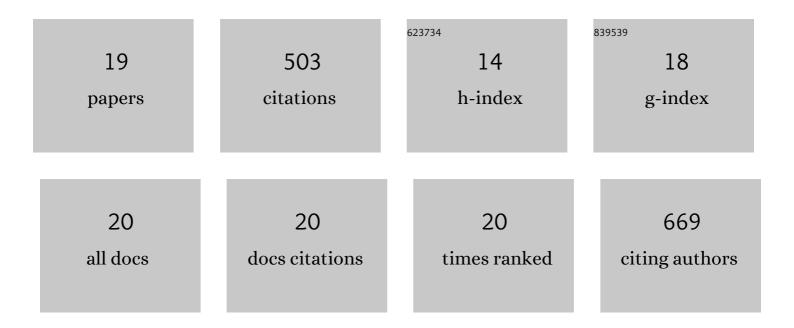
## Vittoria Benedetti

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Characterization of char from biomass gasification and its similarities with activated carbon in adsorption applications. Applied Energy, 2018, 227, 92-99.	10.1	132
2	Gasification Char as a Potential Substitute of Activated Carbon in Adsorption Applications. Energy Procedia, 2017, 105, 712-717.	1.8	45
3	CO2 Adsorption study on pure and chemically activated chars derived from commercial biomass gasifiers. Journal of CO2 Utilization, 2019, 33, 46-54.	6.8	45
4	State-of-the-art of small-scale biomass gasification systems: An extensive and unique monitoring review. Energy, 2021, 223, 120039.	8.8	45
5	Phytotoxicity of hydrochars obtained by hydrothermal carbonization of manure-based digestate. Journal of Environmental Management, 2021, 280, 111635.	7.8	40
6	Investigating the feasibility of valorizing residual char from biomass gasification as catalyst support in Fischer-Tropsch synthesis. Renewable Energy, 2020, 147, 884-894.	8.9	22
7	Thermodynamics of hydrothermal carbonization: Assessment of the heat release profile and process enthalpy change. Fuel Processing Technology, 2020, 197, 106206.	7.2	21
8	The "COFFEE BIN―concept: centralized collection and torrefaction of spent coffee grounds. Environmental Science and Pollution Research, 2019, 26, 35473-35481.	5.3	20
9	Evaluating the Aqueous Phase From Hydrothermal Carbonization of Cow Manure Digestate as Possible Fertilizer Solution for Plant Growth. Frontiers in Plant Science, 2021, 12, 687434.	3.6	19
10	Kinetic analysis of hydrothermal carbonization using high-pressure differential scanning calorimetry applied to biomass. Applied Energy, 2020, 265, 114810.	10.1	17
11	Techno-economic assessment of an integrated biomass gasification, electrolysis, and syngas biomethanation process. Biomass Conversion and Biorefinery, 2021, 11, 445-459.	4.6	16
12	Coupling hydrothermal carbonization of digestate and supercritical water gasification of liquid products. Renewable Energy, 2021, 173, 934-941.	8.9	16
13	Fuel-Rich Combustion Synthesized Co/Al <sub>2</sub> O <sub>3</sub> Catalysts for Wax and Liquid Fuel Production via Fischer–Tropsch Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 3833-3843.	3.7	14
14	Valorization of Char From Biomass Gasification as Catalyst Support in Dry Reforming of Methane. Frontiers in Chemistry, 2019, 7, 119.	3.6	14
15	Contribution of Metal-Organic-Heat Carrier nanoparticles in a R245fa low-grade heat recovery Organic Rankine Cycle. Energy Conversion and Management, 2019, 199, 111960.	9.2	13
16	Combustion kinetics of hydrochar from cow-manure digestate via thermogravimetric analysis and peak deconvolution. Bioresource Technology, 2022, 353, 127142.	9.6	11
17	Valorization of Biomass Gasification Char as Filler in Polymers and Comparison with Carbon Black. Waste and Biomass Valorization, 2021, 12, 3485-3496.	3.4	8
18	Recycled Carbon-based Strain Sensors: An Ecofriendly Approach using Char and Coconut Oil. , 2021, , .		3

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#	Article	IF	CITATIONS
19	Fuel-lean combustion synthesized cobalt catalysts for Fischer-Tropsch reaction. Catalysis Today, 2021, 379, 105-113.	4.4	2