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Environmental and economic tradeoffs of using corn stover for liquid fuels and power production

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Energy and Environmental Science, 2015, 8, 1428-1437.

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#	Paper	IF	Citations
26	The limits of bioenergy for mitigating global life-cycle greenhouse gas emissions from fossil fuels. <i>Nature Energy</i> , 2017 , 2,	62.3	61
25	Managing Feedstock Supply Risk for the Development of a US Stover Biofuel Industry. <i>Bioenergy Research</i> , 2017 , 10, 671-687	3.1	5
24	Economic and environmental assessment of cellulosic ethanol production scenarios annexed to a typical sugar mill. <i>Bioresource Technology</i> , 2017 , 224, 314-326	11	56
23	A Maize Gene Regulatory Network for Phenolic Metabolism. <i>Molecular Plant</i> , 2017 , 10, 498-515	14.4	34
22	Insect biorefinery: a green approach for conversion of crop residues into biodiesel and protein. <i>Biotechnology for Biofuels</i> , 2017 , 10, 304	7.8	71
21	Aviation CO2 emissions reductions from the use of alternative jet fuels. <i>Energy Policy</i> , 2018 , 114, 342-354	4.2	81
20	Total environmental impacts of biofuels from corn stover using a hybrid life cycle assessment model combining process life cycle assessment and economic input-output life cycle assessment. <i>Integrated Environmental Assessment and Management</i> , 2018 , 14, 139-149	2.5	11
19	The current and emerging sources of technical lignins and their applications. <i>Biofuels, Bioproducts and Biorefining</i> , 2018 , 1-32	5.3	66
18	Technoeconomic feasibility of a sustainable charcoal industry to reduce deforestation in Haiti. <i>Sustainable Energy Technologies and Assessments</i> , 2018 , 29, 131-138	4.7	2
17	Bioethanol from corn stover □ Global warming footprint of alternative biotechnologies. <i>Applied Energy</i> , 2019 , 247, 237-253	10.7	31
16	Using dynamic relative climate impact curves to quantify the climate impact of bioenergy production systems over time. <i>GCB Bioenergy</i> , 2019 , 11, 427-443	5.6	3
15	Bioethanol from corn stover □ Integrated environmental impacts of alternative biotechnologies. <i>Resources, Conservation and Recycling</i> , 2020 , 155, 104652	11.9	13
14	Techno-Economic and Environmental Assessment of Biomass Gasification and Fischer□Tropsch Synthesis Integrated to Sugarcane Biorefineries. <i>Energies</i> , 2020 , 13, 4576	3.1	21
13	Environmental-friendly corn stover/poly(butylene adipate-co-terephthalate) biocomposites. <i>Materials Today Communications</i> , 2020 , 25, 101541	2.5	5
12	Bio-aviation Fuel: A Comprehensive Review and Analysis of the Supply Chain Components. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	46
11	Metal phosphate catalysts to upgrade lignocellulose biomass into value-added chemicals and biofuels. <i>Green Chemistry</i> , 2021 , 23, 3818-3841	10	13
10	The effect of corn straw return on corn production in Northeast China: An integrated regional evaluation with meta-analysis and system dynamics. <i>Resources, Conservation and Recycling</i> , 2021 , 167, 105402	11.9	12

9	High pressure systems as sustainable extraction and pre-treatment technologies for a holistic corn stover biorefinery. <i>BMC Chemistry</i> , 2021 , 15, 37	3.7	5
8	Bottlenecks and potentials for the gasification of lignocellulosic biomasses and Fischer-Tropsch synthesis: A case study on the production of advanced liquid biofuels in Brazil. <i>Energy Conversion and Management</i> , 2021 , 245, 114629	10.6	2
7	Isolation and Efficient Maize Protoplast Transformation. <i>Bio-protocol</i> , 2019 , 9,	0.9	3
6	Biomass sugar-powered enzymatic fuel cells based on a synthetic enzymatic pathway.. <i>Bioelectrochemistry</i> , 2021 , 144, 108008	5.6	0
5	Effects of storage temperature and time on enzymatic digestibility and fermentability of Densifying lignocellulosic biomass with chemicals pretreated corn stover. <i>Bioresource Technology</i> , 2021 , 347, 126359	11	1
4	Data_Sheet_1.docx. 2020 ,		
3	StrawFeed model: An integrated model of straw feedstock supply chain for bioenergy in China. <i>Resources, Conservation and Recycling</i> , 2022 , 185, 106439	11.9	0
2	Barter mode: The institutional innovation for affordable and clean energy (SDG7) in rural China. 2023 , 170, 106725		0
1	Economic opportunities and challenges in biojet production: A literature review and analysis. 2023 , 170, 106727		0