

CITATION REPORT

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Economic and environmental assessment of current (2015) and future (2030) use of E-fuels in light-duty vehicles in Germany

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#	Paper	IF	Citations
38	Flexible Carbon Capture and Utilization technologies in future energy systems and the utilization pathways of captured CO ₂ . <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 114, 109338	16.2	64
37	Utilising carbon dioxide for transport fuels: The economic and environmental sustainability of different Fischer-Tropsch process designs. <i>Applied Energy</i> , 2019 , 253, 113560	10.7	18
36	Optimal Applications and Combinations of Renewable Fuel Production from Biomass and Electricity. <i>Energy & Fuels</i> , 2019 , 33, 1659-1672	4.1	26
35	Diversity in transportation: Why a mix of propulsion technologies is the way forward for the future fleet. <i>Results in Engineering</i> , 2019 , 4, 100060	3.3	46
34	Integrated design of renewable fuels and their production processes: recent advances and challenges. <i>Current Opinion in Chemical Engineering</i> , 2020 , 27, 45-50	5.4	12
33	Preparation of Synthesis Gas from CO ₂ for Fischer-Tropsch Synthesis-Comparison of Alternative Process Configurations. <i>Journal of Carbon Research</i> , 2020 , 6, 55	3.3	3
32	Opportunities and Challenges of Flexible Electricity-Based Fuel Production for the European Power System. <i>Sustainability</i> , 2020 , 12, 9844	3.6	0
31	Energy, economic, and social impacts of a clean energy economic policy: Fuel cells deployment in Delaware. <i>Energy Policy</i> , 2020 , 144, 111617	7.2	7
30	Power-to-Liquid catalytic CO ₂ valorization into fuels and chemicals: focus on the Fischer-Tropsch route. <i>Journal of CO₂ Utilization</i> , 2020 , 38, 314-347	7.6	50
29	Solar water splitting under natural concentrated sunlight using a 200cm ² photoelectrochemical-photovoltaic device. <i>Journal of Power Sources</i> , 2020 , 454, 227890	8.9	14
28	Energy performance of Power-to-Liquid applications integrating biogas upgrading, reverse water gas shift, solid oxide electrolysis and Fischer-Tropsch technologies. <i>Energy Conversion and Management: X</i> , 2020 , 6, 100041	2.5	9
27	Analytical Review of Life-Cycle Environmental Impacts of Carbon Capture and Utilization Technologies. <i>ChemSusChem</i> , 2021 , 14, 995-1015	8.3	15
26	Challenges for turbulent combustion. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 121-155	5.9	13
25	A review on biofuels for light-duty vehicles in Europe. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 137, 110398	16.2	36
24	CO ₂ from direct air capture as carbon feedstock for Fischer-Tropsch chemicals and fuels: Energy and economic analysis. <i>Journal of CO₂ Utilization</i> , 2021 , 46, 101487	7.6	15
23	The effects of innovative blends of petrol with renewable fuels on the exhaust emissions of a GDI Euro 6d-TEMP car. <i>Fuel</i> , 2021 , 294, 120483	7.1	3
22	Healthcare Sustainability Evaluation Using a Hybrid Fuzzy Multi-Criteria Decision-Making Model. <i>International Journal of Fuzzy Systems</i> , 1	3.6	1

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20	Assessing public acceptance of the life cycle of CO ₂ -based fuels: Does information make the difference?. <i>Energy Policy</i> , 2020 , 143, 111586	7.2	8
19	Mobile hydrogen reformers as a novel approach to decarbonise the transport sector. <i>Current Opinion in Chemical Engineering</i> , 2021 , 34, 100756	5.4	1
18	An Overview of Promising Alternative Fuels for Road, Rail, Air, and Inland Waterway Transport in Germany. <i>Energies</i> , 2022 , 15, 1443	3.1	1
17	Efficient production of renewable hydrocarbon fuels using waste CO ₂ and green H ₂ by integrating Fe-based Fischer-Tropsch synthesis and olefin oligomerization. <i>Energy</i> , 2022 , 248, 123616	7.9	1
16	A Circular Approach for Making Fischer-Tropsch E-fuels and E-chemicals From Biogas Plants in Europe. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	0
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- 1 Examining the Patent Landscape of E-Fuel Technology. **2023**, 16, 2139 ○