

Vittoria Benedetti

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

503
citations

623734

14
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

669
citing authors

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

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