

Pau-Loke Show

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2832369/pau-loke-show-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

582
papers

14,777
citations

59
h-index

93
g-index

613
ext. papers

22,480
ext. citations

6.9
avg, IF

7.8
L-index

#	Paper	IF	Citations
582	Microalgae biorefinery: High value products perspectives. <i>Bioresource Technology</i> , 2017 , 229, 53-62	11	696
581	Microalgae: A potential alternative to health supplementation for humans. <i>Food Science and Human Wellness</i> , 2019 , 8, 16-24	8.3	308
580	Biosequestration of atmospheric CO ₂ and flue gas-containing CO ₂ by microalgae. <i>Bioresource Technology</i> , 2015 , 184, 190-201	11	295
579	Recent developments on algal biochar production and characterization. <i>Bioresource Technology</i> , 2017 , 246, 2-11	11	201
578	Enhancement of food processes by ultrasound: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 570-94	11.5	170
577	Sustainable approaches for algae utilisation in bioenergy production. <i>Renewable Energy</i> , 2018 , 129, 838-852		168
576	A review on conventional and novel materials towards heavy metal adsorption in wastewater treatment application. <i>Journal of Cleaner Production</i> , 2021 , 296, 126589	10.3	166
575	Mango leaf extract incorporated chitosan antioxidant film for active food packaging. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 1234-1243	7.9	148
574	Progress in biomass torrefaction: Principles, applications and challenges. <i>Progress in Energy and Combustion Science</i> , 2021 , 82, 100887	33.6	147
573	Waste to bioenergy: a review on the recent conversion technologies. <i>BMC Energy</i> , 2019 , 1,	6.5	143
572	Potential utilization of bioproducts from microalgae for the quality enhancement of natural products. <i>Bioresource Technology</i> , 2020 , 304, 122997	11	134
571	Ultrasound-assisted extraction of phenolics from wine lees: modeling, optimization and stability of extracts during storage. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 706-15	8.9	134
570	New Prospects for Modified Algae in Heavy Metal Adsorption. <i>Trends in Biotechnology</i> , 2019 , 37, 1255-1268	11.5	132
569	Cultivation in wastewaters for energy: A microalgae platform. <i>Applied Energy</i> , 2016 , 179, 609-625	10.7	131
568	Recent advances in downstream processing of microalgae lipid recovery for biofuel production. <i>Bioresource Technology</i> , 2020 , 304, 122996	11	126
567	Recent advances in biorefinery of astaxanthin from <i>Haematococcus pluvialis</i> . <i>Bioresource Technology</i> , 2019 , 288, 121606	11	124
566	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, 1461-9	8.9	119

565	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	0.7	118
564	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	12.8	116
563	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	10.6	115
562	Technologies for Biogas Upgrading to Biomethane: A Review. <i>Bioengineering</i> , 2019 , 6,	5.3	114
561	Torrefaction, pyrolysis and two-stage thermodegradation of hemicellulose, cellulose and lignin. <i>Fuel</i> , 2019 , 258, 116168	7.1	112
560	Biorefineries of carbon dioxide: From carbon capture and storage (CCS) to bioenergies production. <i>Bioresource Technology</i> , 2016 , 215, 346-356	11	111
559	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	107
558	Microalgae from wastewater treatment to biochar [Feedstock preparation and conversion technologies. <i>Energy Conversion and Management</i> , 2017 , 150, 1-13	10.6	106
557	Multifaceted roles of microalgae in the application of wastewater biotreatment: A review. <i>Environmental Pollution</i> , 2021 , 269, 116236	9.3	105
556	Conventional and emerging technologies for removal of antibiotics from wastewater. <i>Journal of Hazardous Materials</i> , 2020 , 400, 122961	12.8	104
555	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	12.8	104
554	Overview: Comparison of pretreatment technologies and fermentation processes of bioethanol from microalgae. <i>Energy Conversion and Management</i> , 2018 , 173, 81-94	10.6	102
553	Recent advances in the pretreatment of microalgal and lignocellulosic biomass: A comprehensive review. <i>Bioresource Technology</i> , 2020 , 298, 122476	11	102
552	Bromelain: an overview of industrial application and purification strategies. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7283-97	5.7	99
551	Pretreatment methods for lignocellulosic biofuels production: current advances, challenges and future prospects. <i>Biofuel Research Journal</i> , 2020 , 7, 1115-1127	13.9	97
550	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	10.3	97
549	Current trends in polyhydroxyalkanoates (PHAs) biosynthesis: insights from the recombinant <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2014 , 180, 52-65	3.7	94
548	A review on microalgae cultivation and harvesting, and their biomass extraction processing using ionic liquids. <i>Bioengineered</i> , 2020 , 11, 116-129	5.7	92

547	Sustainability of the four generations of biofuels A review. <i>International Journal of Energy Research</i> , 2020 , 44, 9266-9282	4.5	87
546	A Holistic Approach to Managing Microalgae for Biofuel Applications. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	87
545	Bioflocculation formation of microalgae-bacteria in enhancing microalgae harvesting and nutrient removal from wastewater effluent. <i>Bioresource Technology</i> , 2019 , 272, 34-39	11	80
544	Novel approaches of producing bioenergies from microalgae: A recent review. <i>Biotechnology Advances</i> , 2015 , 33, 1219-27	17.8	75
543	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. <i>Bioengineered</i> , 2019 , 10, 574-592	5.7	75
542	Torrefaction of microalgal biochar as potential coal fuel and application as bio-adsorbent. <i>Energy Conversion and Management</i> , 2018 , 165, 152-162	10.6	73
541	Recovery of lipase derived from Burkholderia cenocepacia 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	8.3	73
540	Natural red pigments from plants and their health benefits: A review. <i>Food Reviews International</i> , 2018 , 34, 463-482	5.5	72
539	The COVID-19 pandemic face mask waste: A blooming threat to the marine environment. <i>Chemosphere</i> , 2021 , 272, 129601	8.4	72
538	Enhanced microalgal protein extraction and purification using sustainable microwave-assisted multiphase partitioning technique. <i>Chemical Engineering Journal</i> , 2019 , 367, 1-8	14.7	70
537	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	8.9	69
536	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	12.8	69
535	Direct recovery of lipase derived from Burkholderia cepacia in recycling aqueous two-phase flotation. <i>Separation and Purification Technology</i> , 2011 , 80, 577-584	8.3	68
534	Biological remediation of acid mine drainage: Review of past trends and current outlook. <i>Environmental Science and Ecotechnology</i> , 2020 , 2, 100024	7.4	66
533	Antibacterial activity of quaternized chitosan modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 569-577	7.9	66
532	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	9.3	65
531	Current applications of different type of aqueous two-phase systems. <i>Bioresources and Bioprocessing</i> , 2015 , 2,	5.2	64
530	Extractive fermentation for improved production and recovery of lipase derived from Burkholderia cepacia using a thermoseparating polymer in aqueous two-phase systems. <i>Bioresource Technology</i> , 2012 , 116, 226-33	11	64

529	Date pits activated carbon for divalent lead ions removal. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 128, 88-97	3.3	63
528	Progress and perspective on algal plastics - A critical review. <i>Bioresource Technology</i> , 2019 , 289, 121700	11	63
527	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	6.8	61
526	Transformation of Biomass Waste into Sustainable Organic Fertilizers. <i>Sustainability</i> , 2019 , 11, 2266	3.6	60
525	Food waste compost as an organic nutrient source for the cultivation of <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2018 , 267, 356-362	11	60
524	Analysis of Economic and Environmental Aspects of Microalgae Biorefinery for Biofuels Production: A Review. <i>Biotechnology Journal</i> , 2018 , 13, e1700618	5.6	59
523	Algae biopolymer towards sustainable circular economy. <i>Bioresource Technology</i> , 2021 , 325, 124702	11	59
522	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	10.6	58
521	Biodiesel production using immobilized lipase: feasibility and challenges. <i>Biofuels, Bioproducts and Biorefining</i> , 2016 , 10, 896-916	5.3	58
520	Genetic engineering of microalgae for enhanced biorefinery capabilities. <i>Biotechnology Advances</i> , 2020 , 43, 107554	17.8	57
519	Waste biorefinery towards a sustainable circular bioeconomy: a solution to global issues. <i>Biotechnology for Biofuels</i> , 2021 , 14, 87	7.8	57
518	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. <i>Chemosphere</i> , 2022 , 287, 132369	8.4	56
517	Mild cell disruption methods for bio-functional proteins recovery from microalgae: Recent developments and future perspectives. <i>Algal Research</i> , 2018 , 31, 506-516	5	55
516	Experimental and modeling studies of ultrasound-assisted release of phenolics from oak chips into model wine. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1839-48	8.9	55
515	Recent developments of strontium titanate for photocatalytic water splitting application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14316-14340	6.7	54
514	Biosorption performance of date palm empty fruit bunch wastes for toxic hexavalent chromium removal. <i>Environmental Research</i> , 2020 , 187, 109694	7.9	54
513	Recovery of biotechnological products using aqueous two phase systems. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 273-281	3.3	54
512	Recent Advances in Protein Extraction Using Ionic Liquid-based Aqueous Two-phase Systems. <i>Separation and Purification Reviews</i> , 2017 , 46, 291-304	7.3	52

511	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	7.9	52
510	Recent advances in algae biodiesel production: From upstream cultivation to downstream processing. <i>Bioresource Technology Reports</i> , 2019 , 7, 100227	4.1	52
509	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	6	51
508	An update on obesity: Mental consequences and psychological interventions. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019 , 13, 155-160	8.9	51
507	Effects of acids pre-treatment on the microbial fermentation process for bioethanol production from microalgae. <i>Biotechnology for Biofuels</i> , 2019 , 12, 191	7.8	51
506	Development of polyhydroxyalkanoates production from waste feedstocks and applications. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 282-292	3.3	51
505	Effective treatment of dye polluted wastewater using nanoporous CaCl ₂ modified polyethersulfone membrane. <i>Chemical Engineering Research and Design</i> , 2019 , 124, 266-278	5.5	50
504	Simultaneous removal of toxic ammonia and lettuce cultivation in aquaponic system using microwave pyrolysis biochar. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122610	12.8	50
503	Modified mesoporous HMS supported Ni for deoxygenation of triolein into hydrocarbon-biofuel production. <i>Energy Conversion and Management</i> , 2018 , 165, 495-508	10.6	49
502	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal. <i>Energy Conversion and Management</i> , 2018 , 174, 430-438	10.6	49
501	Integrated ultrasound-assisted liquid biphasic flotation for efficient extraction of astaxanthin from <i>Haematococcus pluvialis</i> . <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105052	8.9	48
500	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, 310-8	8.9	48
499	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	4.2	48
498	Green technology for the industrial production of biofuels and bioproducts from microalgae: a review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1967-1985	13.3	48
497	Kinetics study on hydrolytic dehydrogenation of alkaline sodium borohydride catalyzed by Mo-modified CoB nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 7308-7317	6.7	47
496	Pollutants inducing epigenetic changes and diseases. <i>Environmental Chemistry Letters</i> , 2020 , 18, 325-343	13.3	47
495	Proteins recovery from wet microalgae using liquid biphasic flotation (LBF). <i>Bioresource Technology</i> , 2017 , 244, 1329-1336	11	46
494	Cultivation of Oily Microalgae for the Production of Third-Generation Biofuels. <i>Sustainability</i> , 2019 , 11, 5424	3.6	46

493	Liquid biphasic flotation for the purification of C-phycoyanin from <i>Spirulina platensis</i> microalga. <i>Bioresource Technology</i> , 2019 , 288, 121519	11	46
492	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	8.9	45
491	Single-step disruption and protein recovery from <i>Chlorella vulgaris</i> using ultrasonication and ionic liquid buffer aqueous solutions as extractive solvents. <i>Biochemical Engineering Journal</i> , 2017 , 124, 26-35	4.2	44
490	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	10.3	44
489	Nanomaterials Utilization in Biomass for Biofuel and Bioenergy Production. <i>Energies</i> , 2020 , 13, 892	3.1	44
488	A review of synthesis and morphology of SrTiO ₃ for energy and other applications. <i>International Journal of Energy Research</i> , 2019 , 43, 5151-5174	4.5	43
487	Economic and environmental analysis of PHAs production process. <i>Clean Technologies and Environmental Policy</i> , 2017 , 19, 1941-1953	4.3	43
486	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. <i>Food Chemistry</i> , 2016 , 194, 545-54	8.5	42
485	Aqueous Two-Phase Flotation for the Recovery of Biomolecules. <i>Separation and Purification Reviews</i> , 2016 , 45, 81-92	7.3	42
484	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	5.2	41
483	Evaluating Self-buffering Ionic Liquids for Biotechnological Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3420-3428	8.3	41
482	Improving cell disruption efficiency to facilitate protein release from microalgae using chemical and mechanical integrated method. <i>Biochemical Engineering Journal</i> , 2018 , 135, 83-90	4.2	41
481	Ultrasound assisted adsorption and desorption of blueberry anthocyanins using macroporous resins. <i>Ultrasonics Sonochemistry</i> , 2018 , 48, 311-320	8.9	41
480	Extraction of natural astaxanthin from <i>Haematococcus pluvialis</i> using liquid biphasic flotation system. <i>Bioresource Technology</i> , 2019 , 290, 121794	11	41
479	How far have we explored fungi to fight cancer?. <i>Seminars in Cancer Biology</i> , 2021 ,	12.7	41
478	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	11	40
477	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	8.9	40
476	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection.. <i>Food and Chemical Toxicology</i> , 2022 , 112961	4.7	40

475	Enhanced recovery of lipase derived from Burkholderia cepacia from fermentation broth using recyclable ionic liquid/polymer-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2017 , 179, 152-160	8.3	39
474	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	8.3	39
473	Recovery of human interferon alpha-2b from recombinant <i>Escherichia coli</i> using alcohol/salt-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2013 , 120, 362-366	8.3	39
472	Microalgae for biofuels, wastewater treatment and environmental monitoring. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2891-2904	13.3	39
471	Integration process of fermentation and liquid biphasic flotation for lipase separation from <i>Burkholderia cepacia</i> . <i>Bioresource Technology</i> , 2018 , 250, 306-316	11	39
470	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	2.9	38
469	Natural hydroxyapatite from fishbone waste for the rapid adsorption of heavy metals of aqueous effluent. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101109	7	38
468	Progress in waste valorization using advanced pyrolysis techniques for hydrogen and gaseous fuel production. <i>Bioresource Technology</i> , 2021 , 320, 124299	11	38
467	Surface grafting techniques on the improvement of membrane bioreactor: State-of-the-art advances. <i>Bioresource Technology</i> , 2018 , 269, 489-502	11	37
466	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> , 2021 , 290, 133346	8.4	37
465	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	8.5	37
464	Isolation of C-phycocyanin from <i>Spirulina platensis</i> microalga using ionic liquid based aqueous two-phase system. <i>Bioresource Technology</i> , 2018 , 270, 320-327	11	36
463	The effect of stress environment towards lipid accumulation in microalgae after harvesting. <i>Renewable Energy</i> , 2020 , 154, 1083-1091	8.1	35
462	Bioethanol production from acid pretreated microalgal hydrolysate using microwave-assisted heating wet torrefaction. <i>Fuel</i> , 2020 , 279, 118435	7.1	35
461	Investigation of the Relationship between Bacteria Growth and Lipid Production Cultivating of Microalgae <i>Chlorella Vulgaris</i> in Seafood Wastewater. <i>Energies</i> , 2019 , 12, 2282	3.1	35
460	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	14.7	35
459	Biosorption potential of <i>Phoenix dactylifera</i> coir wastes for toxic hexavalent chromium sequestration. <i>Chemosphere</i> , 2021 , 268, 128809	8.4	35
458	Liquid Biphasic System: A Recent Bioseparation Technology. <i>Processes</i> , 2020 , 8, 149	2.9	34

457	Flocculation of <i>Chlorella vulgaris</i> by shell waste-derived bioflocculants for biodiesel production: Process optimization, characterization and kinetic studies. <i>Science of the Total Environment</i> , 2020 , 702, 134995	10.2	34
456	Sustainable utilization of biowaste compost for renewable energy and soil amendments. <i>Environmental Pollution</i> , 2020 , 267, 115662	9.3	34
455	Microalgae Cultivation in Palm Oil Mill Effluent (POME) Treatment and Biofuel Production. <i>Sustainability</i> , 2021 , 13, 3247	3.6	34
454	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	8.9	34
453	Using an innovative pH-stat CO ₂ feeding strategy to enhance cell growth and C-phycoerythrin production from <i>Spirulina platensis</i> . <i>Biochemical Engineering Journal</i> , 2016 , 112, 78-85	4.2	34
452	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	8.3	34
451	Sorption of ionized dyes on high-salinity microalgal residue derived biochar: Electron acceptor-donor and metal-organic bridging mechanisms. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122435	12.8	33
450	Recent advances biodegradation and biosorption of organic compounds from wastewater: Microalgae-bacteria consortium - A review. <i>Bioresource Technology</i> , 2022 , 344, 126159	11	33
449	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	4.3	32
448	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	10.3	32
447	Applying microwave vacuum pyrolysis to design moisture retention and pH neutralizing palm kernel shell biochar for mushroom production. <i>Bioresource Technology</i> , 2020 , 312, 123572	11	32
446	Supercritical carbon dioxide extraction of plant phytochemicals for biological and environmental applications - A review. <i>Chemosphere</i> , 2021 , 271, 129525	8.4	32
445	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	14.7	32
444	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	7.9	31
443	Enhanced biohydrogen production from date seeds by <i>Clostridium thermocellum</i> ATCC 27405. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 22271-22280	6.7	31
442	Integration of 3D Printing and Industry 4.0 into Engineering Teaching. <i>Sustainability</i> , 2018 , 10, 3960	3.6	31
441	A review on valorization of oyster mushroom and waste generated in the mushroom cultivation industry. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123156	12.8	30
440	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	8.3	30

439	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	6.7	30
438	Novel lipase purification methods - a review of the latest developments. <i>Biotechnology Journal</i> , 2015 , 10, 31-44	5.6	29
437	Extractive disruption process integration using ultrasonication and an aqueous two-phase system for protein recovery from. <i>Engineering in Life Sciences</i> , 2017 , 17, 357-369	3.4	29
436	Characterization and Modelling Studies of Activated Carbon Produced from Rubber-Seed Shell Using KOH for CO ₂ Adsorption. <i>Processes</i> , 2019 , 7, 855	2.9	29
435	Cellulose acetate-based membranes by interfacial engineering and integration of ZIF-62 glass nanoparticles for CO separation. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125639	12.8	29
434	Micro (nano) plastic pollution: The ecological influence on soil-plant system and human health. <i>Science of the Total Environment</i> , 2021 , 788, 147815	10.2	29
433	Microalgae and ammonia: A review on inter-relationship. <i>Fuel</i> , 2021 , 303, 121303	7.1	29
432	Torrefaction performance prediction approached by torrefaction severity factor. <i>Fuel</i> , 2019 , 251, 126-135	5.1	28
431	Optimum interaction of light intensity and CO ₂ concentration in bioremediating N-rich real wastewater via assimilation into attached microalgal biomass as the feedstock for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2020 , 141, 355-365	5.5	28
430	Extractive bioconversion of cyclodextrins by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase in aqueous two-phase system. <i>Bioresource Technology</i> , 2013 , 142, 723-6	11	28
429	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	5.3	28
428	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	4.3	28
427	Incorporating biowaste into circular bioeconomy: A critical review of current trend and scaling up feasibility. <i>Environmental Technology and Innovation</i> , 2020 , 19, 101034	7	28
426	Prospects and development of algal-bacterial biotechnology in environmental management and protection. <i>Biotechnology Advances</i> , 2021 , 47, 107684	17.8	28
425	Novel, energy efficient and green cloud point extraction: technology and applications in food processing. <i>Journal of Food Science and Technology</i> , 2019 , 56, 524-534	3.3	28
424	Techniques of lipid extraction from microalgae for biofuel production: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 231-251	13.3	28
423	Production of microalgal biochar and reducing sugar using wet torrefaction with microwave-assisted heating and acid hydrolysis pretreatment. <i>Renewable Energy</i> , 2020 , 156, 349-360	8.1	27
422	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. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 590-598	3.3	27

421	Photobioreactors 2017 , 313-352		27
420	Enhancing microalga CY-1 biomass and lipid production in palm oil mill effluent (POME) using novel-designed photobioreactor. <i>Bioengineered</i> , 2020 , 11, 61-69	5.7	27
419	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	8.3	27
418	Microalgal Protein Extraction From Using Triphasic Partitioning Technique With Sonication. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 396	5.8	27
417	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	6.7	27
416	Augmented biohydrogen production from rice mill wastewater through nano-metal oxides assisted dark fermentation. <i>Bioresource Technology</i> , 2021 , 319, 124243	11	27
415	Biopolymers and composites: Properties, characterization and their applications in food, medical and pharmaceutical industries. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105322	6.8	27
414	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	4.8	26
413	Green Pathway in Utilizing CO ₂ via Cycloaddition Reaction with Epoxide: A Mini Review. <i>Processes</i> , 2020 , 8, 548	2.9	26
412	Catalytic hydrodeoxygenation of biomass-derived pyrolysis oil over alloyed bimetallic Ni ₃ Fe nanocatalyst for high-grade biofuel production. <i>Energy Conversion and Management</i> , 2020 , 213, 112859	10.6	26
411	Removal of cationic dye waste by nanofiber membrane immobilized with waste proteins. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 3873-3884	7.9	26
410	Recovery of laccase from processed <i>Herichium erinaceus</i> (Bull.:Fr) Pers. fruiting bodies in aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 301-6	3.3	26
409	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	8.4	26
408	Advances in production of bioplastics by microalgae using food waste hydrolysate and wastewater: A review. <i>Bioresource Technology</i> , 2021 , 342, 125947	11	26
407	Organic Carbonate Production Utilizing Crude Glycerol Derived as By-Product of Biodiesel Production: A Review. <i>Energies</i> , 2020 , 13, 1483	3.1	25
406	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	7	25
405	High biodiesel yield from wet microalgae paste via in-situ transesterification: Effect of reaction parameters towards the selectivity of fatty acid esters. <i>Fuel</i> , 2020 , 272, 117718	7.1	25
404	Sustainable approach in recycling of phase components of large scale aqueous two-phase flotation for lipase recovery. <i>Journal of Cleaner Production</i> , 2018 , 184, 938-948	10.3	25

403	Integration Process for Protein Extraction from Microalgae Using Liquid Biphasic Electric Flotation (LBEP) System. <i>Molecular Biotechnology</i> , 2018 , 60, 749-761	3	25
402	Recent progress in catalytic conversion of microalgae oil to green hydrocarbon: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 116-124	5.3	25
401	Optimization of Hydrolysis-Acidogenesis Phase of Swine Manure for Biogas Production Using Two-Stage Anaerobic Fermentation. <i>Processes</i> , 2021 , 9, 1324	2.9	25
400	Recent Developments and Applications of Three-Phase Partitioning for the Recovery of Proteins. <i>Separation and Purification Reviews</i> , 2019 , 48, 52-64	7.3	25
399	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> , 2021 , 1	7.6	25
398	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	8.3	24
397	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	4.3	24
396	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	5.2	24
395	How does ionic liquid play a role in sustainability of biomass processing?. <i>Journal of Cleaner Production</i> , 2021 , 284, 124772	10.3	24
394	Microalgal-Bacterial Consortia as Future Prospect in Wastewater Bioremediation, Environmental Management and Bioenergy Production. <i>Indian Journal of Microbiology</i> , 2021 , 61, 262-269	3.7	24
393	Efficient deoxygenation of triglycerides to hydrocarbon-biofuel over mesoporous Al ₂ O ₃ -TiO ₂ catalyst. <i>Fuel Processing Technology</i> , 2019 , 194, 106120	7.2	23
392	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	23
391	Role of biochar surface characteristics in the adsorption of aromatic compounds: pore structure and functional groups. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	23
390	Reuniting the Biogeochemistry of Algae for a Low-Carbon Circular Bioeconomy. <i>Trends in Plant Science</i> , 2021 , 26, 729-740	13.1	23
389	Landfill leachate wastewater treatment to facilitate resource recovery by a coagulation-flocculation process via hydrogen bond. <i>Chemosphere</i> , 2021 , 262, 127829	8.4	23
388	Microalgae cultivation in wastewater and potential processing strategies using solvent and membrane separation technologies. <i>Journal of Water Process Engineering</i> , 2021 , 39, 101701	6.7	23
387	Molybdenum disulfide decorated palm oil waste activated carbon as an efficient catalyst for hydrogen generation by sodium borohydride hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14406-14415	6.7	22
386	Preliminary integrated economic and environmental analysis of polyhydroxyalkanoates (PHAs) biosynthesis. <i>Bioresources and Bioprocessing</i> , 2016 , 3,	5.2	22

385	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	5	22
384	Permeabilization of <i>Haematococcus pluvialis</i> and solid-liquid extraction of astaxanthin by CO ₂ -based alkyl carbamate ionic liquids. <i>Chemical Engineering Journal</i> , 2021 , 411, 128510	14.7	22
383	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	3.3	22
382	Direct recovery of cyclodextringlycosyltransferase from <i>Bacillus cereus</i> using aqueous two-phase flotation. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 684-9	3.3	21
381	Estimation of carbon dioxide (CO) reduction by utilization of algal biomass bioplastic in Malaysia using carbon emission pinch analysis (CEPA). <i>Bioengineered</i> , 2020 , 11, 154-164	5.7	21
380	Recent advances of aqueous two-phase flotation system for the recovery of biomolecules. <i>Fluid Phase Equilibria</i> , 2019 , 501, 112271	2.5	21
379	<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	11	21
378	Improving protein production of indigenous microalga <i>Chlorella vulgaris</i> FSP-E by photobioreactor design and cultivation strategies. <i>Biotechnology Journal</i> , 2015 , 10, 905-14	5.6	21
377	Microalgae with artificial intelligence: A digitalized perspective on genetics, systems and products. <i>Biotechnology Advances</i> , 2020 , 44, 107631	17.8	21
376	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	1.5	21
375	Metal/metal oxide nanocomposites for bactericidal effect: A review. <i>Chemosphere</i> , 2021 , 272, 128607	8.4	21
374	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	3.1	20
373	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	8.9	20
372	Liquid-Liquid Equilibrium of Alcohols + Ammonium/Potassium/Sodium Acetate + Water Systems: Experimental and Correlation. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 2848-2857	2.8	20
371	Effects of foam nickel supplementation on anaerobic digestion: Direct interspecies electron transfer. <i>Journal of Hazardous Materials</i> , 2020 , 399, 122830	12.8	20
370	Review of Microbial Lipase Purification Using Aqueous Two-phase Systems. <i>Current Organic Chemistry</i> , 2015 , 19, 19-29	1.7	20
369	Extractive bioconversion of poly- ϵ -caprolactone by <i>Burkholderia cepacia</i> lipase in an aqueous two-phase system. <i>Biochemical Engineering Journal</i> , 2015 , 101, 9-17	4.2	20
368	Recent Progress in Nanomaterials Modified Electrochemical Biosensors for the Detection of MicroRNA. <i>Micromachines</i> , 2021 , 12,	3.3	20

367	Hybrid Pd50-Ru50/MXene (Ti3C2Tx) nanocatalyst for effective hydrogenation of CO2 to methanol toward climate change control. <i>Chemical Engineering Journal</i> , 2021 , 414, 128869	14.7	20
366	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	2.5	20
365	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	6.7	20
364	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	5.3	19
363	Impact of magnetic immobilization on the cell physiology of green unicellular algae. <i>Bioengineered</i> , 2020 , 11, 141-153	5.7	19
362	Densification of food waste compost: Effects of moisture content and dairy powder waste additives on pellet quality. <i>Chemical Engineering Research and Design</i> , 2018 , 116, 780-786	5.5	19
361	Metallic and semiconducting carbon nanotubes separation using an aqueous two-phase separation technique: a review. <i>Nanotechnology</i> , 2016 , 27, 332002	3.4	19
360	Recovery of Bacillus cereus cyclodextrin glycosyltransferase using ionic liquid-based aqueous two-phase system. <i>Separation and Purification Technology</i> , 2014 , 138, 28-33	8.3	19
359	Extraction and purification of Polyhydroxyalkanoates (PHAs): application of Thermoseparating aqueous two-phase extraction. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	19
358	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	16.2	19
357	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	7.9	19
356	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	11	19
355	Benchtop Isolation and Characterisation of Small Extracellular Vesicles from Human Mesenchymal Stem Cells. <i>Molecular Biotechnology</i> , 2021 , 63, 780-791	3	19
354	Rapid and efficient recovery of C-phycoyanin from highly turbid Spirulina platensis algae using stirred fluidized bed ion exchange chromatography. <i>Separation and Purification Technology</i> , 2019 , 209, 636-645	8.3	19
353	Adsorptive removal of phenol using banyan root activated carbon. <i>Chemical Engineering Communications</i> , 2021 , 208, 831-842	2.2	19
352	Greenhouse gases utilization: A review. <i>Fuel</i> , 2021 , 301, 121017	7.1	19
351	Resource recovery from industrial effluents through the cultivation of microalgae: A review. <i>Bioresource Technology</i> , 2021 , 337, 125461	11	19
350	Controlled synthesis of iron oxyhydroxide (FeOOH) nanoparticles using secretory compounds from microalgae. <i>Bioengineered</i> , 2019 , 10, 390-396	5.7	18

349	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	7.6	18
348	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	8.3	18
347	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	8.3	18
346	Docosahexaenoic acid production from crude glycerol by <i>Schizochytrium limacinum</i> SR21. <i>Clean Technologies and Environmental Policy</i> , 2016 , 18, 2209-2216	4.3	18
345	Techniques to improve the stability of biodiesel: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2209-2236	13.3	18
344	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> , 2021 , 207, 112156	7.9	18
343	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	11	17
342	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	7	17
341	In-Situ Yeast Fermentation to Enhance Bioconversion of Coconut Endosperm Waste into Larval Biomass of <i>Hermetia illucens</i> : Statistical Augmentation of Larval Lipid Content. <i>Sustainability</i> , 2020 , 12, 1558	3.6	17
340	Characterization of a novel type I l-asparaginase from <i>Acinetobacter soli</i> and its ability to inhibit acrylamide formation in potato chips. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 129, 672-678	3.3	17
339	Lipase production and purification by self-buffering ionic liquid-based aqueous biphasic systems. <i>Process Biochemistry</i> , 2017 , 63, 221-228	4.8	17
338	Antibiotics: An overview on the environmental occurrence, toxicity, degradation, and removal methods. <i>Bioengineered</i> , 2021 , 12, 7376-7416	5.7	17
337	<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	14.7	17
336	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	8.9	17
335	Can algae contribute to the war with Covid-19?. <i>Bioengineered</i> , 2021 , 12, 1226-1237	5.7	17
334	Recent advances on food waste pretreatment technology via microalgae for source of polyhydroxyalkanoates. <i>Journal of Environmental Management</i> , 2021 , 293, 112782	7.9	17
333	Advancement of green technologies: A comprehensive review on the potential application of microalgae biomass. <i>Chemosphere</i> , 2021 , 281, 130886	8.4	17
332	Sustainable landfill leachate treatment: Optimize use of guar gum as natural coagulant and floc characterization. <i>Environmental Research</i> , 2020 , 188, 109737	7.9	16

331	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	3.3	16
330	Bioformulation of biochar as a potential inoculant carrier for sustainable agriculture. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101168	7	16
329	Two-step thermodegradation kinetics of cellulose, hemicelluloses, and lignin under isothermal torrefaction analyzed by particle swarm optimization. <i>Energy Conversion and Management</i> , 2021 , 238, 114116	10.6	16
328	Thermoseparating aqueous two-phase systems: Recent trends and mechanisms. <i>Journal of Separation Science</i> , 2016 , 39, 640-7	3.4	16
327	Production of bio-hydrogen from dairy wastewater using pretreated landfill leachate sludge as an inoculum. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 150-159	3.3	16
326	Prospects of Bioenergy Production From Organic Waste Using Anaerobic Digestion Technology: A Mini Review. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	16
325	Current application of electrical pre-treatment for enhanced microalgal biomolecules extraction. <i>Bioresource Technology</i> , 2020 , 302, 122874	11	15
324	Cloud-point extraction of green-polymers from <i>Cupriavidus necator</i> lysate using thermoseparating-based aqueous two-phase extraction. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 370-375	3.3	15
323	Separation of single-walled carbon nanotubes using aqueous two-phase system. <i>Separation and Purification Technology</i> , 2014 , 125, 136-141	8.3	15
322	Effects of anaerobic digestion of food waste on biogas production and environmental impacts: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2921-2939	13.3	15
321	Recovery of Protein from Dairy Milk Waste Product Using Alcohol-Salt Liquid Biphasic Flotation. <i>Processes</i> , 2019 , 7, 875	2.9	15
320	Oxidative reaction interaction and synergistic index of emulsified pyrolysis bio-oil/diesel fuels. <i>Renewable Energy</i> , 2019 , 136, 223-234	8.1	15
319	Permeabilization of <i>Chlorella sorokiniana</i> and extraction of lutein by distillable CO ₂ -based alkyl carbamate ionic liquids. <i>Separation and Purification Technology</i> , 2021 , 256, 117471	8.3	15
318	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	5.4	15
317	Perspective of <i>Spirulina</i> culture with wastewater into a sustainable circular bioeconomy. <i>Environmental Pollution</i> , 2021 , 284, 117492	9.3	15
316	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	4.2	14
315	Relevance of Dorsolateral and Frontotemporal Cortex on the Phonemic Verbal Fluency - A fNIRS-Study. <i>Neuroscience</i> , 2017 , 367, 169-177	3.9	14
314	ZrO ₂ incorporated polysulfone anion exchange membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 29668-29680	6.7	14

313	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	7.9	14
312	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	6.7	14
311	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	3.3	14
310	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	5.8	14
309	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	8.4	14
308	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	10.2	14
307	The Effects of Biofertilizers on Growth, Soil Fertility, and Nutrients Uptake of Oil Palm (<i>Elaeis Guineensis</i>) under Greenhouse Conditions. <i>Processes</i> , 2020 , 8, 1681	2.9	13
306	Densities, Viscosities, and Refractive Indexes of Good Buffer Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2260-2268	2.8	13
305	Optimization of protein extraction from via novel sugaring-out assisted liquid biphasic electric flotation system. <i>Engineering in Life Sciences</i> , 2019 , 19, 968-977	3.4	13
304	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, 71-8	3.2	13
303	Outlook on biorefinery potential of palm oil mill effluent for resource recovery. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104519	6.8	13
302	Adsorption behavior of mercury over hydrated lime: Experimental investigation and adsorption process characteristic study. <i>Chemosphere</i> , 2021 , 271, 129504	8.4	13
301	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	2.6	13
300	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	7.1	13
299	CO ₂ mitigation and phycoremediation of industrial flue gas and wastewater via microalgae-bacteria consortium: Possibilities and challenges. <i>Chemical Engineering Journal</i> , 2021 , 425, 131436	14.7	13
298	Thermo-sensitive aqueous biphasic extraction of polyphenols from <i>Camellia sinensis</i> var. <i>assamica</i> leaves. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 79, 151-157	5.3	12
297	Insight on Extraction and Characterisation of Biopolymers as the Green Coagulants for Microalgae Harvesting. <i>Water (Switzerland)</i> , 2020 , 12, 1388	3	12
296	Sonoprocessing-assisted solvent extraction for the recovery of pigment-protein complex from <i>Spirulina platensis</i> . <i>Chemical Engineering Journal</i> , 2020 , 398, 125613	14.7	12

295	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	12
294	Production of Cyclodextrin by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase using extractive bioconversion in polymer-salt aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 692-696	3.3	12
293	Thermal Analysis of Nigerian Oil Palm Biomass with Sachet-Water Plastic Wastes for Sustainable Production of Biofuel. <i>Processes</i> , 2019 , 7, 475	2.9	12
292	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	6.1	12
291	Batch and dynamic adsorption of lysozyme from chicken egg white on dye-affinity nanofiber membranes modified by ethylene diamine and chitosan. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1711-1724	7.9	12
290	Impact of post-torrefaction process on biochar formation from wood pellets and self-heating phenomena for production safety. <i>Energy</i> , 2020 , 207, 118324	7.9	12
289	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	11	12
288	Sustainable membrane technology for resource recovery from wastewater: Forward osmosis and pressure retarded osmosis. <i>Journal of Water Process Engineering</i> , 2021 , 39, 101758	6.7	12
287	How far have we reached in development of effective influenza vaccine?. <i>International Reviews of Immunology</i> , 2018 , 37, 266-276	4.6	12
286	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	4.2	12
285	Microalgal-based biochar in wastewater remediation: Its synthesis, characterization and applications. <i>Environmental Research</i> , 2022 , 204, 111966	7.9	12
284	An efficient and rapid method to extract and purify protein - Liquid Triphasic Flotation system. <i>Bioresource Technology</i> , 2019 , 294, 122158	11	11
283	In-vitro molecular docking analysis of microalgae extracted phycoyanin as an anti-diabetic candidate. <i>Biochemical Engineering Journal</i> , 2020 , 161, 107666	4.2	11
282	Exploitation and Biorefinery of Microalgae 2018 , 571-601		11
281	Optimization and kinetic study of non-catalytic transesterification of palm oil under subcritical condition using microwave technology. <i>Energy Conversion and Management</i> , 2019 , 196, 1126-1137	10.6	11
280	Hybrid liquid biphasic system for cell disruption and simultaneous lipid extraction from microalgae CY-1 for biofuel production. <i>Biotechnology for Biofuels</i> , 2019 , 12, 252	7.8	11
279	Perovskite oxide for emerging photo(electro)catalysis in energy and environment.. <i>Environmental Research</i> , 2021 , 205, 112544	7.9	11
278	Evaluation of dynamic binding performance of C-phycoyanin and allophycoyanin in <i>Spirulina platensis</i> algae by aminated polyacrylonitrile nanofiber membrane. <i>Biochemical Engineering Journal</i> , 2020 , 161, 107686	4.2	11

277	Ultrasound in the deproteinization process for chitin and chitosan production. <i>Ultrasonics Sonochemistry</i> , 2021 , 72, 105417	8.9	11
276	Emerging crosslinking techniques for glove manufacturers with improved nitrile glove properties and reduced allergic risks. <i>Materials Today Communications</i> , 2019 , 19, 39-50	2.5	11
275	Extraction of phenolic compounds from fresh and wilt kesum plant using liquid biphasic flotation. <i>Separation and Purification Technology</i> , 2020 , 242, 116831	8.3	11
274	Thermal-Fenton mechanism with sonoprocessing for rapid non-catalytic transesterification of microalgal to biofuel production. <i>Chemical Engineering Journal</i> , 2021 , 408, 127264	14.7	11
273	Bioprocessing of <i>Chaetoceros calcitrans</i> for the recovery of fucoxanthin using CO ₂ -based alkyl carbamate ionic liquids. <i>Bioresource Technology</i> , 2021 , 322, 124520	11	11
272	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	7	11
271	Molecular connections of obesity and aging: a focus on adipose protein 53 and retinoblastoma protein. <i>Biogerontology</i> , 2017 , 18, 321-332	4.5	10
270	Liquid Biphasic Systems for Oil-Rich Algae Bioproducts Processing. <i>Sustainability</i> , 2019 , 11, 4682	3.6	10
269	Sustainable approach in phlorotannin recovery from macroalgae. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 220-225	3.3	10
268	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	4.3	10
267	The removal of metallic single-walled carbon nanotubes using an aqueous two-phase system. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 3398-402	1.3	10
266	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2021 , 133006	8.4	10
265	Development of a novel switched packed bed process for cryogenic CO ₂ capture from natural gas. <i>Chemical Engineering Research and Design</i> , 2021 , 147, 878-887	5.5	10
264	A simple method for cell disruption by immobilization of lysozyme on the extrudate-shaped Na-Y zeolite: Recirculating packed bed disruption process. <i>Biochemical Engineering Journal</i> , 2019 , 141, 210-216	4.2	10
263	Novel, Nonthermal, Energy Efficient, Industrially Scalable Hydrodynamic Cavitation Applications in Food Processing. <i>Food Reviews International</i> , 2020 , 36, 668-691	5.5	10
262	Encapsulation of bioactive polyphenols by starch and their impacts on gut microbiota. <i>Current Opinion in Food Science</i> , 2021 , 38, 102-111	9.8	10
261	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	11	10
260	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	11	10

259	Prevalence and Risk Factors of Hypertension in the Vietnamese Elderly. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2019 , 26, 239-246	2.9	9
258	Enhancement of C-phycoerythrin purity using negative chromatography with chitosan-modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 615-628	7.9	9
257	Photostabilization of phycoerythrin from <i>Spirulina platensis</i> modified by formaldehyde. <i>Process Biochemistry</i> , 2020 , 94, 297-304	4.8	9
256	Biorefinery of <i>Chlorella sorokiniana</i> using ultra sonication assisted liquid triphasic flotation system. <i>Bioresource Technology</i> , 2020 , 303, 122931	11	9
255	Examination of indigenous microalgal species for maximal protein synthesis. <i>Biochemical Engineering Journal</i> , 2020 , 154, 107425	4.2	9
254	Enhanced Degradation of Diesel Oil by Using Biofilms Formed by Indigenous Purple Photosynthetic Bacteria from Oil-Contaminated Coasts of Vietnam on Different Carriers. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 313-330	3.2	9
253	Synthetic dyes removal by <i>Fusarium oxysporum</i> HUIB02 and stimulation effect on laccase accumulation. <i>Environmental Technology and Innovation</i> , 2020 , 19, 101027	7	9
252	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	9
251	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	4.2	9
250	Biogas production from beverage factory wastewater in a mobile bioenergy station. <i>Chemosphere</i> , 2021 , 264, 128564	8.4	9
249	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,	3.8	9
248	<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	2.9	9
247	Purification of the Recombinant Green Fluorescent Protein Using Aqueous Two-Phase System Composed of Recyclable CO ₂ -Based Alkyl Carbamate Ionic Liquid. <i>Frontiers in Chemistry</i> , 2018 , 6, 529	5	9
246	A review on bioconversion processes for hydrogen production from agro-industrial residues. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	9
245	How does the Internet of Things (IoT) help in microalgae biorefinery?. <i>Biotechnology Advances</i> , 2021 , 107819	17.8	9
244	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	7.9	9
243	Advanced materials for immobilization of purple phototrophic bacteria in bioremediation of oil-polluted wastewater. <i>Chemosphere</i> , 2021 , 278, 130464	8.4	9
242	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	15.3	9

241	Sustainable technologies for waste reduction and pollutants removals. <i>Clean Technologies and Environmental Policy</i> , 2021 , 23, 1-2	4.3	9
240	Recovery of lignin peroxidase from submerged liquid fermentation of <i>Amauroderma rugosum</i> (Blume & T. Nees) Torrend using polyethylene glycol/salt aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 91-98	3.3	8
239	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	5	8
238	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	2.9	8
237	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	2.6	8
236	Utilization of microalgae for self-regulation of extracellular polymeric substance production. <i>Biochemical Engineering Journal</i> , 2020 , 159, 107616	4.2	8
235	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	3.7	8
234	Removal of Ionic Dyes by Nanofiber Membrane Functionalized with Chitosan and Egg White Proteins: Membrane Preparation and Adsorption Efficiency.. <i>Membranes</i> , 2022 , 12,	3.8	8
233	Basilar artery thrombectomy: assessment of outcome and identification of prognostic factors. <i>Acta Neurologica Belgica</i> , 2020 , 120, 99-105	1.5	8
232	Immobilized <i>Chlorella</i> species mixotrophic cultivation at various textile wastewater concentrations. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101609	6.7	8
231	Microalgae: The Future Supply House of Biohydrogen and Biogas. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	8
230	Sources, chemistry, bioremediation and social aspects of arsenic-contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3859-3886	13.3	8
229	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	5	8
228	Thermophysical Properties and CO ₂ Absorption of Ammonium-Based Protic Ionic Liquids Containing Acetate and Butyrate Anions. <i>Processes</i> , 2019 , 7, 820	2.9	8
227	Product Characteristics of Torrefied Wood Sawdust in Normal and Vacuum Environments. <i>Energies</i> , 2019 , 12, 3844	3.1	8
226	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	4.3	8
225	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	3.2	8
224	Valorization of rice husk to aromatics via thermocatalytic conversion in the presence of decomposed methane. <i>Chemical Engineering Journal</i> , 2021 , 417, 129264	14.7	8

223	Development of proton-exchange membrane fuel cell with ionic liquid technology. <i>Science of the Total Environment</i> , 2021 , 793, 148705	10.2	8
222	Influence of organic loading rates on treatment performance of membrane bioreactor treating tannery wastewater. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101810	7	8
221	Kinetic and thermodynamic analysis of iron oxide reduction by graphite for CO ₂ mitigation in chemical-looping combustion. <i>International Journal of Energy Research</i> , 2020 , 44, 3865-3882	4.5	7
220	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	3.2	7
219	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	2.9	7
218	School education and childhood obesity: A systemic review. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019 , 13, 2495-2501	8.9	7
217	Reverse Micellar System in Protein Recovery - A Review of the Latest Developments. <i>Current Protein and Peptide Science</i> , 2019 , 20, 1012-1026	2.8	7
216	Algae-mediated antibiotic wastewater treatment: A critical review. <i>Environmental Science and Ecotechnology</i> , 2022 , 9, 100145	7.4	7
215	Recent ultrasound advancements for the manipulation of nanobiomaterials and nanoformulations for drug delivery. <i>Ultrasonics Sonochemistry</i> , 2021 , 80, 105805	8.9	7
214	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	7	7
213	Preliminary In Vitro Evaluation of Chitosan-Graphene Oxide Scaffolds on Osteoblastic Adhesion, Proliferation, and Early Differentiation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
212	Hydrothermally extraction of saponin from root - Physico-chemical characteristics and antibacterial activity evaluation. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 27, e00507	5.3	7
211	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	8.9	7
210	Sustainable functionalized metal-organic framework NH-MIL-101(Al) for CO separation under cryogenic conditions. <i>Environmental Pollution</i> , 2021 , 279, 116924	9.3	7
209	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	6.8	7
208	Cumulative impact assessment of hazardous ionic liquids towards aquatic species using risk assessment methods. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125364	12.8	7
207	Multi-objective optimization of the cavitation generation unit structure of an advanced rotational hydrodynamic cavitation reactor. <i>Ultrasonics Sonochemistry</i> , 2021 , 80, 105771	8.9	7
206	Carbon supported Ni ₃ N/Ni heterostructure for hydrogen evolution reaction in both acid and alkaline media. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 30739-30749	6.7	7

205	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	5.3	6
204	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	4.9	6
203	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	3.3	6
202	Statistical Design of Experimental and Bootstrap Neural Network Modelling Approach for Thermoseparating Aqueous Two-Phase Extraction of Polyhydroxyalkanoates. <i>Polymers</i> , 2018 , 10,	4.5	6
201	Sustainable smart photobioreactor for continuous cultivation of microalgae embedded with Internet of Things.. <i>Bioresource Technology</i> , 2021 , 346, 126558	11	6
200	Renewable diesel as fossil fuel substitution in Malaysia: A review. <i>Fuel</i> , 2022 , 314, 123137	7.1	6
199	Recent advances in hydrodynamic cavitation-based pretreatments of lignocellulosic biomass for valorization. <i>Bioresource Technology</i> , 2021 , 126251	11	6
198	An evaluation of thermal characteristics of bacterium <i>Actinobacillus succinogenes</i> for energy use and circular bioeconomy. <i>Bioresource Technology</i> , 2020 , 301, 122774	11	6
197	Recent advancement in deoxygenation of fatty acids via homogeneous catalysis for biofuel production. <i>Molecular Catalysis</i> , 2020 , 111207	3.3	6
196	A comprehensive review on the techniques for coconut oil extraction and its application. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 1807-1818	3.7	6
195	Microwave plasma technology for sustainable energy production and the electromagnetic interaction within the plasma system: A review. <i>Environmental Research</i> , 2021 , 197, 111204	7.9	6
194	Overproduction of lipooxygenase 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	3.3	6
193	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	4.5	6
192	Green technologies: innovations, challenges, and prospects. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 1939-1939	4.3	6
191	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	3.2	6
190	Algae as potential feedstock for various bioenergy production. <i>Chemosphere</i> , 2022 , 287, 131944	8.4	6
189	A Sugarcane-Bagasse-Based Adsorbent Employed for Mitigating Eutrophication Threats and Producing Biodiesel Simultaneously. <i>Processes</i> , 2019 , 7, 572	2.9	5
188	Characterization and Analysis of Malaysian Macroalgae Biomass as Potential Feedstock for Bio-Oil Production. <i>Energies</i> , 2019 , 12, 3509	3.1	5

187	Hydrogen fermentation of organic wastewater with high ammonium concentration via electro dialysis system. <i>Bioresource Technology</i> , 2019 , 288, 121560	11	5
186	Extraction of agar from <i>Eucheuma cottonii</i> and <i>Gelidium amansii</i> seaweeds with sonication pretreatment using autoclaving method. <i>Journal of Oceanology and Limnology</i> , 2019 , 37, 871-880	1.5	5
185	Treatment for Landfill Leachate via Physicochemical Approaches. <i>Chemical and Biochemical Engineering Quarterly</i> , 2020 , 34, 1-24	1.8	5
184	Factors Affecting the Performance of Membrane Osmotic Processes for Bioenergy Development. <i>Energies</i> , 2020 , 13, 481	3.1	5
183	Biofuels from Microbial Lipids. <i>Green Energy and Technology</i> , 2018 , 359-388	0.6	5
182	Efficient enzyme-catalysed transesterification of microalgal biomass from <i>Chlamydomonas</i> sp.. <i>Energy</i> , 2016 , 116, 1370-1373	7.9	5
181	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,	5.3	5
180	Cerium functionalized graphene nano-structures and their applications; A review.. <i>Environmental Research</i> , 2022 , 208, 112685	7.9	5
179	Current approaches in CRISPR-Cas9 mediated gene editing for biomedical and therapeutic applications.. <i>Journal of Controlled Release</i> , 2022 ,	11.7	5
178	Bioethanol from hydrolysate of ultrasonic processed robust microalgal biomass cultivated in dairy wastewater under optimal strategy. <i>Energy</i> , 2021 , 244, 122604	7.9	5
177	A system dynamics approach to pollution remediation and mitigation based on increasing the share of renewable resources. <i>Environmental Research</i> , 2021 , 205, 112458	7.9	5
176	Unravelling CO2 capture performance of microalgae cultivation and other technologies via comparative carbon balance analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106519	6.8	5
175	Glycerol organosolv pretreatment can unlock lignocellulosic biomass for production of fermentable sugars: Present situation and challenges. <i>Bioresource Technology</i> , 2022 , 344, 126264	11	5
174	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. <i>Food Chemistry</i> , 2020 , 327, 127038	8.5	5
173	Prospects of Palm Fruit Extraction Technology: Palm Oil Recovery Processes and Quality Enhancement. <i>Food Reviews International</i> , 1-28	5.5	5
172	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	5
171	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	4.2	5
170	Green bioprocessing of protein from <i>Chlorella vulgaris</i> microalgae towards circular bioeconomy. <i>Bioresource Technology</i> , 2021 , 333, 125197	11	5

169	Syngas production with low tar content from cellulose pyrolysis in molten salt combined with Ni/Al ₂ O ₃ catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 158, 105243	6	5
168	Evaluating the application of antibiotic treatment using algae-algae/activated sludge system. <i>Chemosphere</i> , 2021 , 282, 130966	8.4	5
167	Analysis of methanol synthesis using CO ₂ hydrogenation and syngas produced from biogas-based reforming processes. <i>Chemical Engineering Journal</i> , 2021 , 426, 130835	14.7	5
166	Treatment of Hospital wastewater with submerged aerobic fixed film reactor coupled with tube-settler. <i>Chemosphere</i> , 2022 , 286, 131838	8.4	5
165	Highly active iron-promoted hexagonal mesoporous silica (HMS) for deoxygenation of triglycerides to green hydrocarbon-like biofuel. <i>Fuel</i> , 2022 , 308, 121860	7.1	5
164	Smart microalgae farming with internet-of-things for sustainable agriculture.. <i>Biotechnology Advances</i> , 2022 , 107931	17.8	5
163	New Insights in factors affecting ground water quality with focus on health risk assessment and remediation techniques.. <i>Environmental Research</i> , 2022 , 113171	7.9	5
162	Recent advances of biosurfactant for waste and pollution bioremediation: Substitutions of petroleum-based surfactants.. <i>Environmental Research</i> , 2022 , 113126	7.9	5
161	A homologous stem cell therapy for obesity and its related metabolic disorders. <i>Medical Hypotheses</i> , 2017 , 103, 26-28	3.8	4
160	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	11	4
159	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	5.3	4
158	Biodiesel From Microalgae 2019 , 601-628		4
157	Recent Developments of Reverse Micellar Techniques for Lysozyme, Bovine Serum Albumin, and Bromelain Extraction. <i>Molecular Biotechnology</i> , 2019 , 61, 715-724	3	4
156	Ionic liquids for the inhibition of gas hydrates. A review. <i>Environmental Chemistry Letters</i> , 1	13.3	4
155	Plant extract-based green fabrication of nickel ferrite (NiFeO) nanoparticles: An operative platform for non-enzymatic determination of pentachlorophenol.. <i>Chemosphere</i> , 2022 , 294, 133760	8.4	4
154	Phyllosilicate derived catalysts for efficient conversion of lignocellulosic derived biomass to biodiesel: A review. <i>Bioresource Technology</i> , 2022 , 343, 126068	11	4
153	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	5.7	4
152	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	7.1	4

151	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, 1083-1137	3.7	4
150	Characterization of a recombinant laccase from <i>Fusarium oxysporum</i> HUIB02 for biochemical application on dyes removal. <i>Biochemical Engineering Journal</i> , 2021 , 168, 107958	4.2	4
149	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	3	4
148	Economic potential of bioremediation using immobilized microalgae-based microbial fuel cells. <i>Clean Technologies and Environmental Policy</i> , 2021 , 23, 2251-2264	4.3	4
147	The Influence of COVID-19 on Global CO ₂ Emissions and Climate Change: A Perspective from Malaysia. <i>Sustainability</i> , 2021 , 13, 8461	3.6	4
146	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	4
145	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	4.3	4
144	Selection, purification, and evaluation of acarbose-an α-glucosidase inhibitor from <i>Actinoplanes</i> sp. <i>Chemosphere</i> , 2021 , 265, 129167	8.4	4
143	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	8.5	4
142	Meeting Sustainable Development Goals: Alternative Extraction Processes for Fucoxanthin in Algae. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 546067	5.8	4
141	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	6.8	4
140	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	8.3	4
139	Development of an extended model for the permeation of environmentally hazardous CO gas across asymmetric hollow fiber composite membranes. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126000	12.8	4
138	Mitigation of CO ₂ emissions by transforming to biofuels: Optimization of biofuels production processes. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 150, 111487	16.2	4
137	Challenges and recent trends with the development of hydrogel fiber for biomedical applications. <i>Chemosphere</i> , 2022 , 287, 131956	8.4	4
136	Determination of Dissolved CO ₂ Concentration in Culture Media: Evaluation of pH Value and Mathematical Data. <i>Processes</i> , 2020 , 8, 1373	2.9	3
135	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	4.9	3
134	Potential Pathway that Could Treat Coronaviruses (COVID-19). <i>Current Biochemical Engineering</i> , 2020 , 6, 3-4	2	3

133	Application of a Liquid Biphasic Flotation (LBF) System for Protein Extraction from <i>Persicaria Tenulla</i> Leaf. <i>Processes</i> , 2020 , 8, 247	2.9	3
132	Hypertension in a mountainous province of Vietnam: prevalence and risk factors. <i>Heliyon</i> , 2020 , 6, e033836	3.3	3
131	Developments in Fermentative Butanol Production as an Alternative Biofuel Source. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018 , 140,	2.6	3
130	Cell Separation and Disruption, Product Recovery, and Purification. <i>Learning Materials in Biosciences</i> , 2019 , 237-271	0.3	3
129	Recent advances of natural biopolymeric culture scaffold: synthesis and modification.. <i>Bioengineered</i> , 2022 , 13, 2226-2247	5.7	3
128	Biochar production via pyrolysis of citrus peel fruit waste as a potential usage as solid biofuel.. <i>Chemosphere</i> , 2022 , 294, 133671	8.4	3
127	Recovery of microalgae biodiesel using liquid biphasic flotation system. <i>Fuel</i> , 2022 , 317, 123368	7.1	3
126	Sustainable fermentation approach for biogenic hydrogen productivity from delignified sugarcane bagasse. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	3
125	Sustainable valorization of algae biomass via thermochemical processing route: An overview. <i>Bioresource Technology</i> , 2022 , 344, 126399	11	3
124	Dual nutrient heterogeneity modes in a continuous flow photobioreactor for optimum nitrogen assimilation to produce microalgal biodiesel. <i>Renewable Energy</i> , 2021 , 184, 443-443	8.1	3
123	Microalgae-based bioplastics: Future solution towards mitigation of plastic wastes.. <i>Environmental Research</i> , 2021 , 112620	7.9	3
122	Adsorption of Methylene Blue on the Composite Sorbent Based on Bentonite-Like Clay and Hydroxyapatite. <i>Indonesian Journal of Chemistry</i> , 2018 , 18, 733	1.5	3
121	Recent Development of Renewable Diesel Production Using Bimetallic Catalysts. <i>Frontiers in Energy Research</i> ,9,	3.8	3
120	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	7.9	3
119	Lentil waste as novel natural coagulant for agricultural wastewater treatment. <i>Water Science and Technology</i> , 2020 , 82, 1833-1847	2.2	3
118	Continuous Phenol Removal Using a Liquid-Solid Circulating Fluidized Bed. <i>Energies</i> , 2020 , 13, 3839	3.1	3
117	Recent Progress in Harvest and Recovery Techniques of Mammalian and Algae Cells for Industries. <i>Indian Journal of Microbiology</i> , 2021 , 61, 279-282	3.7	3
116	Torrefaction Thermogravimetric Analysis and Kinetics of Sorghum Distilled Residue for Sustainable Fuel Production. <i>Sustainability</i> , 2021 , 13, 4246	3.6	3

115	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	4.3	3
114	Transcription Factor ChbZIP1 from Alkaliphilic Microalgae sp. BLD Enhancing Alkaline Tolerance in Transgenic. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
113	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	5	3
112	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	3.3	3
111	Oxidative torrefaction performance of microalga <i>Nannochloropsis Oceanica</i> towards an upgraded microalgal solid biofuel. <i>Journal of Biotechnology</i> , 2021 , 338, 81-90	3.7	3
110	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	6.8	3
109	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	8.1	3
108	Cultivation of <i>Chlorella vulgaris</i> on dairy waste using vision imaging for biomass growth monitoring. <i>Bioresource Technology</i> , 2021 , 341, 125892	11	3
107	Multi-objective optimization of thermophysical properties of multiwalled carbon nanotubes based nanofluids. <i>Chemosphere</i> , 2022 , 286, 131690	8.4	3
106	Prospects and environmental sustainability of phyconanotechnology: A review on algae-mediated metal nanoparticles synthesis and mechanism.. <i>Environmental Research</i> , 2022 , 113140	7.9	3
105	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	5.7	3
104	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,	5.4	3
103	Global market and economic analysis of microalgae technology: Status and perspectives.. <i>Bioresource Technology</i> , 2022 , 127329	11	3
102	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	4.9	2
101	Hygro-Thermo-Mechanical Responses of Balsa Wood Core Sandwich Composite Beam Exposed to Fire. <i>Processes</i> , 2020 , 8, 103	2.9	2
100	Ultrasound-Enhanced Hot Air Drying of Germinated Highland Barley Seeds: Drying Characteristics, Microstructure, and Bioactive Profile. <i>AgriEngineering</i> , 2019 , 1, 496-510	2.2	2
99	<i>Cannabis sativa</i> L. chemical compositions as potential plasmodium falciparum dihydrofolate reductase-thymidinesynthase enzyme inhibitors: An in silico study for drug development. <i>Open Chemistry</i> , 2021 , 19, 1235-1241	1.6	2
98	Sonoproduction of nanobiomaterials - A critical review.. <i>Ultrasonics Sonochemistry</i> , 2021 , 82, 105887	8.9	2

97	Green biorefinery: Microalgae-bacteria microbiome on tolerance investigations in plants.. <i>Journal of Biotechnology</i> , 2021 , 343, 120-127	3.7	2
96	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 , 104223	5.3	2
95	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	6.8	2
94	Novel strategy in biohydrogen energy production from COVID - 19 plastic waste: A critical review. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	2
93	Green synthesized nano-cellulose polyethylene imine-based biological membrane.. <i>Food and Chemical Toxicology</i> , 2021 , 160, 112773	4.7	2
92	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	2
91	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	5.5	2
90	Significance of Industry 5.0 2021 , 95-114		2
89	Discovery of β -Glucosidase Inhibitors from Marine Microorganisms: Optimization of Culture Conditions and Medium Composition. <i>Molecular Biotechnology</i> , 2021 , 63, 1004-1015	3	2
88	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	4.3	2
87	Enhanced production of non-edible <i>Xanthium spinosum</i> -based biodiesel using waste biomass under dynamic conditions. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	2
86	Effect of eggshell- and homo-type Ni/AlO catalysts on the pyrolysis of food waste under CO atmosphere. <i>Journal of Environmental Management</i> , 2021 , 294, 112959	7.9	2
85	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	7	2
84	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> ,	3.5	2
83	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	3.7	2
82	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	7.9	2
81	Self-healing epoxy coating synthesis by embedment of metal 2-methyl imidazole and acetylacetonate complexes with microcapsules. <i>Chemosphere</i> , 2021 , 285, 131492	8.4	2
80	Hydrogen-rich gas production via steam gasification of food waste over basic oxides (MgO/CaO/SrO) promoted-Ni/AlO catalysts. <i>Chemosphere</i> , 2022 , 287, 132224	8.4	2

79	Biochar production with amelioration of microwave-assisted pyrolysis: Current scenario, drawbacks and perspectives.. <i>Bioresource Technology</i> , 2022 , 355, 127303	11	2
78	Optimization of isoflavones extraction from soybeans using full factorial design. <i>Journal of Food Processing and Preservation</i> , 2019 , 43, e14078	2.1	1
77	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	5.2	1
76	Nicht invasive Hirnstimulation und Furchtextinktion. <i>Nervenheilkunde</i> , 2019 , 38, 537-541	0.3	1
75	Bioactives from Plant Food Processing Wastes: Ultrasonic Approaches to Valuable Chemicals. <i>Green Chemistry and Sustainable Technology</i> , 2019 , 145-170	1.1	1
74	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	2.2	1
73	Advanced Food Process Technologies: Bridging Conventional Practices to Industry 4.0. <i>Current Nutrition and Food Science</i> , 2020 , 16, 1286-1286	0.7	1
72	Sauces Fermented With Lactic Acid Bacteria: Fermentation Properties, Flavor Profile, and Evaluation of Antioxidant Capacity .. <i>Frontiers in Nutrition</i> , 2021 , 8, 810460	6.2	1
71	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	8.4	1
70	Biodegradation and Detoxification of Malachite Green Dye by Extracellular Laccase Expressed from <i>Fusarium oxysporum</i> . <i>Waste and Biomass Valorization</i> , 1	3.2	1
69	Development of CuN electrocatalyst for hydrogen evolution reaction in alkaline medium.. <i>Scientific Reports</i> , 2022 , 12, 2004	4.9	1
68	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	14.7	1
67	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	4.7	1
66	Interferences of Waxes on Enzymatic Saccharification and Ethanol Production from Lignocellulose Biomass. <i>Bioengineering</i> , 2021 , 8,	5.3	1
65	Future advances and challenges of nanomaterial-based technologies for electromagnetic interference-based technologies: A review. <i>Environmental Research</i> , 2021 , 205, 112402	7.9	1
64	Effect of torrefaction and fractional condensation on the quality of bio-oil from biomass pyrolysis for fuel applications. <i>Fuel</i> , 2022 , 312, 122959	7.1	1
63	Recuperation and characterization of calcium carbonate from residual oyster and clamshells and their incorporation into a residential finish. <i>Chemosphere</i> , 2021 , 132550	8.4	1
62	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	8.9	1

61	Kinetics of photocatalytic degradation of gaseous p-xylene on UiO-66-NH ₂ and LaFeO ₃ thin films under combined illumination of ultraviolet and visible lights. <i>International Journal of Chemical Kinetics</i> , 2020 , 52, 35-51	1.4	1
60	Potential Cultivation of <i>Lactobacillus pentosus</i> from Human Breastmilk with Rapid Monitoring through the Spectrophotometer Method. <i>Processes</i> , 2020 , 8, 902	2.9	1
59	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	1
58	Use of chicken feathers as potential adsorbent for the reclamation of industrial lean methyl diethanolamine solutions. <i>Separation Science and Technology</i> , 1-16	2.5	1
57	State-of-the-Art Technologies in Industry 5.0 2021 , 257-286		1
56	Oxidative Extractive Desulfurization System for Fuel Oil Using Acidic Eutectic-Based Ionic Liquid. <i>Processes</i> , 2021 , 9, 1050	2.9	1
55	Experimental and simulation study on high-pressure V-L-S cryogenic hybrid network for CO ₂ capture from highly sour natural gas. <i>Chemical Engineering Research and Design</i> , 2021 , 150, 36-50	5.5	1
54	Generation of microalga <i>Chlamydomonas reinhardtii</i> expressing VP28 protein as oral vaccine candidate for shrimps against White Spot Syndrome Virus (WSSV) infection. <i>Aquaculture</i> , 2021 , 540, 736737	4.4	1
53	Sound Velocity and Elastic Moduli of Superconducting and Non-superconducting NdBa ₂ Cu ₃ O _{7-δ} <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 43-47	1.5	1
52	Response Surface Methodology Routed Optimization of Performance of Hydroxy Gas Enriched Diesel Fuel in Compression Ignition Engines. <i>Processes</i> , 2021 , 9, 1355	2.9	1
51	Protoporphyrin Extracted from Biomass Waste as Sustainable Corrosion Inhibitors of T22 Carbon Steel in Acidic Environments. <i>Sustainability</i> , 2022 , 14, 3622	3.6	1
50	Extraction of fucoxanthin from <i>Chaetoceros calcitrans</i> by electroporation-assisted liquid biphasic flotation system.. <i>Journal of Chromatography A</i> , 2022 , 1668, 462915	4.5	1
49	A review on the diverse interactions between microalgae and nanomaterials: Growth variation, photosynthetic performance and toxicity.. <i>Bioresource Technology</i> , 2022 , 351, 127048	11	1
48	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	6.7	1
47	Current advances in recovery and biorefinery of fucoxanthin from <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2022 , 65, 102735	5	1
46	Synthesis of mesoporous antimicrobial herbal nanomaterial-carrier for silver nanoparticles and antimicrobial sensing.. <i>Food and Chemical Toxicology</i> , 2022 , 165, 113077	4.7	1
45	Template-based textural modifications of polymeric graphitic carbon nitrides towards waste water treatment.. <i>Chemosphere</i> , 2022 , 302, 134792	8.4	1
44	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	14.7	0

43	Fermentation and Storage Characteristics of "Fuji" Apple Juice Using and : Microbial Growth, Metabolism of Bioactives and Bioactivities.. <i>Frontiers in Nutrition</i> , 2022 , 9, 833906	6.2	o
42	Biovalorization of agro-industrial waste soybean meal for the production of prodigiosin by <i>Serratia marcescens</i> . <i>Biomass Conversion and Biorefinery</i> ,1	2.3	o
41	A review on sensing and catalytic activity of nano-catalyst for synthesis of one-step ammonia and urea: Challenges and perspectives. <i>Chemosphere</i> , 2021 , 291, 132806	8.4	o
40	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	3.9	o
39	An integration study of microalgae bioactive retention: From microalgae biomass to microalgae bioactives nanoparticle. <i>Food and Chemical Toxicology</i> , 2021 , 158, 112607	4.7	o
38	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	4.2	o
37	Fuel and Biofuels 2021 , 181-209		o
36	Sustainability and Development of Industry 5.0 2021 , 287-304		o
35	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	7.9	o
34	Sustainable management of algal blooms in ponds and rivers 2022 , 431-444		o
33	Utilization of Aerobic Compression Composting Technology on Raw Mushroom Waste for Bioenergy Pellets Production. <i>Processes</i> , 2022 , 10, 463	2.9	o
32	Hydrodynamic Cavitation: A Novel Non-Thermal Liquid Food Processing Technology.. <i>Frontiers in Nutrition</i> , 2022 , 9, 843808	6.2	o
31	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	3.7	o
30	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> ,1	4.5	o
29	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	5.3	o
28	In silico proteolysis and molecular interaction of tilapia (<i>Oreochromis niloticus</i>) skin collagen-derived peptides for environmental remediation.. <i>Environmental Research</i> , 2022 , 113002	7.9	o
27	Indigenous Materials as Catalyst Supports for Renewable Diesel Production in Malaysia. <i>Energies</i> , 2022 , 15, 2835	3.1	o
26	Production of hydrogen and value-added carbon materials by catalytic methane decomposition: a review. <i>Environmental Chemistry Letters</i> ,1	13.3	o

25	Oxidative torrefaction of microalga <i>Nannochloropsis Oceanica</i> activated by potassium carbonate for solid biofuel production.. <i>Environmental Research</i> , 2022 , 212, 113389	7.9	0
24	Latent Potential of Microalgal Biomass: Research Efforts and Challenges 2017 , 107-119		
23	Meet the Associate Editor. <i>Current Biochemical Engineering</i> , 2020 , 6, 2-2	2	
22	Integration of semi-batch cultivation and extraction for maximal lipid production in <i>Chlamydomonas</i> sp. Tai-03. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 463, 012101	0.3	
21	Meet the Editor-in-Chief. <i>Current Nutrition and Food Science</i> , 2022 , 18, 2-3	0.7	
20	Microalgae Harvest Technology 2022 , 1-26		
19	Adapting microalgae-based strategies for sustainable green cities.. <i>Biotechnology Journal</i> , 2022 , e2100586	8.6	
18	Microalgae as a potential sustainable solution to environment health.. <i>Chemosphere</i> , 2022 , 133740	8.4	
17	Environmental management of two of the world's most endangered marine and terrestrial predators: Vaquita and cheetah. <i>Environmental Research</i> , 2020 , 190, 109966	7.9	
16	Industrial Perspective of Industry 5.0 2021 , 305-310		
15	What Is Industry 5.0? 2021 , 57-93		
14	Industry 4.0 2021 , 33-56		
13	Application of Industry 5.0 in the Production of Fine Chemicals and Biopolymers 2021 , 229-256		
12	Associated Factors with the Success Rate of Laparoscopic Surgery for Fallopian Tubal Occlusion in Vietnamese Infertile Women. <i>Electronic Journal of General Medicine</i> , 2021 , 18, em298	2.1	
11	Food and Beverage Bio-manufacturing [Industry 5.0 2021 , 161-179		
10	Medicine and Pharmaceuticals Biomanufacturing [Industry 5.0 2021 , 135-160		
9	Ultrasound-assisted liquid biphasic system 2021 , 149-166		
8	Electricity-assisted liquid biphasic system 2021 , 187-204		

- 7 Flotation-assisted liquid biphasic system **2021**, 105-126
- 6 Polymer-based liquid biphasic system **2021**, 17-37
- 5 Extractive bioconversion liquid biphasic system **2021**, 243-262
- 4 Organic solventBased liquid biphasic system **2021**, 39-50
- 3 Adjuvants in the liquid biphasic system **2021**, 85-104
- 2 Extractive cell disruption liquid biphasic system **2021**, 205-221
- 1 Influence of sequential exogenous pretreatment and contact ultrasound-assisted air drying on the metabolic pathway of glucoraphanin in broccoli florets.. *Ultrasonics Sonochemistry*, **2022**, 84, 105977 8.9