic liquids. <i>Separation and Purification Technology</i> , 2021, 256, 117471.	7.9	36
248	Cerium functionalized graphene nano-structures and their applications; A review. <i>Environmental Research</i> , 2022, 208, 112685.	7.5	36
249	Combined ANFIS and numerical methods to simulate ultrasound-assisted extraction of phenolics from chokeberry cultivated in China and analysis of phenolic composition. <i>Separation and Purification Technology</i> , 2017, 178, 178-188.	7.9	35
250	Insight on Extraction and Characterisation of Biopolymers as the Green Coagulants for Microalgae Harvesting. <i>Water (Switzerland)</i> , 2020, 12, 1388.	2.7	35
251	Multi-objective optimization of the cavitation generation unit structure of an advanced rotational hydrodynamic cavitation reactor. <i>Ultrasonics Sonochemistry</i> , 2021, 80, 105771.	8.2	35
252	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

#	ARTICLE	IF	CITATIONS
253	Plant extract-based green fabrication of nickel ferrite (NiFe <sub>2</sub> O <sub>4</sub> ) nanoparticles: An operative platform for non-enzymatic determination of pentachlorophenol. <i>Chemosphere</i> , 2022, 294, 133760.	8.2	35
254	Integration process for betacyanins extraction from peel and flesh of <i>Hylocereus polyrhizus</i> using liquid biphasic electric flotation system and antioxidant activity evaluation. <i>Separation and Purification Technology</i> , 2019, 209, 193-201.	7.9	34
255	A review on the advanced leachate treatment technologies and their performance comparison: an opportunity to keep the environment safe. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 227.	2.7	34
256	Development of proton-exchange membrane fuel cell with ionic liquid technology. <i>Science of the Total Environment</i> , 2021, 793, 148705.	8.0	34
257	Improving protein production of indigenous microalga <i>Chlorella vulgaris</i> by photobioreactor design and cultivation strategies. <i>Biotechnology Journal</i> , 2015, 10, 905-914.	3.5	33
258	Extractive disruption process integration using ultrasonication and an aqueous two-phase system for protein recovery from <i>Chlorella sorokiniana</i> . <i>Engineering in Life Sciences</i> , 2017, 17, 357-369.	3.6	33
259	Auto-flocculation through cultivation of <i>Chlorella vulgaris</i> in seafood wastewater discharge: Influence of culture conditions on microalgae growth and nutrient removal. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 492-498.	2.2	33
260	A novel lipids recovery strategy for biofuels generation on microalgae <i>Chlorella</i> cultivation with waste molasses. <i>Journal of Water Process Engineering</i> , 2020, 38, 101665.	5.6	33
261	A comprehensive review on the techniques for coconut oil extraction and its application. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1807-1818.	3.4	33
262	Emerging algal nanotechnology for high-value compounds: A direction to future food production. <i>Trends in Food Science and Technology</i> , 2021, 116, 290-302.	15.1	33
263	Evaluating the application of antibiotic treatment using algae-activated sludge system. <i>Chemosphere</i> , 2021, 282, 130966.	8.2	33
264	Algae as potential feedstock for various bioenergy production. <i>Chemosphere</i> , 2022, 287, 131944.	8.2	33
265	Extractive bioconversion of cyclodextrins by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase in aqueous two-phase system. <i>Bioresource Technology</i> , 2013, 142, 723-726.	9.6	32
266	Recent advances of aqueous two-phase flotation system for the recovery of biomolecules. <i>Fluid Phase Equilibria</i> , 2019, 501, 112271.	2.5	32
267	Estimation of carbon dioxide (CO <sub>2</sub> ) reduction by utilization of algal biomass bioplastic in Malaysia using carbon emission pinch analysis (CEPA). <i>Bioengineered</i> , 2020, 11, 154-164.	3.2	32
268	Application of ultrasonication at different microbial growth stages during apple juice fermentation by <i>Lactobacillus plantarum</i> : Investigation on the metabolic response. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105486.	8.2	32
269	Adsorption behavior of mercury over hydrated lime: Experimental investigation and adsorption process characteristic study. <i>Chemosphere</i> , 2021, 271, 129504.	8.2	32
270	A review on bioconversion processes for hydrogen production from agro-industrial residues. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37302-37320.	7.1	32



#	ARTICLE	IF	CITATIONS
271	Recent progress in catalytic conversion of microalgae oil to green hydrocarbon: A review. Journal of the Taiwan Institute of Chemical Engineers, 2017, 79, 116-124.	5.3	31
272	Sustainable approach in recycling of phase components of large scale aqueous two-phase flotation for lipase recovery. Journal of Cleaner Production, 2018, 184, 938-948.	9.3	31
273	Densification of food waste compost: Effects of moisture content and dairy powder waste additives on pellet quality. Chemical Engineering Research and Design, 2018, 116, 780-786.	5.6	31
274	Controlled synthesis of iron oxyhydroxide (FeOOH) nanoparticles using secretory compounds from <i>Chlorella vulgaris</i> microalgae. Bioengineered, 2019, 10, 390-396.	3.2	31
275	Molybdenum disulfide decorated palm oil waste activated carbon as an efficient catalyst for hydrogen generation by sodium borohydride hydrolysis. International Journal of Hydrogen Energy, 2019, 44, 14406-14415.	7.1	31
276	Production of bio-hydrogen from dairy wastewater using pretreated landfill leachate sludge as an inoculum. Journal of Bioscience and Bioengineering, 2019, 127, 150-159.	2.2	31
277	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. Sustainability, 2020, 12, 1558.	3.2	31
278	Sustainable membrane technology for resource recovery from wastewater: Forward osmosis and pressure retarded osmosis. Journal of Water Process Engineering, 2021, 39, 101758.	5.6	31
279	High-performance and stable Ru-Pd nanosphere catalyst supported on two-dimensional boron nitride nanosheets for the hydrogenation of furfural via water-mediated protonation. Fuel, 2021, 290, 119826.	6.4	31
280	Can algae contribute to the war with Covid-19?. Bioengineered, 2021, 12, 1226-1237.	3.2	31
281	Sources, chemistry, bioremediation and social aspects of arsenic-contaminated waters: a review. Environmental Chemistry Letters, 2021, 19, 3859-3886.	16.2	31
282	Benchtop Isolation and Characterisation of Small Extracellular Vesicles from Human Mesenchymal Stem Cells. Molecular Biotechnology, 2021, 63, 780-791.	2.4	31
283	Sustainable smart photobioreactor for continuous cultivation of microalgae embedded with Internet of Things. Bioresource Technology, 2022, 346, 126558.	9.6	31
284	One-Pot Ionic Liquid-Mediated Bioprocess for Pretreatment and Enzymatic Hydrolysis of Rice Straw with Ionic Liquid-Tolerance Bacterial Cellulase. Bioengineering, 2022, 9, 17.	3.5	31
285	Recovery of laccase from processed <i>Hericium erinaceus</i> (Bull.:Fr) Pers. fruiting bodies in aqueous two-phase system. Journal of Bioscience and Bioengineering, 2016, 122, 301-306.	2.2	30
286	Evaluating new bio-hydrogen producers: <i>Clostridium perfringens</i> strain JJC, <i>Clostridium bifermentans</i> strain WYM and <i>Clostridium</i> sp. strain Ade.TY. Journal of Bioscience and Bioengineering, 2018, 125, 590-598.	2.2	30
287	Batch and dynamic adsorption of lysozyme from chicken egg white on dye-affinity nanofiber membranes modified by ethylene diamine and chitosan. International Journal of Biological Macromolecules, 2020, 162, 1711-1724.	7.5	30
288	Encapsulation of bioactive polyphenols by starch and their impacts on gut microbiota. Current Opinion in Food Science, 2021, 38, 102-111.	8.0	30

#	ARTICLE	IF	CITATIONS
289	Microalgae: The Future Supply House of Biohydrogen and Biogas. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	30
290	Preliminary integrated economic and environmental analysis of polyhydroxyalkanoates (PHAs) biosynthesis. <i>Bioresources and Bioprocessing</i> , 2016, 3, .	4.2	29
291	Purification of the recombinant enhanced green fluorescent protein from <i>Escherichia coli</i> using alcohol + salt aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2018, 192, 130-139.	7.9	29
292	Simulation studies on microwave-assisted pyrolysis of biomass for bioenergy production with special attention on waveguide number and location. <i>Energy</i> , 2020, 190, 116474.	8.8	29
293	In-vitro molecular docking analysis of microalgae extracted phycocyanin as an anti-diabetic candidate. <i>Biochemical Engineering Journal</i> , 2020, 161, 107666.	3.6	29
294	Impact of magnetic immobilization on the cell physiology of green unicellular algae <i>Chlorella vulgaris</i> . <i>Bioengineered</i> , 2020, 11, 141-153.	3.2	29
295	Sonoproduction of nanobiomaterials – A critical review. <i>Ultrasonics Sonochemistry</i> , 2022, 82, 105887.	8.2	29
296	Integration Process for Protein Extraction from Microalgae Using Liquid Biphasic Electric Flotation (LBEF) System. <i>Molecular Biotechnology</i> , 2018, 60, 749-761.	2.4	28
297	Isolation of protein from <i>Chlorella sorokiniana</i> CY1 using liquid biphasic flotation assisted with sonication through sugaring-out effect. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 898-908.	1.3	28
298	Parametric and phenomenological studies about ultrasound-enhanced biosorption of phenolics from fruit pomace extract by waste yeast. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 193-204.	8.2	28
299	Characterization of whey protein isolate and pectin composite film catalyzed by small laccase from <i>Streptomyces coelicolor</i> . <i>Environmental Technology and Innovation</i> , 2020, 19, 100999.	6.1	28
300	Bioprocessing of <i>Chaetoceros calcitrans</i> for the recovery of fucoxanthin using CO <sub>2</sub> -based alkyl carbamate ionic liquids. <i>Bioresource Technology</i> , 2021, 322, 124520.	9.6	28
301	Advanced materials for immobilization of purple phototrophic bacteria in bioremediation of oil-polluted wastewater. <i>Chemosphere</i> , 2021, 278, 130464.	8.2	28
302	Carbon supported Ni <sub>3</sub> N/Ni heterostructure for hydrogen evolution reaction in both acid and alkaline media. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30739-30749.	7.1	28
303	New Insights in factors affecting ground water quality with focus on health risk assessment and remediation techniques. <i>Environmental Research</i> , 2022, 212, 113171.	7.5	28
304	Review of Microbial Lipase Purification Using Aqueous Two-phase Systems. <i>Current Organic Chemistry</i> , 2015, 19, 19-29.	1.6	27
305	Strategies for enhancing lipid production from indigenous microalgae isolates. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 189-194.	5.3	27
306	Oxidative reaction interaction and synergistic index of emulsified pyrolysis bio-oil/diesel fuels. <i>Renewable Energy</i> , 2019, 136, 223-234.	8.9	27

#	ARTICLE	IF	CITATIONS
307	Current Developments in Catalytic Methanation of Carbon Dioxide—A Review. <i>Frontiers in Energy Research</i> , 2022, 9, .	2.3	27
308	Zika virus infection in Vietnam: current epidemic, strain origin, spreading risk, and perspective. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2017, 36, 2041-2042.	2.9	26
309	Photostabilization of phycocyanin from <i>Spirulina platensis</i> modified by formaldehyde. <i>Process Biochemistry</i> , 2020, 94, 297-304.	3.7	26
310	Sonoprocessing-assisted solvent extraction for the recovery of pigment-protein complex from <i>Spirulina platensis</i> . <i>Chemical Engineering Journal</i> , 2020, 398, 125613.	12.7	26
311	Current application of electrical pre-treatment for enhanced microalgal biomolecules extraction. <i>Bioresource Technology</i> , 2020, 302, 122874.	9.6	26
312	Highly active iron-promoted hexagonal mesoporous silica (HMS) for deoxygenation of triglycerides to green hydrocarbon-like biofuel. <i>Fuel</i> , 2022, 308, 121860.	6.4	26
313	Recent advances of biosurfactant for waste and pollution bioremediation: Substitutions of petroleum-based surfactants. <i>Environmental Research</i> , 2022, 212, 113126.	7.5	26
314	Characterization of bovine serum albumin partitioning behaviors in polymer-salt aqueous two-phase systems. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 85-90.	2.2	25
315	Thermoseparating aqueous two-phase systems: Recent trends and mechanisms. <i>Journal of Separation Science</i> , 2016, 39, 640-647.	2.5	25
316	Emerging crosslinking techniques for glove manufacturers with improved nitrile glove properties and reduced allergic risks. <i>Materials Today Communications</i> , 2019, 19, 39-50.	1.9	25
317	Effect of microwave and air-borne ultrasound-assisted air drying on drying kinetics and phytochemical properties of broccoli floret. <i>Drying Technology</i> , 2020, 38, 1733-1748.	3.1	25
318	Novel, Nonthermal, Energy Efficient, Industrially Scalable Hydrodynamic Cavitation – Applications in Food Processing. <i>Food Reviews International</i> , 2020, 36, 668-691.	8.4	25
319	Date-fruit syrup waste extract as a natural additive for soap production with enhanced antioxidant and antibacterial activity. <i>Environmental Technology and Innovation</i> , 2020, 20, 101153.	6.1	25
320	Pyrolysis of different date palm industrial wastes into high-quality bio-oils: A comparative study. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 55-64.	4.1	25
321	Urban mining of obsolete computers by manual dismantling and waste printed circuit boards by chemical leaching and toxicity assessment of its waste residues. <i>Environmental Pollution</i> , 2021, 283, 117033.	7.5	25
322	Conversion of the toxic and hazardous <i>Zanthoxylum armatum</i> seed oil into methyl ester using green and recyclable silver oxide nanoparticles. <i>Fuel</i> , 2022, 310, 122296.	6.4	25
323	Current approaches in CRISPR-Cas9 mediated gene editing for biomedical and therapeutic applications. <i>Journal of Controlled Release</i> , 2022, 343, 703-723.	9.9	25
324	Metallic and semiconducting carbon nanotubes separation using an aqueous two-phase separation technique: a review. <i>Nanotechnology</i> , 2016, 27, 332002.	2.6	24

#	ARTICLE	IF	CITATIONS
325	Human thermogenic adipocytes: a reflection on types of adipocyte, developmental origin, and potential application. <i>Journal of Physiology and Biochemistry</i> , 2017, 73, 1-4.	3.0	24
326	Rapid and efficient recovery of C-phycoerythrin from highly turbid <i>Spirulina platensis</i> algae using stirred fluidized bed ion exchange chromatography. <i>Separation and Purification Technology</i> , 2019, 209, 636-645.	7.9	24
327	Microwave plasma technology for sustainable energy production and the electromagnetic interaction within the plasma system: A review. <i>Environmental Research</i> , 2021, 197, 111204.	7.5	24
328	Liquid triphasic systems as sustainable downstream processing of <i>Chlorella</i> sp. biorefinery for potential biofuels and feed production. <i>Bioresource Technology</i> , 2021, 333, 125075.	9.6	24
329	Extractive bioconversion of poly- $\epsilon$ -caprolactone by <i>Burkholderia cepacia</i> lipase in an aqueous two-phase system. <i>Biochemical Engineering Journal</i> , 2015, 101, 9-17.	3.6	23
330	Sonication and grinding pre-treatments on <i>Gelidium amansii</i> seaweed for the extraction and characterization of Agarose. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	23
331	Optimization of protein extraction from <i>Chlorella Vulgaris</i> via novel sugaring-assisted liquid biphasic electric flotation system. <i>Engineering in Life Sciences</i> , 2019, 19, 968-977.	3.6	23
332	Application of thermo-separating aqueous two-phase system in extractive bioconversion of polyhydroxyalkanoates by <i>Cupriavidus necator</i> H16. <i>Bioresource Technology</i> , 2019, 287, 121474.	9.6	23
333	Immobilized <i>Chlorella</i> species mixotrophic cultivation at various textile wastewater concentrations. <i>Journal of Water Process Engineering</i> , 2020, 38, 101609.	5.6	23
334	Outlook on biorefinery potential of palm oil mill effluent for resource recovery. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104519.	6.7	23
335	Optimization of Pyrolysis Parameters for Production of Biochar From Banana Peels: Evaluation of Biochar Application on the Growth of <i>Ipomoea aquatica</i> . <i>Frontiers in Energy Research</i> , 2021, 8, .	2.3	23
336	Highly selective etherification of fructose and 5-hydroxymethylfurfural over a novel Pd-Ru/MXene catalyst for sustainable liquid fuel production. <i>International Journal of Energy Research</i> , 2021, 45, 14680-14691.	4.5	23
337	Sustainable functionalized metal-organic framework NH <sub>2</sub> -MIL-101(Al) for CO <sub>2</sub> separation under cryogenic conditions. <i>Environmental Pollution</i> , 2021, 279, 116924.	7.5	23
338	Facile and green approach in managing sand crab carapace biowaste for obtention of high deacetylation percentage chitosan. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105229.	6.7	23
339	Economic potential of bioremediation using immobilized microalgae-based microbial fuel cells. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 2251-2264.	4.1	23
340	Biogas production enhancement by co-digestion of empty fruit bunch (EFB) with palm oil mill effluent (POME): Performance and kinetic evaluation. <i>Renewable Energy</i> , 2021, 179, 766-777.	8.9	23
341	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. <i>Food Chemistry</i> , 2020, 327, 127038.	8.2	23
342	Production of hydrogen and value-added carbon materials by catalytic methane decomposition: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2339-2359.	16.2	23

#	ARTICLE	IF	CITATIONS
343	Recent advances in the analytical strategies of microbial biosensor for detection of pollutants. <i>Chemosphere</i> , 2022, 306, 135515.	8.2	23
344	Direct recovery of cyclodextringlycosyltransferase from <i>Bacillus cereus</i> using aqueous two-phase flotation. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 684-689.	2.2	22
345	Docosahexaenoic acid production from crude glycerol by <i>Schizochytrium limacinum</i> SR21. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 2209-2216.	4.1	22
346	Extraction and purification of Polyhydroxyalkanoates (PHAs): application of Thermoseparating aqueous two-phase extraction. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	22
347	Recovery of Protein from Dairy Milk Waste Product Using Alcohol-Salt Liquid Biphasic Flotation. <i>Processes</i> , 2019, 7, 875.	2.8	22
348	Removal of protein wastes by cylinder-shaped NaY zeolite adsorbents decorated with heavy metal wastes. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 761-772.	7.5	22
349	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
350	Recovery of <i>Bacillus cereus</i> cyclodextrin glycosyltransferase using ionic liquid-based aqueous two-phase system. <i>Separation and Purification Technology</i> , 2014, 138, 28-33.	7.9	21
351	Liquid-Liquid Equilibrium of Alcohols + Ammonium/Potassium/Sodium Acetate + Water Systems: Experimental and Correlation. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 2848-2857.	1.9	21
352	Transcranial Direct Current Stimulation (tDCS) of the Right Inferior Frontal Gyrus Attenuates Skin Conductance Responses to Unpredictable Threat Conditions. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 352.	2.0	21
353	Investigation of betacyanins stability from peel and flesh of red-purple pitaya with food additives supplementation and pH treatments. <i>LWT - Food Science and Technology</i> , 2018, 98, 546-558.	5.2	21
354	School education and childhood obesity: A systemic review. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 2495-2501.	3.6	21
355	Integration of osmotic shock assisted liquid biphasic system for protein extraction from microalgae <i>Chlorella vulgaris</i> . <i>Biochemical Engineering Journal</i> , 2020, 157, 107532.	3.6	21
356	Computational Lock and Key and Dynamic Trajectory Analysis of Natural Biophors Against COVID-19 Spike Protein to Identify Effective Lead Molecules. <i>Molecular Biotechnology</i> , 2021, 63, 898-908.	2.4	21
357	Removal of calcium ions from aqueous solution by bovine serum albumin (BSA)-modified nanofiber membrane: Dynamic adsorption performance and breakthrough analysis. <i>Biochemical Engineering Journal</i> , 2021, 171, 108016.	3.6	21
358	Lipase production and purification by self-buffering ionic liquid-based aqueous biphasic systems. <i>Process Biochemistry</i> , 2017, 63, 221-228.	3.7	20
359	Relevance of Dorsolateral and Frontotemporal Cortex on the Phonemic Verbal Fluency – A fNIRS-Study. <i>Neuroscience</i> , 2017, 367, 169-177.	2.3	20
360	Biorefinery of <i>Chlorella sorokiniana</i> using ultra sonication assisted liquid triphasic flotation system. <i>Bioresource Technology</i> , 2020, 303, 122931.	9.6	20

#	ARTICLE	IF	CITATIONS
361	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
362	Syngas production with low tar content from cellulose pyrolysis in molten salt combined with Ni/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 158, 105243.	5.5	20
363	Multi-objective optimization of thermophysical properties of multiwalled carbon nanotubes based nanofluids. <i>Chemosphere</i> , 2022, 286, 131690.	8.2	20
364	An integration study of microalgae bioactive retention: From microalgae biomass to microalgae bioactives nanoparticle. <i>Food and Chemical Toxicology</i> , 2021, 158, 112607.	3.6	20
365	Trash to Energy: A Measure for the Energy Potential of Combustible content of Domestic solid waste generated from an industrialized city of Pakistan. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 137, 104223.	5.3	20
366	Cloud-point extraction of green-polymers from <i>Cupriavidus necator</i> lysate using a thermoseparating-based aqueous two-phase extraction. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 370-375.	2.2	19
367	Effect of salt-based adjuvant on partition behaviour of protein in aqueous two-phase systems composed of polypropylene glycol and cholinium glycinate. <i>Separation and Purification Technology</i> , 2018, 196, 281-286.	7.9	19
368	Exploitation and Biorefinery of Microalgae. , 2018, , 571-601.		19
369	Hybrid liquid biphasic system for cell disruption and simultaneous lipid extraction from microalgae <i>Chlorella sorokiniana</i> CY-1 for biofuel production. <i>Biotechnology for Biofuels</i> , 2019, 12, 252.	6.2	19
370	Meeting Sustainable Development Goals: Alternative Extraction Processes for Fucoxanthin in Algae. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 546067.	4.1	19
371	Sustainable technologies for waste reduction and pollutants removals. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 1-2.	4.1	19
372	Dehydration of apple slices by sequential drying pretreatments and airborne ultrasound-assisted air drying: Study on mass transfer, profiles of phenolics and organic acids and PPO activity. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 75, 102871.	5.6	19
373	An overview on the development of conventional and alternative extractive methods for the purification of agarose from seaweed. <i>Separation Science and Technology</i> , 2018, 53, 467-480.	2.5	18
374	Development of <i>Aurantiochytrium limacinum</i> SR21 cultivation using salt-rich waste feedstock for docosahexaenoic acid production and application of natural colourant in food product. <i>Bioresource Technology</i> , 2019, 271, 30-36.	9.6	18
375	Overproduction of lipoxygenase from <i>Pseudomonas aeruginosa</i> in <i>Escherichia coli</i> by auto-induction expression and its application in triphenylmethane dyes degradation. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 327-332.	2.2	18
376	Valorization of rice husk to aromatics via thermocatalytic conversion in the presence of decomposed methane. <i>Chemical Engineering Journal</i> , 2021, 417, 129264.	12.7	18
377	Influence of organic loading rates on treatment performance of membrane bioreactor treating tannery wastewater. <i>Environmental Technology and Innovation</i> , 2021, 24, 101810.	6.1	18
378	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Chemosphere</i> , 2022, 287, 132224.	8.2	18

#	ARTICLE	IF	CITATIONS
379	Challenges and recent trends with the development of hydrogel fiber for biomedical applications. <i>Chemosphere</i> , 2022, 287, 131956.	8.2	18
380	Childhood Obesity Is a High-risk Factor for Hypertriglyceridemia: A Case-control Study in Vietnam. <i>Osong Public Health and Research Perspectives</i> , 2017, 8, 138-146.	1.9	18
381	Bioethanol from hydrolysate of ultrasonic processed robust microalgal biomass cultivated in dairy wastewater under optimal strategy. <i>Energy</i> , 2022, 244, 122604.	8.8	18
382	Effect of torrefaction and fractional condensation on the quality of bio-oil from biomass pyrolysis for fuel applications. <i>Fuel</i> , 2022, 312, 122959.	6.4	18
383	How far have we reached in development of effective influenza vaccine?. <i>International Reviews of Immunology</i> , 2018, 37, 266-276.	3.3	17
384	Thermal Analysis of Nigerian Oil Palm Biomass with Sachet-Water Plastic Wastes for Sustainable Production of Biofuel. <i>Processes</i> , 2019, 7, 475.	2.8	17
385	Enhancement of C-phycoerythrin purity using negative chromatography with chitosan-modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 615-628.	7.5	17
386	Impact of post-torrefaction process on biochar formation from wood pellets and self-heating phenomena for production safety. <i>Energy</i> , 2020, 207, 118324.	8.8	17
387	Evaluation of dynamic binding performance of C-phycoerythrin and allophycoerythrin in <i>Spirulina platensis</i> algae by aminated polyacrylonitrile nanofiber membrane. <i>Biochemical Engineering Journal</i> , 2020, 161, 107686.	3.6	17
388	Treatment for Landfill Leachate via Physicochemical Approaches. <i>Chemical and Biochemical Engineering Quarterly</i> , 2020, 34, 1-24.	0.9	17
389	Thermal-Fenton mechanism with sonoprocessing for rapid non-catalytic transesterification of microalgal to biofuel production. <i>Chemical Engineering Journal</i> , 2021, 408, 127264.	12.7	17
390	Biogas production from beverage factory wastewater in a mobile bioenergy station. <i>Chemosphere</i> , 2021, 264, 128564.	8.2	17
391	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.	5.6	17
392	Future advances and challenges of nanomaterial-based technologies for electromagnetic interference-based technologies: A review. <i>Environmental Research</i> , 2022, 205, 112402.	7.5	17
393	Ionic liquids for the inhibition of gas hydrates. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2165-2188.	16.2	17
394	The carbon sequestration potential of urban public parks of densely populated cities to improve environmental sustainability. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102064.	2.7	17
395	The Expansion of Lignocellulose Biomass Conversion Into Bioenergy via Nanobiotechnology. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	17
396	Interfacial partitioning behaviour of bovine serum albumin in polymer-salt aqueous two-phase system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 934, 71-78.	2.3	16

#	ARTICLE	IF	CITATIONS
397	Separation of single-walled carbon nanotubes using aqueous two-phase system. Separation and Purification Technology, 2014, 125, 136-141.	7.9	16
398	Production of Î³-cyclodextrin by Bacillus cereus cyclodextrin glycosyltransferase using extractive bioconversion in polymer-salt aqueous two-phase system. Journal of Bioscience and Bioengineering, 2016, 121, 692-696.	2.2	16
399	Thermo-sensitive aqueous biphasic extraction of polyphenols from Camellia sinensis var. assamica leaves. Journal of the Taiwan Institute of Chemical Engineers, 2017, 79, 151-157.	5.3	16
400	Optimization and kinetic study of non-catalytic transesterification of palm oil under subcritical condition using microwave technology. Energy Conversion and Management, 2019, 196, 1126-1137.	9.2	16
401	Characterization and Analysis of Malaysian Macroalgae Biomass as Potential Feedstock for Bio-Oil Production. Energies, 2019, 12, 3509.	3.1	16
402	A simple method for cell disruption by immobilization of lysozyme on the extrudate-shaped Na-Y zeolite: Recirculating packed bed disruption process. Biochemical Engineering Journal, 2019, 141, 210-216.	3.6	16
403	Enhanced Degradation of Diesel Oil by Using Biofilms Formed by Indigenous Purple Photosynthetic Bacteria from Oil-Contaminated Coasts of Vietnam on Different Carriers. Applied Biochemistry and Biotechnology, 2020, 191, 313-330.	2.9	16
404	Effect of eggshell- and homo-type Ni/Al <sub>2</sub> O <sub>3</sub> catalysts on the pyrolysis of food waste under CO <sub>2</sub> atmosphere. Journal of Environmental Management, 2021, 294, 112959.	7.8	16
405	An efficient and rapid method to extract and purify protein “ Liquid Triphasic Flotation system. Bioresource Technology, 2019, 294, 122158.	9.6	15
406	Extraction of agar from Eucheuma cottonii and Gelidium amansii seaweeds with sonication pretreatment using autoclaving method. Journal of Oceanology and Limnology, 2019, 37, 871-880.	1.3	15
407	Thermophysical Properties and CO <sub>2</sub> Absorption of Ammonium-Based Protic Ionic Liquids Containing Acetate and Butyrate Anions. Processes, 2019, 7, 820.	2.8	15
408	Product Characteristics of Torrefied Wood Sawdust in Normal and Vacuum Environments. Energies, 2019, 12, 3844.	3.1	15
409	Preliminary In Vitro Evaluation of Chitosan“Graphene Oxide Scaffolds on Osteoblastic Adhesion, Proliferation, and Early Differentiation. International Journal of Molecular Sciences, 2020, 21, 5202.	4.1	15
410	Continuous Phenol Removal Using a Liquid“Solid Circulating Fluidized Bed. Energies, 2020, 13, 3839.	3.1	15
411	Kinetic and thermodynamic analysis of iron oxide reduction by graphite for CO <sub>2</sub> mitigation in chemical“looping combustion. International Journal of Energy Research, 2020, 44, 3865-3882.	4.5	15
412	Extraction of phenolic compounds from fresh and wilt kesum plant using liquid biphasic flotation. Separation and Purification Technology, 2020, 242, 116831.	7.9	15
413	Characterization of a recombinant laccase from Fusarium oxysporum HUIB02 for biochemical application on dyes removal. Biochemical Engineering Journal, 2021, 168, 107958.	3.6	15
414	Generation of microalga Chlamydomonas reinhardtii expressing VP28 protein as oral vaccine candidate for shrimps against White Spot Syndrome Virus (WSSV) infection. Aquaculture, 2021, 540, 736737.	3.5	15



#	ARTICLE	IF	CITATIONS
415	Mitigation of particulate matters and integrated approach for carbon monoxide remediation in an urban environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105546.	6.7	15
416	Mitigation of CO <sub>2</sub> emissions by transforming to biofuels: Optimization of biofuels production processes. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111487.	16.4	15
417	Treatment of Hospital wastewater with submerged aerobic fixed film reactor coupled with tube-settler. <i>Chemosphere</i> , 2022, 286, 131838.	8.2	15
418	Novel strategy in biohydrogen energy production from COVID - 19 plastic waste: A critical review. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 42051-42074.	7.1	15
419	Recent advances of natural biopolymeric culture scaffold: synthesis and modification. <i>Bioengineered</i> , 2022, 13, 2226-2247.	3.2	15
420	Recovery of microalgae biodiesel using liquid biphasic flotation system. <i>Fuel</i> , 2022, 317, 123368.	6.4	15
421	Recovery of lignin peroxidase from submerged liquid fermentation of <i>Amauroderma rugosum</i> (Blume) Tj ETQq1 1 0.784314 rgBT /Overl and <i>Bioengineering</i> , 2017, 124, 91-98.	2.2	14
422	A rapid and efficient technique for direct extraction of C-phycoyanin from highly turbid <i>Spirulina platensis</i> algae using hydrophobic interaction chromatography in stirred fluidized bed. <i>Biochemical Engineering Journal</i> , 2018, 140, 47-56.	3.6	14
423	Prevalence and Risk Factors of Hypertension in the Vietnamese Elderly. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2019, 26, 239-246.	2.2	14
424	Optimization of production parameters of fish protein hydrolysate from <i>Sarda Orientalis</i> black muscle (by-product) using protease enzyme. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 31-40.	4.1	14
425	Simultaneous harvesting and cell disruption of microalgae using ozone bubbles: optimization and characterization study for biodiesel production. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 1257-1268.	4.4	14
426	Small Laccase from <i>Streptomyces coelicolor</i> catalyzed chitosan-pectin blending film for hazardous gas removal. <i>Environmental Technology and Innovation</i> , 2021, 23, 101690.	6.1	14
427	Cultivation of <i>Chlorella vulgaris</i> on dairy waste using vision imaging for biomass growth monitoring. <i>Bioresource Technology</i> , 2021, 341, 125892.	9.6	14
428	Optimization of culture conditions for gamma-aminobutyric acid production by newly identified <i>Pediococcus pentosaceus</i> MN12 isolated from mam nem, a fermented fish sauce. <i>Bioengineered</i> , 2021, 12, 54-62.	3.2	14
429	Effects of burning rice straw residue on-field on soil organic carbon pools: Environment-friendly approach from a conventional rice paddy in central Viet Nam. <i>Chemosphere</i> , 2022, 294, 133596.	8.2	14
430	Development of Cu <sub>3</sub> N electrocatalyst for hydrogen evolution reaction in alkaline medium. <i>Scientific Reports</i> , 2022, 12, 2004.	3.3	14
431	Progress and Recent Trends in the Application of Nanoparticles as Low Carbon Fuel Additives: A State of the Art Review. <i>Nanomaterials</i> , 2022, 12, 1515.	4.1	14
432	Densities, Viscosities, and Refractive Indexes of Good's Buffer Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 2260-2268.	1.9	13

#	ARTICLE	IF	CITATIONS
433	Green technology of liquid biphasic flotation for enzyme recovery utilizing recycling surfactant and sorbitol. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2001-2012.	4.1	13
434	Direct recovery of malate dehydrogenase from highly turbid yeast cell homogenate using dye-ligand affinity chromatography in stirred fluidized bed. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1100-1101, 65-75.	2.3	13
435	Reverse Micellar System in Protein Recovery - A Review of the Latest Developments. <i>Current Protein and Peptide Science</i> , 2019, 20, 1012-1026.	1.4	13
436	Liquid Biphasic Systems for Oil-Rich Algae Bioproducts Processing. <i>Sustainability</i> , 2019, 11, 4682.	3.2	13
437	Examination of indigenous microalgal species for maximal protein synthesis. <i>Biochemical Engineering Journal</i> , 2020, 154, 107425.	3.6	13
438	Synthetic dyes removal by <i>Fusarium oxysporum</i> HUIB02 and stimulation effect on laccase accumulation. <i>Environmental Technology and Innovation</i> , 2020, 19, 101027.	6.1	13
439	Conceptual design of a hybrid thin layer cascade photobioreactor for microalgal biodiesel synthesis. <i>International Journal of Energy Research</i> , 2020, 44, 9757-9771.	4.5	13
440	Removal of dye waste by weak cation-exchange nanofiber membrane immobilized with waste egg white proteins. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2494-2507.	7.5	13
441	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.	2.8	13
442	A One-Pot Ultrasound-Assisted Almond Skin Separation/Polyphenols Extraction and its Effects on Structure, Polyphenols, Lipids, and Proteins Quality. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3628.	2.5	13
443	Utilization of microalgae for self-regulation of extracellular polymeric substance production. <i>Biochemical Engineering Journal</i> , 2020, 159, 107616.	3.6	13
444	The Influence of COVID-19 on Global CO <sub>2</sub> Emissions and Climate Change: A Perspective from Malaysia. <i>Sustainability</i> , 2021, 13, 8461.	3.2	13
445	Characterization halotolerant lactic acid bacteria <i>Pediococcus pentosaceus</i> HN10 and in vivo evaluation for bacterial pathogens inhibition. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 168, 108576.	3.6	13
446	Sustainable fermentation approach for biogenic hydrogen productivity from delignified sugarcane bagasse. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37343-37358.	7.1	13
447	A system dynamics approach to pollution remediation and mitigation based on increasing the share of renewable resources. <i>Environmental Research</i> , 2022, 205, 112458.	7.5	13
448	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.	5.6	13
449	Current advances in recovery and biorefinery of fucoxanthin from <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2022, 65, 102735.	4.6	13
450	Template-based textural modifications of polymeric graphitic carbon nitrides towards waste water treatment. <i>Chemosphere</i> , 2022, 302, 134792.	8.2	13

#	ARTICLE	IF	CITATIONS
451	Production of lipids biosynthesis from <i>Tetrademus nygaardii</i> microalgae as a feedstock for biodiesel production. <i>Fuel</i> , 2022, 326, 124985.	6.4	13
452	Molecular connections of obesity and aging: a focus on adipose protein 53 and retinoblastoma protein. <i>Biogerontology</i> , 2017, 18, 321-332.	3.9	12
453	Sustainable approach in phlorotannin recovery from macroalgae. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 220-225.	2.2	12
454	Unlocking the Secret of Bio-additive Components in Rubber Compounding in Processing Quality Nitrile Glove. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1-28.	2.9	12
455	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
456	Selection, purification, and evaluation of acarbose <sup>®</sup> an $\alpha$ -glucosidase inhibitor from <i>Actinoplanes</i> sp.. <i>Chemosphere</i> , 2021, 265, 129167.	8.2	12
457	Cumulative impact assessment of hazardous ionic liquids towards aquatic species using risk assessment methods. <i>Journal of Hazardous Materials</i> , 2021, 415, 125364.	12.4	12
458	Development of environmentally friendly biological algicide and biochemical analysis of inhibitory effect of diatom <i>Skeletonema costatum</i> . <i>Chinese Chemical Letters</i> , 2022, 33, 1358-1364.	9.0	12
459	A review on sensing and catalytic activity of nano-catalyst for synthesis of one-step ammonia and urea: Challenges and perspectives. <i>Chemosphere</i> , 2022, 291, 132806.	8.2	12
460	Extraction of fucoxanthin from <i>Chaetoceros calcitrans</i> by electropermeabilization-assisted liquid biphasic flotation system. <i>Journal of Chromatography A</i> , 2022, 1668, 462915.	3.7	12
461	Oxidative torrefaction of microalga <i>Nannochloropsis Oceanica</i> activated by potassium carbonate for solid biofuel production. <i>Environmental Research</i> , 2022, 212, 113389.	7.5	12
462	Purification of the Recombinant Green Fluorescent Protein Using Aqueous Two-Phase System Composed of Recyclable CO <sub>2</sub> -Based Alkyl Carbamate Ionic Liquid. <i>Frontiers in Chemistry</i> , 2018, 6, 529.	3.6	11
463	Green technologies: innovations, challenges, and prospects. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1939-1939.	4.1	11
464	Modulation of sustained fear by transcranial direct current stimulation (tDCS) of the right inferior frontal cortex (rIFC). <i>Biological Psychology</i> , 2018, 139, 173-177.	2.2	11
465	A Sugarcane-Bagasse-Based Adsorbent Employed for Mitigating Eutrophication Threats and Producing Biodiesel Simultaneously. <i>Processes</i> , 2019, 7, 572.	2.8	11
466	Liquid Biphasic Electric Partitioning System as a Novel Integration Process for Betacyanins Extraction From Red-Purple Pitaya and Antioxidant Properties Assessment. <i>Frontiers in Chemistry</i> , 2019, 7, 201.	3.6	11
467	Basilar artery thrombectomy: assessment of outcome and identification of prognostic factors. <i>Acta Neurologica Belgica</i> , 2020, 120, 99-105.	1.1	11
468	An evaluation of thermal characteristics of bacterium <i>Actinobacillus succinogenes</i> for energy use and circular bioeconomy. <i>Bioresource Technology</i> , 2020, 301, 122774.	9.6	11

#	ARTICLE	IF	CITATIONS
469	Hydrothermally extraction of saponin from <i>Acanthophyllum glandulosum</i> root – Physico-chemical characteristics and antibacterial activity evaluation. <i>Biotechnology Reports (Amsterdam)</i> , Tj ETQq1 1 0.784314 rgBT.4Overloda 10 Tf 50	3.4	10
470	Microwave radiation-induced grafting of 2-methacryloyloxyethyl trimethyl ammonium chloride onto lentil extract (LE-g-DMC) as an emerging high-performance plant-based grafted coagulant. <i>Scientific Reports</i> , 2020, 10, 3959.	3.3	11
471	Green bioprocessing of protein from <i>Chlorella vulgaris</i> microalgae towards circular bioeconomy. <i>Bioresource Technology</i> , 2021, 333, 125197.	9.6	11
472	Advanced green bioprocess of soil carbohydrate extraction from long-term conversion of forest soil to paddy field. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106021.	6.7	11
473	Interferences of Waxes on Enzymatic Saccharification and Ethanol Production from Lignocellulose Biomass. <i>Bioengineering</i> , 2021, 8, 171.	3.5	11
474	Fermentation and Storage Characteristics of –Fuji– Apple Juice Using <i>Lactobacillus acidophilus</i> , <i>Lactobacillus casei</i> and <i>Lactobacillus plantarum</i> : Microbial Growth, Metabolism of Bioactives and in vitro Bioactivities. <i>Frontiers in Nutrition</i> , 2022, 9, 833906.	3.7	11
475	The Removal of Metallic Single-Walled Carbon Nanotubes Using an Aqueous Two-Phase System. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3398-3402.	0.9	10
476	Zoonotic diseases from birds to humans in Vietnam: possible diseases and their associated risk factors. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1047-1058.	2.9	10
477	Recent advancement in deoxygenation of fatty acids via homogeneous catalysis for biofuel production. <i>Molecular Catalysis</i> , 2022, 523, 111207.	2.0	10
478	Purification of lysozyme from chicken egg white by high-density cation exchange adsorbents in stirred fluidized bed adsorption system. <i>Food Chemistry</i> , 2021, 343, 128543.	8.2	10
479	Prospects of Palm Fruit Extraction Technology: Palm Oil Recovery Processes and Quality Enhancement. <i>Food Reviews International</i> , 2022, 38, 893-920.	8.4	10
480	Oxidative torrefaction performance of microalga <i>Nannochloropsis Oceanica</i> towards an upgraded microalgal solid biofuel. <i>Journal of Biotechnology</i> , 2021, 338, 81-90.	3.8	10
481	Biodegradation and Detoxification of Malachite Green Dye by Extracellular Laccase Expressed from <i>Fusarium oxysporum</i> . <i>Waste and Biomass Valorization</i> , 2022, 13, 2511-2518.	3.4	10
482	Protoporphyrin Extracted from Biomass Waste as Sustainable Corrosion Inhibitors of T22 Carbon Steel in Acidic Environments. <i>Sustainability</i> , 2022, 14, 3622.	3.2	10
483	In silico proteolysis and molecular interaction of tilapia ( <i>Oreochromis niloticus</i> ) skin collagen-derived peptides for environmental remediation. <i>Environmental Research</i> , 2022, 212, 113002.	7.5	10
484	Cell source, differentiation, functional stimulation, and potential application of human thermogenic adipocytes in vitro. <i>Journal of Physiology and Biochemistry</i> , 2016, 73, 315-321.	3.0	9
485	A versatile and economical method for the release of recombinant proteins from <i>Escherichia coli</i> by 1-propanol cell disruption. <i>RSC Advances</i> , 2016, 6, 62291-62297.	3.6	9
486	Recent Developments of Reverse Micellar Techniques for Lysozyme, Bovine Serum Albumin, and Bromelain Extraction. <i>Molecular Biotechnology</i> , 2019, 61, 715-724.	2.4	9

#	ARTICLE	IF	CITATIONS
487	Factors Affecting the Performance of Membrane Osmotic Processes for Bioenergy Development. <i>Energies</i> , 2020, 13, 481.	3.1	9
488	Primary capture of <i>Bacillus subtilis</i> xylanase from crude feedstock using alcohol/salt liquid biphasic flotation. <i>Biochemical Engineering Journal</i> , 2021, 165, 107835.	3.6	9
489	Comparison of <i>Nigella sativa</i> and <i>Trachyspermum ammi</i> via experimental investigation and biotechnological potential. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 161, 108313.	3.6	9
490	Torrefaction Thermogravimetric Analysis and Kinetics of Sorghum Distilled Residue for Sustainable Fuel Production. <i>Sustainability</i> , 2021, 13, 4246.	3.2	9
491	Experimental and simulation study on high-pressure V-L-S cryogenic hybrid network for CO <sub>2</sub> capture from highly sour natural gas. <i>Chemical Engineering Research and Design</i> , 2021, 150, 36-50.	5.6	9
492	Design of cascade analysis for renewable and waste heat recovery in a solar thermal regeneration unit of a liquid desiccant dehumidification system. <i>Energy</i> , 2021, 235, 121284.	8.8	9
493	Sequential phenolic acid co-pigmentation pretreatment and contact ultrasound-assisted air drying to intensify blackberry drying and enhance anthocyanin retention: A study on mass transfer and phenolic distribution. <i>Ultrasonics Sonochemistry</i> , 2021, 80, 105788.	8.2	9
494	Exploring the Potential of Stem Cell-Based Therapy for Aesthetic and Plastic Surgery. <i>IEEE Reviews in Biomedical Engineering</i> , 2023, 16, 386-402.	18.0	9
495	Synthesis of mesoporous antimicrobial herbal nanomaterial-carrier for silver nanoparticles and antimicrobial sensing. <i>Food and Chemical Toxicology</i> , 2022, 165, 113077.	3.6	9
496	Enhanced photoautotrophic growth of <i>Chlorella vulgaris</i> in starch wastewater through photo-regulation strategy. <i>Chemosphere</i> , 2022, 307, 135533.	8.2	9
497	Characterization of partitioning behaviors of immunoglobulin G in polymer-salt aqueous two-phase systems. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 613-619.	2.2	8
498	Biodiesel From Microalgae. , 2019, , 601-628.		8
499	Ultrasound-Enhanced Hot Air Drying of Germinated Highland Barley Seeds: Drying Characteristics, Microstructure, and Bioactive Profile. <i>AgriEngineering</i> , 2019, 1, 496-510.	3.2	8
500	Optimization of isoflavones extraction from soybeans using full factorial design. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14078.	2.0	8
501	Transcription Factor ChbZIP1 from Alkaliphilic Microalgae <i>Chlorella</i> sp. BLD Enhancing Alkaline Tolerance in Transgenic <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2387.	4.1	8
502	Isolation and characterization of a novel <i>Lactobacillus plantarum</i> MMB-07 from traditional Suanyu for <i>Acanthogobius hasta</i> fermentation. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 161-166.	2.2	8
503	Development of an extended model for the permeation of environmentally hazardous CO <sub>2</sub> gas across asymmetric hollow fiber composite membranes. <i>Journal of Hazardous Materials</i> , 2021, 417, 126000.	12.4	8
504	Adsorption of Methylene Blue on the Composite Sorbent Based on Bentonite-Like Clay and Hydroxyapatite. <i>Indonesian Journal of Chemistry</i> , 2018, 18, 733.	0.8	8

#	ARTICLE	IF	CITATIONS
505	Recuperation and characterization of calcium carbonate from residual oyster and clamshells and their incorporation into a residential finish. <i>Chemosphere</i> , 2022, 288, 132550.	8.2	8
506	Latest Advances in Protein-Recovery Technologies from Agricultural Waste. <i>Foods</i> , 2021, 10, 2748.	4.3	8
507	Downstream processing of virus-like particles with aqueous two-phase systems: Applications and challenges. <i>Journal of Separation Science</i> , 2022, 45, 2064-2076.	2.5	8
508	Isolation of indole-3-acetic acid-producing <i>Azospirillum brasilense</i> from Vietnamese wet rice: Co-immobilization of isolate and microalgae as a sustainable biorefinery. <i>Journal of Biotechnology</i> , 2022, 349, 12-20.	3.8	8
509	Efficient enzyme-catalysed transesterification of microalgal biomass from <i>Chlamydomonas</i> sp.. <i>Energy</i> , 2016, 116, 1370-1373.	8.8	7
510	Biofuels from Microbial Lipids. <i>Green Energy and Technology</i> , 2018, , 359-388.	0.6	7
511	Statistical Design of Experimental and Bootstrap Neural Network Modelling Approach for Thermoseparating Aqueous Two-Phase Extraction of Polyhydroxyalkanoates. <i>Polymers</i> , 2018, 10, 132.	4.5	7
512	Hydrogen fermentation of organic wastewater with high ammonium concentration via electro dialysis system. <i>Bioresource Technology</i> , 2019, 288, 121560.	9.6	7
513	Zika virus in Vietnam, Laos, and Cambodia: are there health risks for travelers?. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1585-1590.	2.9	7
514	Determination of Dissolved CO <sub>2</sub> Concentration in Culture Media: Evaluation of pH Value and Mathematical Data. <i>Processes</i> , 2020, 8, 1373.	2.8	7
515	Application of a Liquid Biphasic Flotation (LBF) System for Protein Extraction from <i>Persiscaria Tenulla</i> Leaf. <i>Processes</i> , 2020, 8, 247.	2.8	7
516	Hypertension in a mountainous province of Vietnam: prevalence and risk factors. <i>Heliyon</i> , 2020, 6, e03383.	3.2	7
517	Response Surface Methodology Routed Optimization of Performance of Hydroxy Gas Enriched Diesel Fuel in Compression Ignition Engines. <i>Processes</i> , 2021, 9, 1355.	2.8	7
518	Soil mineralization as effects of plant growth promoting bacteria isolated from microalgae in wastewater and rice straw application in a long-term paddy rice in Central Viet Nam. <i>Environmental Technology and Innovation</i> , 2021, 24, 101982.	6.1	7
519	Recent advances in lignocellulosic biomass refinery. <i>Bioresource Technology</i> , 2022, 347, 126735.	9.6	7
520	Hydrodynamic Cavitation: A Novel Non-Thermal Liquid Food Processing Technology. <i>Frontiers in Nutrition</i> , 2022, 9, 843808.	3.7	7
521	The role of restaurant wastewater for producing bioenergy towards a circular bioeconomy: A review on composition, environmental impacts, and sustainable integrated management. <i>Environmental Research</i> , 2022, 214, 113854.	7.5	7
522	Optimization and experimental analysis of sustainable solar collector efficiency under the influence of magnetic nanofluids. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3859-3870.	3.1	7

#	ARTICLE	IF	CITATIONS
523	Betacyanins extraction from <i>Hylocereus polyrhizus</i> using alcohol/salt-based liquid biphasic partitioning system and antioxidant activity evaluation. <i>Separation Science and Technology</i> , 2019, 54, 747-758.	2.5	6
524	Discovery of $\beta$ -Glucosidase Inhibitors from Marine Microorganisms: Optimization of Culture Conditions and Medium Composition. <i>Molecular Biotechnology</i> , 2021, 63, 1004-1015.	2.4	6
525	Characterization of bacteria type strain <i>Bacillus</i> spp isolated from extracellular polymeric substance harvested in seafood wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 0, , .	3.2	6
526	Self-healing epoxy coating synthesis by embedment of metal 2-methyl imidazole and acetylacetonate complexes with microcapsules. <i>Chemosphere</i> , 2021, 285, 131492.	8.2	6
527	<i>Cannabis sativa</i> L. chemical compositions as potential plasmodium falciparum dihydrofolate reductase-thymidinesynthase enzyme inhibitors: An <i>in silico</i> study for drug development. <i>Open Chemistry</i> , 2021, 19, 1235-1241.	1.9	6
528	<i>Porphyra yezoensis</i> Sauces Fermented With Lactic Acid Bacteria: Fermentation Properties, Flavor Profile, and Evaluation of Antioxidant Capacity <i>in vitro</i> . <i>Frontiers in Nutrition</i> , 2021, 8, 810460.	3.7	6
529	Environmental analysis of <i>Chlorella vulgaris</i> cultivation in large scale closed system under waste nutrient source. <i>Chemical Engineering Journal</i> , 2022, 433, 134254.	12.7	6
530	Lentil waste as novel natural coagulant for agricultural wastewater treatment. <i>Water Science and Technology</i> , 2020, 82, 1833-1847.	2.5	5
531	Effects of freezing and thermal pretreatments on drying of <i>Vaccinium bracteatum</i> Thunb leaves: Drying mechanism, physicochemical properties and ability to dye glutinous rices. <i>Food and Bioproducts Processing</i> , 2020, 122, 1-12.	3.6	5
532	Potential Pathway that Could Treat Coronaviruses (COVID-19). <i>Current Biochemical Engineering</i> , 2020, 6, 3-4.	1.3	5
533	Sustainable cultivation via waste soybean extract for higher vaccenic acid production by purple non-sulfur bacteria. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 103-112.	4.1	5
534	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.	0.3	5
535	Enhanced production of non-edible <i>Xanthium spinosum</i> -based biodiesel using waste biomass under dynamic conditions. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	5
536	Recent Development of Renewable Diesel Production Using Bimetallic Catalysts. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	5
537	Green synthesized nano-cellulose polyethylene imine-based biological membrane. <i>Food and Chemical Toxicology</i> , 2022, 160, 112773.	3.6	5
538	Utilization of Aerobic Compression Composting Technology on Raw Mushroom Waste for Bioenergy Pellets Production. <i>Processes</i> , 2022, 10, 463.	2.8	5
539	Recent approaches on the optimization of biomass gasification process parameters for product H <sub>2</sub> and syngas ratio: a review. <i>Environment, Development and Sustainability</i> , 0, , 1.	5.0	5
540	A homologous stem cell therapy for obesity and its related metabolic disorders. <i>Medical Hypotheses</i> , 2017, 103, 26-28.	1.5	4

#	ARTICLE	IF	CITATIONS
541	Extractive Bioconversion of Gamma-Cyclodextrin and Recycling of Cyclodextrin Glycosyltransferase in Liquid Biphasic System Using Thermo-Separating Polymer. <i>Frontiers in Chemistry</i> , 2018, 6, 448.	3.6	4
542	Cell Separation and Disruption, Product Recovery, and Purification. <i>Learning Materials in Biosciences</i> , 2019, , 237-271.	0.4	4
543	Exploring the potency of integrating semi-batch operation into lipid yield performance of <i>Chlamydomonas</i> sp. Tai-03. <i>Bioresource Technology</i> , 2019, 285, 121331.	9.6	4
544	Kinetics of photocatalytic degradation of gaseous <i>p</i> -xylene on $\text{TiO}_2/\text{NH}_2$ and $\text{LaFeO}_3$ thin films under combined illumination of ultraviolet and visible lights. <i>International Journal of Chemical Kinetics</i> , 2020, 52, 35-51.	1.6	4
545	Hygro-Thermo-Mechanical Responses of Balsa Wood Core Sandwich Composite Beam Exposed to Fire. <i>Processes</i> , 2020, 8, 103.	2.8	4
546	Structure-selectivity relationship of a zirconia-based heterogeneous acid catalyst in the production of green mono- and dioleate product. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 19-29.	4.1	4
547	Recent Progress in Harvest and Recovery Techniques of Mammalian and Algae Cells for Industries. <i>Indian Journal of Microbiology</i> , 2021, 61, 279-282.	2.7	4
548	Significance of Industry 5.0. , 2021, , 95-114.		4
549	Oxidative Extractive Desulfurization System for Fuel Oil Using Acidic Eutectic-Based Ionic Liquid. <i>Processes</i> , 2021, 9, 1050.	2.8	4
550	Green biorefinery: Microalgae-bacteria microbiome on tolerance investigations in plants. <i>Journal of Biotechnology</i> , 2022, 343, 120-127.	3.8	4
551	Adapting microalgae-based strategies for sustainable green cities. <i>Biotechnology Journal</i> , 2022, 17, e2100586.	3.5	4
552	Sustainable management of algal blooms in ponds and rivers. , 2022, , 431-444.		4
553	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. <i>Biomass and Bioenergy</i> , 2022, 159, 106412.	5.7	4
554	Biogas Production Through Mono- and Co-digestion of Pineapple Waste and Cow Dung at Different Substrate Ratios. <i>Bioenergy Research</i> , 0, , .	3.9	4
555	The concept of two-dimensional electrophoresis-guided purification proven by isolation of rhodocetin from <i>Calloselasma rhodostoma</i> (Malayan pit viper). <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2011, 17, 442-450.	1.4	3
556	Developments in Fermentative Butanol Production as an Alternative Biofuel Source. <i>Journal of Energy Resources Technology</i> , Transactions of the ASME, 2018, 140, .	2.3	3
557	Potential Cultivation of <i>Lactobacillus pentosus</i> from Human Breastmilk with Rapid Monitoring through the Spectrophotometer Method. <i>Processes</i> , 2020, 8, 902.	2.8	3
558	Heterotrophic and Mixotrophic Cultivation of <i>Chlorella vulgaris</i> using Chicken Waste Compost as Nutrients Source for Lipid Production. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 721, 012011.	0.3	3



#	ARTICLE	IF	CITATIONS
559	Use of chicken feathers as potential adsorbent for the reclamation of industrial lean methyl diethanolamine solutions. <i>Separation Science and Technology</i> , 2022, 57, 372-387.	2.5	3
560	Green Energy Technology. <i>Energies</i> , 2021, 14, 6842.	3.1	3
561	Biovalorization of agro-industrial waste soybean meal for the production of prodigiosin by <i>Serratia marcescens</i> . <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	3
562	Towards green recovery of Î²-amylase from slurry of sweet potato ( <i>Ipomoea batatas</i> ) of VitAto variety via liquid biphasic system. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100579.	3.3	3
563	Advanced Food Process Technologies: Bridging Conventional Practices to Industry 4.0. <i>Current Nutrition and Food Science</i> , 2020, 16, 1286-1286.	0.6	3
564	Influence of sequential exogenous pretreatment and contact ultrasound-assisted air drying on the metabolic pathway of glucoraphanin in broccoli florets. <i>Ultrasonics Sonochemistry</i> , 2022, 84, 105977.	8.2	3
565	Evaluation of dental arch dimensions in 12 year-old Vietnamese children - A cross-sectional study of 4565 subjects. <i>Scientific Reports</i> , 2019, 9, 3101.	3.3	2
566	Factors affecting pollutants removal and biomass production capability of <i>Chlorella variabilis</i> TH03 in domestic wastewater. <i>Materials Science for Energy Technologies</i> , 2020, 3, 545-558.	1.8	2
567	Special Issue on "Biotechnology for Sustainability and Social Well Being" Processes, 2021, 9, 216.	2.8	2
568	Description and detection of excludons as transcriptional regulators in gram-positive, gram-negative and archaeal strains of prokaryotes. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 32, 101933.	3.1	2
569	State-of-the-Art Technologies in Industry 5.0. , 2021, , 257-286.		2
570	Stability evaluation and formula optimization of cellulose-based scaffold for the air-liquid interface cultivation of <i>Navicula incerta</i> . <i>Environmental Research</i> , 2021, 199, 111298.	7.5	2
571	Indigenous Materials as Catalyst Supports for Renewable Diesel Production in Malaysia. <i>Energies</i> , 2022, 15, 2835.	3.1	2
572	Air-liquid interface cultivation of <i>Navicula incerta</i> using hollow fiber membranes. <i>Chemosphere</i> , 2022, 307, 135625.	8.2	2
573	Bioactives from Plant Food Processing Wastes: Ultrasonic Approaches to Valuable Chemicals. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 145-170.	0.7	1
574	Environmental management of two of the world's most endangered marine and terrestrial predators: Vaquita and cheetah. <i>Environmental Research</i> , 2020, 190, 109966.	7.5	1
575	Special Issue "Green Technologies: Bridging Conventional Practices and Industry 4.0" Processes, 2020, 8, 552.	2.8	1
576	Sound Velocity and Elastic Moduli of Superconducting and Non-superconducting NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-Î</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 43-47.	1.8	1

#	ARTICLE	IF	CITATIONS
577	Sustainability and Development of Industry 5.0. , 2021, , 287-304.		1
578	Biotechnology and sustainable environmental health management. Chemosphere, 2022, 291, 132798.	8.2	1
579	Microalgae as a potential sustainable solution to environment health. Chemosphere, 2022, 295, 133740.	8.2	1
580	Extractive bioconversion of gamma-cyclodextrin and recycling of cyclodextrin glycosyltransferase in aqueous two-phase system. New Biotechnology, 2016, 33, S112.	4.4	0
581	Latent Potential of Microalgal Biomass: Research Efforts and Challenges. , 2017, , 107-119.		0
582	Special issue on algae bioprocess engineering. Bioengineered, 2020, 11, 188-188.	3.2	0
583	Meet the Associate Editor. Current Biochemical Engineering, 2020, 6, 2-2.	1.3	0
584	Integration of semi-batch cultivation and extraction for maximal lipid production in Chlamydomonas sp. Tai-03. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012101.	0.3	0
585	Ultrasound-assisted liquid biphasic system. , 2021, , 149-166.		0
586	Electricity-assisted liquid biphasic system. , 2021, , 187-204.		0
587	Flotation-assisted liquid biphasic system. , 2021, , 105-126.		0
588	Polymer-based liquid biphasic system. , 2021, , 17-37.		0
589	Industrial Perspective of Industry 5.0. , 2021, , 305-310.		0
590	Application of Industry 5.0 in the Production of Fine Chemicals and Biopolymers. , 2021, , 229-256.		0
591	Associated Factors with the Success Rate of Laparoscopic Surgery for Fallopian Tubal Occlusion in Vietnamese Infertile Women. Electronic Journal of General Medicine, 2021, 18, em298.	0.7	0
592	Medicine and Pharmaceuticals Biomanufacturing “ Industry 5.0. , 2021, , 135-160.		0
593	Editorial: Innovative Technology and System Integration for Gaseous Biofuels Production. Frontiers in Energy Research, 2021, 9, .	2.3	0
594	Extractive bioconversion liquid biphasic system. , 2021, , 243-262.		0

#	ARTICLE	IF	CITATIONS
595	Organic solvent-based liquid biphasic system. , 2021, , 39-50.		0
596	Adjuvants in the liquid biphasic system. , 2021, , 85-104.		0
597	Extractive cell disruption liquid biphasic system. , 2021, , 205-221.		0
598	Meet the Editor-in-Chief. Current Nutrition and Food Science, 2022, 18, 2-3.	0.6	0
599	Special Issue on "New Processes: Working towards a Sustainable Society", Processes, 2022, 10, 869.	2.8	0