

Pau-Loke Show

List of Publications by Year in descending order

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599
papers

30,622
citations

5896

81
h-index

11308

136
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616
all docs

616
docs citations

616
times ranked

19436
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent advancement in deoxygenation of fatty acids via homogeneous catalysis for biofuel production. <i>Molecular Catalysis</i> , 2022, 523, 111207.	2.0	10
3	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
4	How far have we explored fungi to fight cancer?. <i>Seminars in Cancer Biology</i> , 2022, 86, 976-989.	9.6	53
5	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
6	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
7	How does the Internet of Things (IoT) help in microalgae biorefinery?. <i>Biotechnology Advances</i> , 2022, 54, 107819.	11.7	45
8	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
9	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
10	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. <i>Environmental Research</i> , 2022, 204, 111966.	7.5	86
11	Treatment of Hospital wastewater with submerged aerobic fixed film reactor coupled with tube-settler. <i>Chemosphere</i> , 2022, 286, 131838.	8.2	15
12	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/Al ₂ O ₃ catalysts. <i>Chemosphere</i> , 2022, 287, 132224.	8.2	18
13	Algae as potential feedstock for various bioenergy production. <i>Chemosphere</i> , 2022, 287, 131944.	8.2	33
14	Challenges and recent trends with the development of hydrogel fiber for biomedical applications. <i>Chemosphere</i> , 2022, 287, 131956.	8.2	18
15	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
16	Biologically-mediated carbon capture and utilization by microalgae towards sustainable CO ₂ biofixation and biomass valorization – A review. <i>Chemical Engineering Journal</i> , 2022, 427, 130884.	12.7	192
17	Multi-objective optimization of thermophysical properties of multiwalled carbon nanotubes based nanofluids. <i>Chemosphere</i> , 2022, 286, 131690.	8.2	20
18	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. <i>Chemosphere</i> , 2022, 287, 132369.	8.2	246

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19	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
20	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
21	Phyllosilicate derived catalysts for efficient conversion of lignocellulosic derived biomass to biodiesel: A review. <i>Bioresource Technology</i> , 2022, 343, 126068.	9.6	45
22	Recent advances in hydrodynamic cavitation-based pretreatments of lignocellulosic biomass for valorization. <i>Bioresource Technology</i> , 2022, 345, 126251.	9.6	43
23	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
24	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
25	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
26	Biotechnology and sustainable environmental health management. <i>Chemosphere</i> , 2022, 291, 132798.	8.2	1
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Sustainable valorization of algae biomass via thermochemical processing route: An overview. <i>Bioresource Technology</i> , 2022, 344, 126399.	9.6	38
36	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

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37	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
38	Towards green recovery of α -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
39	Green synthesized nano-cellulose polyethylene imine-based biological membrane. <i>Food and Chemical Toxicology</i> , 2022, 160, 112773.	3.6	5
40	Sustainable smart photobioreactor for continuous cultivation of microalgae embedded with Internet of Things. <i>Bioresource Technology</i> , 2022, 346, 126558.	9.6	31
41	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
42	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
43	Microalgae-based bioplastics: Future solution towards mitigation of plastic wastes. <i>Environmental Research</i> , 2022, 206, 112620.	7.5	40
44	Renewable diesel as fossil fuel substitution in Malaysia: A review. <i>Fuel</i> , 2022, 314, 123137.	6.4	49
45	Perovskite oxide for emerging photo(electro)catalysis in energy and environment. <i>Environmental Research</i> , 2022, 205, 112544.	7.5	50
46	Ionic liquids for the inhibition of gas hydrates. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2165-2188.	16.2	17
47	Current Developments in Catalytic Methanation of Carbon Dioxide—A Review. <i>Frontiers in Energy Research</i> , 2022, 9, .	2.3	27
48	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
49	One-Pot Ionic Liquid-Mediated Bioprocess for Pretreatment and Enzymatic Hydrolysis of Rice Straw with Ionic Liquid-Tolerance Bacterial Cellulase. <i>Bioengineering</i> , 2022, 9, 17.	3.5	31
50	Meet the Editor-in-Chief. <i>Current Nutrition and Food Science</i> , 2022, 18, 2-3.	0.6	0
51	Recent advances of natural biopolymeric culture scaffold: synthesis and modification. <i>Bioengineered</i> , 2022, 13, 2226-2247.	3.2	15
52	Sonoproduction of nanobiomaterials — A critical review. <i>Ultrasonics Sonochemistry</i> , 2022, 82, 105887.	8.2	29
53	Algae-mediated antibiotic wastewater treatment: A critical review. <i>Environmental Science and Ecotechnology</i> , 2022, 9, 100145.	13.5	89
54	Green biorefinery: Microalgae-bacteria microbiome on tolerance investigations in plants. <i>Journal of Biotechnology</i> , 2022, 343, 120-127.	3.8	4

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55	Adapting microalgae-based strategies for sustainable green cities. <i>Biotechnology Journal</i> , 2022, 17, e2100586.	3.5	4
56	Microalgae as a potential sustainable solution to environment health. <i>Chemosphere</i> , 2022, 295, 133740.	8.2	1
57	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
58	Recent advances in lignocellulosic biomass refinery. <i>Bioresource Technology</i> , 2022, 347, 126735.	9.6	7
59	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
60	Plant extract-based green fabrication of nickel ferrite (NiFe ₂ O ₄) nanoparticles: An operative platform for non-enzymatic determination of pentachlorophenol. <i>Chemosphere</i> , 2022, 294, 133760.	8.2	35
61	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
62	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
63	Cerium functionalized graphene nano-structures and their applications; A review. <i>Environmental Research</i> , 2022, 208, 112685.	7.5	36
64	Recovery of microalgae biodiesel using liquid biphasic flotation system. <i>Fuel</i> , 2022, 317, 123368.	6.4	15
65	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
66	Development of Cu ₃ N electrocatalyst for hydrogen evolution reaction in alkaline medium. <i>Scientific Reports</i> , 2022, 12, 2004.	3.3	14
67	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
68	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
69	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
70	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
71	Sustainable management of algal blooms in ponds and rivers. , 2022, , 431-444.		4
72	Utilization of Aerobic Compression Composting Technology on Raw Mushroom Waste for Bioenergy Pellets Production. <i>Processes</i> , 2022, 10, 463.	2.8	5

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73	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
74	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
75	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
76	Hydrodynamic Cavitation: A Novel Non-Thermal Liquid Food Processing Technology. <i>Frontiers in Nutrition</i> , 2022, 9, 843808.	3.7	7
77	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
78	Extraction of fucoxanthin from <i>Chaetoceros calcitrans</i> by electroporabilization-assisted liquid biphasic flotation system. <i>Journal of Chromatography A</i> , 2022, 1668, 462915.	3.7	12
79	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
80	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
81	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
82	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
83	Smart microalgae farming with internet-of-things for sustainable agriculture. <i>Biotechnology Advances</i> , 2022, 57, 107931.	11.7	47
84	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
85	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
86	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
87	Recent advances of biosurfactant for waste and pollution bioremediation: Substitutions of petroleum-based surfactants. <i>Environmental Research</i> , 2022, 212, 113126.	7.5	26
88	Indigenous Materials as Catalyst Supports for Renewable Diesel Production in Malaysia. <i>Energies</i> , 2022, 15, 2835.	3.1	2
89	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
90	A comprehensive review on the use of algal-bacterial systems for wastewater treatment with emphasis on nutrient and micropollutant removal. <i>Bioengineered</i> , 2022, 13, 10412-10453.	3.2	48

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91	Progress and Recent Trends in the Application of Nanoparticles as Low Carbon Fuel Additivesâ€”A State of the Art Review. <i>Nanomaterials</i> , 2022, 12, 1515.	4.1	14
92	Special Issue on â€œNew Processes: Working towards a Sustainable Societyâ€• <i>Processes</i> , 2022, 10, 869.	2.8	0
93	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
94	Current advances in recovery and biorefinery of fucoxanthin from <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2022, 65, 102735.	4.6	13
95	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
96	Biochar production with amelioration of microwave-assisted pyrolysis: Current scenario, drawbacks and perspectives. <i>Bioresource Technology</i> , 2022, 355, 127303.	9.6	50
97	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
98	Template-based textural modifications of polymeric graphitic carbon nitrides towards waste water treatment. <i>Chemosphere</i> , 2022, 302, 134792.	8.2	13
99	Global market and economic analysis of microalgae technology: Status and perspectives. <i>Bioresource Technology</i> , 2022, 357, 127329.	9.6	37
100	Biodegradation of crude oil in seawater by using a consortium of symbiotic bacteria. <i>Environmental Research</i> , 2022, 213, 113721.	7.5	53
101	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
102	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
103	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
104	Air-liquid interface cultivation of <i>Navicula incerta</i> using hollow fiber membranes. <i>Chemosphere</i> , 2022, 307, 135625.	8.2	2
105	Enhanced photoautotrophic growth of <i>Chlorella vulgaris</i> in starch wastewater through photo-regulation strategy. <i>Chemosphere</i> , 2022, 307, 135533.	8.2	9
106	Recent advances in the analytical strategies of microbial biosensor for detection of pollutants. <i>Chemosphere</i> , 2022, 306, 135515.	8.2	23
107	Structureâ€”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
108	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

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109	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
110	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
111	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
112	Sustainable membrane technology for resource recovery from wastewater: Forward osmosis and pressure retarded osmosis. <i>Journal of Water Process Engineering</i> , 2021, 39, 101758.	5.6	31
113	Biosorption potential of Phoenix dactylifera coir wastes for toxic hexavalent chromium sequestration. <i>Chemosphere</i> , 2021, 268, 128809.	8.2	54
114	Encapsulation of bioactive polyphenols by starch and their impacts on gut microbiota. <i>Current Opinion in Food Science</i> , 2021, 38, 102-111.	8.0	30
115	Permeabilization of Chlorella sorokiniana and extraction of lutein by distillable CO ₂ -based alkyl carbamate ionic liquids. <i>Separation and Purification Technology</i> , 2021, 256, 117471.	7.9	36
116	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
117	Green synthesis of zinc oxide nanoparticles using Phoenix dactylifera 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
118	Ferric oxide/date seed activated carbon nanocomposites mediated dark fermentation of date fruit wastes for enriched biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16631-16643.	7.1	60
119	Progress in waste valorization using advanced pyrolysis techniques for hydrogen and gaseous fuel production. <i>Bioresource Technology</i> , 2021, 320, 124299.	9.6	104
120	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
121	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
122	Selection, purification, and evaluation of acarbose an Î±-glucosidase inhibitor from Actinoplanes sp.. <i>Chemosphere</i> , 2021, 265, 129167.	8.2	12
123	Multifaceted roles of microalgae in the application of wastewater biotreatment: A review. <i>Environmental Pollution</i> , 2021, 269, 116236.	7.5	231
124	Sound Velocity and Elastic Moduli of Superconducting and Non-superconducting NdBa ₂ Cu ₃ O _{7-Î´} . <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 43-47.	1.8	1
125	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
126	Bioprocessing of Chaetoceros calcitrans for the recovery of fucoxanthin using CO ₂ -based alkyl carbamate ionic liquids. <i>Bioresource Technology</i> , 2021, 322, 124520.	9.6	28

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127	High-performance and stable Ru-Pd nanosphere catalyst supported on two-dimensional boron nitride nanosheets for the hydrogenation of furfural via water-mediated protonation. <i>Fuel</i> , 2021, 290, 119826.	6.4	31
128	Microalgae cultivation in wastewater and potential processing strategies using solvent and membrane separation technologies. <i>Journal of Water Process Engineering</i> , 2021, 39, 101701.	5.6	45
129	How does ionic liquid play a role in sustainability of biomass processing?. <i>Journal of Cleaner Production</i> , 2021, 284, 124772.	9.3	51
130	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
131	Metal/metal oxide nanocomposites for bactericidal effect: A review. <i>Chemosphere</i> , 2021, 272, 128607.	8.2	87
132	Augmented biohydrogen production from rice mill wastewater through nano-metal oxides assisted dark fermentation. <i>Bioresource Technology</i> , 2021, 319, 124243.	9.6	74
133	Progress in biomass torrefaction: Principles, applications and challenges. <i>Progress in Energy and Combustion Science</i> , 2021, 82, 100887.	31.2	429
134	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
135	Biogas production from beverage factory wastewater in a mobile bioenergy station. <i>Chemosphere</i> , 2021, 264, 128564.	8.2	17
136	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
137	Techniques of lipid extraction from microalgae for biofuel production: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 231-251.	16.2	61
138	Adsorptive removal of phenol using banyan root activated carbon. <i>Chemical Engineering Communications</i> , 2021, 208, 831-842.	2.6	40
139	Special Issue on "Biotechnology for Sustainability and Social Well Being" Processes, 2021, 9, 216.	2.8	2
140	Ultrasound-assisted liquid biphasic system. , 2021, , 149-166.		0
141	Electricity-assisted liquid biphasic system. , 2021, , 187-204.		0
142	Flotation-assisted liquid biphasic system. , 2021, , 105-126.		0
143	Can algae contribute to the war with Covid-19?. <i>Bioengineered</i> , 2021, 12, 1226-1237.	3.2	31
144	Polymer-based liquid biphasic system. , 2021, , 17-37.		0

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145	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
146	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
147	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
148	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
149	Techniques to improve the stability of biodiesel: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2209-2236.	16.2	43
150	<i>Rhizopus oligosporus</i> -Assisted Valorization of Coconut Endosperm Waste by Black Soldier Fly Larvae for Simultaneous Protein and Lipid to Biodiesel Production. <i>Processes</i> , 2021, 9, 299.	2.8	20
151	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
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598	Recent approaches on the optimization of biomass gasification process parameters for product H ₂ and syngas ratio: a review. <i>Environment, Development and Sustainability</i> , 0, , 1.	5.0	5
599	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