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Carbon-Negative Biofuel Production

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#	Paper	IF	Citations
21	Production Chain of First-Generation Sugarcane Bioethanol: Characterization and Value-Added Application of Wastes. <i>Bioenergy Research</i> , 1	3.1	4
20	Adsorption of CO ₂ by nitrogen doped corn straw based biochar. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	0
19	Evaluation of the feasibility of ethanol and gasoline in solid oxide fuel cell vehicles in Brazil. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 36381-36381	6.7	2
18	Influence of functional groups on low-temperature combustion chemistry of biofuels. <i>Progress in Energy and Combustion Science</i> , 2021 , 86, 100925	33.6	14
17	Replacing liquid fossil fuels and hydrocarbon chemical feedstocks with liquid biofuels from large-scale nuclear biorefineries. <i>Applied Energy</i> , 2021 , 298, 117225	10.7	9
16	Economic, energetic, and environmental analysis of lignocellulosic biorefineries with carbon capture. <i>Applied Energy</i> , 2021 , 302, 117539	10.7	4
15	Decarbonising Industry via BECCS: Promising Sectors, Challenges, and Techno-economic Limits of Negative Emissions. <i>Current Sustainable/Renewable Energy Reports</i> , 1	2.8	2
14	Microstructure and durability performance of sustainable cementitious composites containing high-volume regenerative biosilica. <i>Resources, Conservation and Recycling</i> , 2022 , 178, 106038	11.9	3
13	Realizing Net-zero-carbon sustainable aviation fuel. <i>Joule</i> , 2022 , 6, 16-21	27.8	3
12	Life Cycle Greenhouse Gas Emissions Reduction Potential for Corn Ethanol Refining in the United States. <i>Biofuels, Bioproducts and Biorefining</i> ,	5.3	0
11	Methane, a renewable biofuel: from organic waste to bioenergy. <i>Biofuels</i> , 1-11	2	0
10	Thorough evaluation of the available light-duty engine technologies to reduce greenhouse gases emissions in Brazil. <i>Journal of Cleaner Production</i> , 2022 , 358, 132051	10.3	1
9	Analysis of alternative bioenergy with carbon capture strategies: present and future. <i>Energy and Environmental Science</i> ,	35.4	0
8	Application potential analysis of biochar as a carbon capture material in cementitious composites: A review. 2022 , 350, 128715		2
7	Oxidation study of n-propylamine with SVUV-photoionization molecular-beam mass spectrometry. 2022 ,		0
6	Ethanol to diesel: a sustainable alternative for the heavy-duty transportation sector.		0
5	Comparative life cycle assessment of corn stover conversion by decentralized biomass pyrolysis-electrocatalytic hydrogenation versus ethanol fermentation.		0

4	Global warming intensity of biofuel derived from switchgrass grown on marginal land in Michigan.	o
3	Implications of Biorefinery Policy Incentives and Location-Specific Economic Parameters for the Financial Viability of Biofuels. 2023 , 57, 2262-2271	o
2	Kinetic Modelling for Hydrothermal Conversion of Food Wastes. 2023 , 4, 526-542	o
1	Leveraging the bioeconomy for carbon drawdown.	o