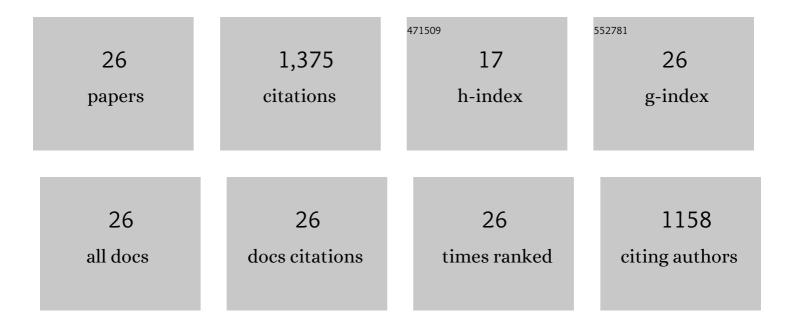
Jamison Watson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Gasification of biowaste: A critical review and outlooks. Renewable and Sustainable Energy Reviews, 2018, 83, 1-17.	16.4	216
2	Valorization of hydrothermal liquefaction aqueous phase: pathways towards commercial viability. Progress in Energy and Combustion Science, 2020, 77, 100819.	31.2	204
3	Simultaneous production of biocrude oil and recovery of nutrients and metals from human feces via hydrothermal liquefaction. Energy Conversion and Management, 2017, 134, 340-346.	9.2	106
4	Accelerating anaerobic digestion for methane production: Potential role of direct interspecies electron transfer. Renewable and Sustainable Energy Reviews, 2021, 145, 111069.	16.4	86
5	Environment-enhancing process for algal wastewater treatment, heavy metal control and hydrothermal biofuel production: A critical review. Bioresource Technology, 2020, 298, 122421.	9.6	80
6	Anaerobic conversion of the hydrothermal liquefaction aqueous phase: fate of organics and intensification with granule activated carbon/ozone pretreatment. Green Chemistry, 2019, 21, 1305-1318.	9.0	79
7	Biocrude production and heavy metal migration during hydrothermal liquefaction of swine manure. Chemical Engineering Research and Design, 2018, 115, 108-115.	5.6	74
8	Elemental migration and characterization of products during hydrothermal liquefaction of cornstalk. Bioresource Technology, 2017, 243, 9-16.	9.6	72
9	Effects of the extraction solvents in hydrothermal liquefaction processes: Biocrude oil quality and energy conversion efficiency. Energy, 2019, 167, 189-197.	8.8	67
10	Elemental migration and transformation during hydrothermal liquefaction of biomass. Journal of Hazardous Materials, 2022, 423, 126961.	12.4	59
11	Adsorption or direct interspecies electron transfer? A comprehensive investigation of the role of biochar in anaerobic digestion of hydrothermal liquefaction aqueous phase. Chemical Engineering Journal, 2022, 435, 135078.	12.7	52
12	Influence of catalysts on hydrogen production from wastewater generated from the HTL of human feces via catalytic hydrothermal gasification. International Journal of Hydrogen Energy, 2017, 42, 20503-20511.	7.1	51
13	Biohythane production of post-hydrothermal liquefaction wastewater: A comparison of two-stage fermentation and catalytic hydrothermal gasification. Bioresource Technology, 2019, 274, 335-342.	9.6	38
14	Continuous treatment of hydrothermal liquefaction wastewater in an anaerobic biofilm reactor: Potential role of granular activated carbon. Journal of Cleaner Production, 2020, 276, 122836.	9.3	26
15	Improve the biodegradability of post-hydrothermal liquefaction wastewater with ozone: conversion of phenols and N-heterocyclic compounds. Water Science and Technology, 2018, 2017, 248-255.	2.5	23
16	Biocrude Oil from Algal Bloom Microalgae: A Novel Integration of Biological and Thermochemical Techniques. Environmental Science & Technology, 2021, 55, 1973-1983.	10.0	20
17	Towards transportation fuel production from food waste: Potential of biocrude oil distillates for gasoline, diesel, and jet fuel. Fuel, 2021, 301, 121028.	6.4	20
18	Establishment and performance of a plug-flow continuous hydrothermal reactor for biocrude oil production. Fuel, 2020, 280, 118605.	6.4	19

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#	Article	IF	CITATIONS
19	Enhancing energy recovery via two stage co-fermentation of hydrothermal liquefaction aqueous phase and crude glycerol. Energy Conversion and Management, 2021, 231, 113855.	9.2	16
20	An innovative multistage anaerobic hythane reactor (MAHR): Metabolic flux, thermodynamics and microbial functions. Water Research, 2020, 169, 115216.	11.3	15
21	Development of a mobile, pilot scale hydrothermal liquefaction reactor: Food waste conversion product analysis and techno-economic assessment. Energy Conversion and Management: X, 2021, 10, 100076.	1.6	15
22	Reduce recalcitrance of cornstalk using post-hydrothermal liquefaction wastewater pretreatment. Bioresource Technology, 2019, 279, 57-66.	9.6	11
23	Diesel blends produced via emulsification of hydrothermal liquefaction biocrude from food waste. Fuel, 2022, 324, 124817.	6.4	10
24	Characterization and bioremediation potential of byproducts from hydrothermal liquefaction of food wastes. Bioresource Technology Reports, 2020, 12, 100555.	2.7	8
25	In Situ hydrochar regulates Cu fate and speciation: Insights into transformation mechanism. Journal of Hazardous Materials, 2021, 410, 124616.	12.4	5
26	Techno-economic assessment of HTL integration to the Brazilian sugarcane industry: An evaluation of different scenarios. Industrial Crops and Products, 2021, 173, 114139.	5.2	3