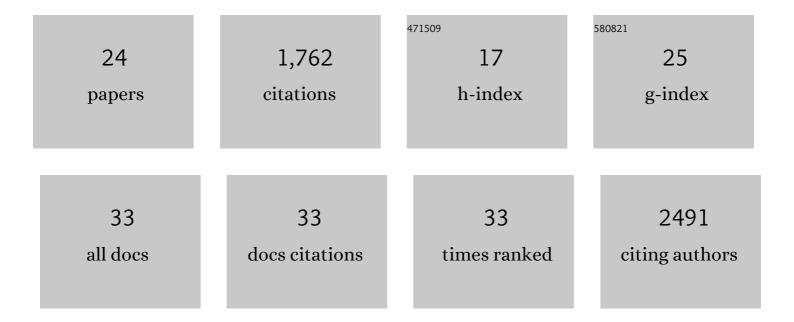
Hao Cai

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Whole-building life-cycle analysis with a new GREET® tool: Embodied greenhouse gas emissions and payback period of a LEED-Certified library. Building and Environment, 2022, 209, 108664.	6.9	16
2	Techno-economic Analysis and Life-Cycle Analysis of Renewable Diesel Fuels Produced with Waste Feedstocks. ACS Sustainable Chemistry and Engineering, 2022, 10, 382-393.	6.7	28
3	Environmental, Economic, and Scalability Considerations of Selected Bio-Derived Blendstocks for Mixing-Controlled Compression Ignition Engines. ACS Sustainable Chemistry and Engineering, 2022, 10, 6699-6712.	6.7	13
4	Provincial Greenhouse Gas Emissions of Gasoline and Plug-in Electric Vehicles in China: Comparison from the Consumption-Based Electricity Perspective. Environmental Science & Technology, 2021, 55, 6944-6956.	10.0	38
5	Dynamic life-cycle carbon analysis for fast pyrolysis biofuel produced from pine residues: implications of carbon temporal effects. Biotechnology for Biofuels, 2021, 14, 191.	6.2	14
6	Future private car stock in China: current growth pattern and effects of car sales restriction. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 289-306.	2.1	23
7	Robust paths to net greenhouse gas mitigation and negative emissions via advanced biofuels. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21968-21977.	7.1	110
8	Carbon footprint of global natural gas supplies to China. Nature Communications, 2020, 11, 824.	12.8	54
9	Dynamic Life-Cycle Analysis of Fast Pyrolysis Biorefineries: Impacts of Feedstock Moisture Content and Particle Size. ACS Sustainable Chemistry and Engineering, 2020, 8, 6211-6221.	6.7	11
10	Co-optimization of Heavy-Duty Fuels and Engines: Cost Benefit Analysis and Implications. Environmental Science & Technology, 2019, 53, 12904-12913.	10.0	14
11	Environmental, Economic, and Scalability Considerations and Trends of Selected Fuel Economy-Enhancing Biomass-Derived Blendstocks. ACS Sustainable Chemistry and Engineering, 2018, 6, 561-569.	6.7	28
12	Techno-Economic Analysis and Life-Cycle Analysis of Two Light-Duty Bioblendstocks: Isobutanol and Aromatic-Rich Hydrocarbons. ACS Sustainable Chemistry and Engineering, 2018, 6, 8790-8800.	6.7	18
13	Driving towards cost-competitive biofuels through catalytic fast pyrolysis by rethinking catalyst selection and reactor configuration. Energy and Environmental Science, 2018, 11, 2904-2918.	30.8	95
14	Lifeâ€cycle analysis of integrated biorefineries with coâ€production of biofuels and bioâ€based chemicals: coâ€product handling methods and implications. Biofuels, Bioproducts and Biorefining, 2018, 12, 815-833.	3.7	53
15	Life cycle assessment of fuel ethanol produced from soluble sugar in sweet sorghum stalks in North China. Journal of Cleaner Production, 2017, 161, 335-344.	9.3	24
16	Cellulosic ethanol: status and innovation. Current Opinion in Biotechnology, 2017, 45, 202-211.	6.6	316
17	An assessment of the potential products and economic and environmental impacts resulting from a billion ton bioeconomy. Biofuels, Bioproducts and Biorefining, 2017, 11, 110-128.	3.7	71
18	Wells to wheels: water consumption for transportation fuels in the United States. Energy and Environmental Science, 2016, 9, 787-802.	30.8	67

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#	Article	IF	CITATIONS
19	Well-to-Wheels Greenhouse Gas Emissions of Canadian Oil Sands Products: Implications for U.S. Petroleum Fuels. Environmental Science & Technology, 2015, 49, 8219-8227.	10.0	51
20	Energy Efficiency and Greenhouse Gas Emission Intensity of Petroleum Products at U.S. Refineries. Environmental Science & Technology, 2014, 48, 7612-7624.	10.0	103
21	Consideration of Black Carbon and Primary Organic Carbon Emissions in Life-Cycle Analysis of Greenhouse Gas Emissions of Vehicle Systems and Fuels. Environmental Science & Technology, 2014, 48, 12445-12453.	10.0	16
22	Life-cycle analysis of bio-based aviation fuels. Bioresource Technology, 2013, 150, 447-456.	9.6	118
23	Life-cycle energy use and greenhouse gas emissions of production of bioethanol from sorghum in the United States. Biotechnology for Biofuels, 2013, 6, 141.	6.2	49
24	Well-to-wheels energy use and greenhouse gas emissions of ethanol from corn, sugarcane and cellulosic biomass for US use. Environmental Research Letters, 2012, 7, 045905.	5.2	379