

# Algae Under Pressure and in Hot Water

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cellobiose Decomposition in Hot-Compressed Water: Importance of Isomerization Reactions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 17006-17014.	1.8	36
2	Oil extraction by aminoparticle-based H <sub>2</sub> O <sub>2</sub> activation via wet microalgae harvesting. <i>RSC Advances</i> , 2013, 3, 12802.	1.7	51
3	An Î±-glucan isolated as a co-product of biofuel by hydrothermal liquefaction of <i>Chlorella sorokiniana</i> biomass. <i>Algal Research</i> , 2013, 2, 230-236.	2.4	28
5	Lipid extractions from docosahexaenoic acid (DHA)-rich and oleaginous <i>Chlorella</i> sp. biomasses by organic-nanoclays. <i>Bioresource Technology</i> , 2013, 137, 74-81.	4.8	66
6	Hydrothermal upgrading of algae paste: Application of <sup>31</sup> Pâ€NMR. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 1002-1012.	1.3	15
7	A perspective on algae, the environment, and energy. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 877-883.	1.3	27
8	Hydrothermal Treatment of Protein, Polysaccharide, and Lipids Alone and in Mixtures. <i>Energy &amp; Fuels</i> , 2014, 28, 7501-7509.	2.5	183
9	Solvents for sustainable chemical processes. <i>Green Chemistry</i> , 2014, 16, 1034-1055.	4.6	192
10	Energy positive domestic wastewater treatment: the roles of anaerobic and phototrophic technologies. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1204-1222.	1.7	119
11	Assessing the critical role of ecological goods and services in microalgal biofuel life cycles. <i>RSC Advances</i> , 2014, 4, 44980-44990.	1.7	11
12	Carbon dioxide bio-fixation and wastewater treatment via algae photochemical synthesis for biofuels production. <i>RSC Advances</i> , 2014, 4, 49672-49722.	1.7	76
13	Insights into the Primary Decomposition Mechanism of Cellobiose under Hydrothermal Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 14607-14616.	1.8	22
14	Catalytic Hydrothermal Liquefaction of a Microalga in a Two-Chamber Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 11939-11944.	1.8	25
15	Hydrothermal catalytic processing of pretreated algal oil: A catalyst screening study. <i>Fuel</i> , 2014, 120, 141-149.	3.4	125
17	A review of bio-oil production from hydrothermal liquefaction of algae. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 48, 776-790.	8.2	298
18	Prediction of microalgae hydrothermal liquefaction products from feedstock biochemical composition. <i>Green Chemistry</i> , 2015, 17, 3584-3599.	4.6	158
19	Industrialization prospects for hydrogen production by coal gasification in supercritical water and novel thermodynamic cycle power generation system with no pollution emission. <i>Science China Technological Sciences</i> , 2015, 58, 1989-2002.	2.0	88
20	Thermochemical conversion of low-lipid microalgae for the production of liquid fuels: challenges and opportunities. <i>RSC Advances</i> , 2015, 5, 18673-18701.	1.7	120

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21	Hydrothermal liquefaction of harvested high-ash low-lipid algal biomass from Dianchi Lake: Effects of operational parameters and relations of products. <i>Bioresource Technology</i> , 2015, 184, 336-343.	4.8	79
22	Hydrous pyrolysis of <i>Scenedesmus</i> algae and algaenan-like residue. <i>Organic Geochemistry</i> , 2015, 85, 89-101.	0.9	17
23	Site Variation in Life Cycle Energy and Carbon Footprints of Mallee Biomass Production in Western Australia. <i>Energy &amp; Fuels</i> , 2015, 29, 3748-3752.	2.5	9
24	Catalytic upgrading of pretreated algal oil with a two-component catalyst mixture in supercritical water. <i>Algal Research</i> , 2015, 9, 186-193.	2.4	40
25	Experimental Investigation on the Gasification Kinetic Model of a Char Particle in Supercritical Water. <i>Energy &amp; Fuels</i> , 2015, 29, 8053-8057.	2.5	33
26	Hydrothermal Reactions of Biomolecules Relevant for Microalgae Liquefaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 11733-11758.	1.8	128
27	Catalytic gasification of indole in supercritical water. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 202-210.	10.8	39
28	Advances in direct transesterification of algal oils from wet biomass. <i>Bioresource Technology</i> , 2015, 184, 267-275.	4.8	156
29	Direct production of aviation fuels from microalgae lipids in water. <i>Fuel</i> , 2015, 139, 678-683.	3.4	55
30	Review of Water Consumption and Water Conservation Technologies in the Algal Biofuel Process. <i>Water Environment Research</i> , 2016, 88, 21-28.	1.3	11
31	Hydrothermal gasification of <i>Cladophora glomerata</i> macroalgae over its hydrochar as a catalyst for hydrogen-rich gas production. <i>Bioresource Technology</i> , 2016, 222, 232-241.	4.8	96
32	Promotion of hydrogen-rich gas and phenolic-rich bio-oil production from green macroalgae <i>Cladophora glomerata</i> via pyrolysis over its bio-char. <i>Bioresource Technology</i> , 2016, 219, 643-651.	4.8	113
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36	Prospects for commercial production of diatoms. <i>Biotechnology for Biofuels</i> , 2017, 10, 16.	6.2	104
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40	Application of Algae as Cosubstrate To Enhance the Processability of Willow Wood for Continuous Hydrothermal Liquefaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 4562-4571.	1.8	33
41	An Insight into the Selective Conversion of Bamboo Biomass to Ethyl Glycosides. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5880-5886.	3.2	19
42	Hydrothermal liquefaction of <i>Cyanidioschyzon merolae</i> and the influence of catalysts on products. <i>Bioresource Technology</i> , 2017, 223, 91-97.	4.8	89
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50	Hydrothermal Conversion of Cd-Enriched Rice Straw and Cu-Enriched <i>Elsholtzia splendens</i> with the Aims of Harmless Treatment and Resource Reuse. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 15683-15689.	1.8	16
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54	Influence of Fe/HZSM-5 catalyst on elemental distribution and product properties during hydrothermal liquefaction of <i>Nannochloropsis</i> sp.. <i>Algal Research</i> , 2018, 35, 1-9.	2.4	28
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60	Hydrothermal upgradation of algae into value-added hydrocarbons. , 2019, , 435-459.		1
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66	Sustainable energy and fuels from biomass: a review focusing on hydrothermal biomass processing. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4390-4414.	2.5	140
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68	Highly efficient conversion of oleic acid to heptadecane without external hydrogen source over atomic layer deposited bimetallic NiPt catalysts. <i>Chemical Engineering Journal</i> , 2020, 390, 124603.	6.6	17
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85	Sustainable processing of algal biomass for a comprehensive biorefinery. <i>Journal of Biotechnology</i> , 2022, 352, 47-58.	1.9	15
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