

# Jamison Watson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10847007/publications.pdf>

Version: 2024-02-01

26  
papers

1,375  
citations

471509

17  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gasification of biowaste: A critical review and outlooks. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 83, 1-17.	16.4	216
2	Valorization of hydrothermal liquefaction aqueous phase: pathways towards commercial viability. <i>Progress in Energy and Combustion Science</i> , 2020, 77, 100819.	31.2	204
3	Simultaneous production of biocrude oil and recovery of nutrients and metals from human feces via hydrothermal liquefaction. <i>Energy Conversion and Management</i> , 2017, 134, 340-346.	9.2	106
4	Accelerating anaerobic digestion for methane production: Potential role of direct interspecies electron transfer. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111069.	16.4	86
5	Environment-enhancing process for algal wastewater treatment, heavy metal control and hydrothermal biofuel production: A critical review. <i>Bioresource Technology</i> , 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. <i>Green Chemistry</i> , 2019, 21, 1305-1318.	9.0	79
7	Biocrude production and heavy metal migration during hydrothermal liquefaction of swine manure. <i>Chemical Engineering Research and Design</i> , 2018, 115, 108-115.	5.6	74
8	Elemental migration and characterization of products during hydrothermal liquefaction of cornstalk. <i>Bioresource Technology</i> , 2017, 243, 9-16.	9.6	72
9	Effects of the extraction solvents in hydrothermal liquefaction processes: Biocrude oil quality and energy conversion efficiency. <i>Energy</i> , 2019, 167, 189-197.	8.8	67
10	Elemental migration and transformation during hydrothermal liquefaction of biomass. <i>Journal of Hazardous Materials</i> , 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. <i>Chemical Engineering Journal</i> , 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. <i>International Journal of Hydrogen Energy</i> , 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. <i>Bioresource Technology</i> , 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. <i>Journal of Cleaner Production</i> , 2020, 276, 122836.	9.3	26
15	Improve the biodegradability of post-hydrothermal liquefaction wastewater with ozone: conversion of phenols and N-heterocyclic compounds. <i>Water Science and Technology</i> , 2018, 2017, 248-255.	2.5	23
16	Biocrude Oil from Algal Bloom Microalgae: A Novel Integration of Biological and Thermochemical Techniques. <i>Environmental Science &amp; Technology</i> , 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. <i>Fuel</i> , 2021, 301, 121028.	6.4	20
18	Establishment and performance of a plug-flow continuous hydrothermal reactor for biocrude oil production. <i>Fuel</i> , 2020, 280, 118605.	6.4	19

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