Daniele Castello

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Role of Catalysts in Biomass Hydrothermal Liquefaction and Biocrude Upgrading. Processes, 2022, 10, 207.	2.8	30
2	Hydrotreating of bio-crude obtained from hydrothermal liquefaction of biopulp: effects of aqueous phase recirculation on the hydrotreated oil. Sustainable Energy and Fuels, 2022, 6, 2805-2822.	4.9	5
3	Demineralization of Miscanthus Biocrude Obtained from Catalytic Hydrothermal Liquefaction: Conditioning through Acid Washing. Processes, 2021, 9, 1035.	2.8	5
4	The Art of Smooth Continuous Hydroprocessing of Biocrudes Obtained from Hydrothermal Liquefaction: Hydrodemetallization and Propensity for Coke Formation. Energy & Fuels, 2021, 35, 10611-10622.	5.1	26
5	Modeling and process optimization of hydrothermal gasification for hydrogen production: A comprehensive review. Journal of Supercritical Fluids, 2021, 173, 105199.	3.2	60
6	Co-processing of Hydrothermal Liquefaction Sewage Sludge Biocrude with a Fossil Crude Oil by Codistillation: A Detailed Characterization Study by FTICR Mass Spectrometry. Energy & Fuels, 2021, 35, 13830-13839.	5.1	18
7	Continuous co-processing of HTL bio-oil with renewable feed for drop-in biofuels production for sustainable refinery processes. Fuel, 2021, 306, 121579.	6.4	17
8	Two-stage catalytic hydrotreatment of highly nitrogenous biocrude from continuous hydrothermal liquefaction: A rational design of the stabilization stage. Biomass and Bioenergy, 2020, 139, 105658.	5.7	48
9	Catalytic upgrading of hydrothermal liquefaction biocrudes: Different challenges for different feedstocks. Renewable Energy, 2019, 141, 420-430.	8.9	123
10	Kinetics of long chain n-paraffin dehydrogenation over a commercial Pt-Sn-K-Mg/γ-Al2O3 catalyst: Model studies using n-dodecane. Applied Catalysis A: General, 2019, 579, 130-140.	4.3	9
11	Is it possible to increase the oil yield of catalytic pyrolysis of biomass? A study using commercially-available acid and basic catalysts in ex-situ and in-situ modus. Journal of Analytical and Applied Pyrolysis, 2019, 137, 77-85.	5.5	25
12	Catalytic Hydrotreatment of Microalgae Biocrude from Continuous Hydrothermal Liquefaction: Heteroatom Removal and Their Distribution in Distillation Cuts. Energies, 2018, 11, 3360.	3.1	45
13	Continuous Hydrothermal Liquefaction of Biomass: A Critical Review. Energies, 2018, 11, 3165.	3.1	195
14	Coprocessing of pyrolysis oil in refineries. , 2018, , 293-317.		11
15	Granular Activated Carbon from Grape Seeds Hydrothermal Char. Applied Sciences (Switzerland), 2018, 8, 331.	2.5	41
16	Supercritical Water Gasification of Biomass in a Ceramic Reactor: Long-Time Batch Experiments. Energies, 2017, 10, 1734.	3.1	33
17	Agro-industrial waste to solid biofuel through hydrothermal carbonization. Waste Management, 2016, 47, 114-121.	7.4	192
18	Low temperature supercritical water gasification of biomass constituents: Glucose/phenol mixtures. Biomass and Bioenergy, 2015, 73, 84-94.	5.7	56

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#	Article	IF	CITATIONS
19	Hydrothermal carbonization of off-specification compost: A byproduct of the organic municipal solid waste treatment. Bioresource Technology, 2015, 182, 217-224.	9.6	84
20	Supercritical water gasification of biomass: AÂstoichiometric thermodynamic model. International Journal of Hydrogen Energy, 2015, 40, 6771-6781.	7.1	34
21	Thermodynamic Analysis of the Supercritical Water Gasification of Biomass. Biofuels and Biorefineries, 2014, , 99-129.	0.5	0
22	Supercritical CO2 fractionation of omega-3 lipids from fish by-products: Plant and process design, modeling, economic feasibility. Food and Bioproducts Processing, 2014, 92, 120-132.	3.6	23
23	Supercritical water gasification of hydrochar. Chemical Engineering Research and Design, 2014, 92, 1864-1875.	5.6	38
24	Biomass gasification in supercritical and subcritical water: The effect of the reactor material. Chemical Engineering Journal, 2013, 228, 535-544.	12.7	50
25	Kinetics modeling and main reaction schemes for the supercritical water gasification of methanol. Journal of Supercritical Fluids, 2012, 69, 64-74.	3.2	26
26	Supercritical water gasification of biomass for H2 production: Process design. Bioresource Technology, 2012, 121, 139-147.	9.6	93
27	Supercritical water gasification of biomass: Thermodynamic constraints. Bioresource Technology, 2011, 102, 7574-7582.	9.6	126