

Microalgae biomass as a sustainable source for biofuel, high value-added products: An integrated biorefinery concept

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Biohydrogen Production From Biomass Sources: Metabolic Pathways and Economic Analysis. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	90
2	Strategies to Produce Cost-Effective Third-Generation Biofuel From Microalgae. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	61
3	Pyrolysis of waste oils for the production of biofuels: A critical review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127396.	6.5	35
4	Biohydrogen production from wastewater-based microalgae: Progresses and challenges. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37321-37342.	3.8	31
5	Challenges in microalgal biofuel production: A perspective on techno economic feasibility under biorefinery stratagem. <i>Bioresource Technology</i> , 2022, 343, 126155.	4.8	54
6	Estimation of the sustainable production of gaseous biofuels, generation of electricity, and reduction of greenhouse gas emissions using food waste in anaerobic digesters. <i>Fuel</i> , 2022, 310, 122346.	3.4	21
7	Electric fuel conversion with hydrogen production by multiphase plasma at ambient pressure. <i>Chemical Engineering Journal</i> , 2022, 433, 133660.	6.6	6
8	Experimental Study of the Corrosiveness of Ternary Blends of Biodiesel Fuel. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	0
9	Estimation of Sustainable Bioenergy Production from Olive Mill Solid Waste. <i>Energies</i> , 2021, 14, 7654.	1.6	9
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12	Synthesis and evaluation of cationic polyacrylamide and polyacrylate flocculants for harvesting freshwater and marine microalgae. <i>Chemical Engineering Journal</i> , 2022, 433, 133623.	6.6	14
13	Microorganism-mediated algal biomass processing for clean products manufacturing: Current status, challenges and future outlook. <i>Fuel</i> , 2022, 311, 122612.	3.4	13
14	Cyanobacteria: A Natural Source for Controlling Agricultural Plant Diseases Caused by Fungi and Oomycetes and Improving Plant Growth. <i>Horticulturae</i> , 2022, 8, 58.	1.2	25
15	Algae biorefinery: A promising approach to promote microalgae industry and waste utilization. <i>Journal of Biotechnology</i> , 2022, 345, 1-16.	1.9	34
16	Emerging trends and nanotechnology advances for sustainable biogas production from lignocellulosic waste biomass: A critical review. <i>Fuel</i> , 2022, 312, 122928.	3.4	51
17	Recent development patterns, utilization and prospective of biofuel production: Emerging nanotechnological intervention for environmental sustainability â€” A review. <i>Fuel</i> , 2022, 314, 122757.	3.4	44
18	Impact of cultivation conditions on microalgae biomass productivity and lipid content. <i>Materials Today: Proceedings</i> , 2022, 56, 282-290.	0.9	20

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20	Microalgae biomass pre-treatment with deep eutectic solvent to optimize lipid isolation in biodiesel production. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 133-143.	2.9	12
21	Software tools for microalgae biorefineries: Cultivation, separation, conversion process integration, modeling, and optimization. <i>Algal Research</i> , 2022, 61, 102597.	2.4	17
22	Microalgae binary culture for higher biomass production, nutrients recycling, and efficient harvesting: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1153-1168.	8.3	18
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28	Algal biorefinery: a potential solution to the food-“energy”-water-“environment nexus. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2623-2664.	2.5	11
29	Physiological and Biochemical Responses of Bicarbonate Supplementation on Biomass and Lipid Content of Green Algae <i>Scenedesmus</i> sp. BHU1 Isolated From Wastewater for Renewable Biofuel Feedstock. <i>Frontiers in Microbiology</i> , 2022, 13, 839800.	1.5	16
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33	Optimization of operating parameters for diesel engine fuelled with bio-oil derived from cottonseed pyrolysis. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102202.	1.7	3
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