

Elisa Savuto

List of Publications by Year in descending order

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16
papers

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933447

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docs citations

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times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Steam reforming of tar model compounds over Ni/Mayenite catalysts: effect of Ce addition. <i>Fuel</i> , 2018, 224, 676-686.	6.4	72
2	Reforming of tar contained in a raw fuel gas from biomass gasification using nickel-mayenite catalyst. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9088-9095.	7.1	62
3	Characterization and performance analysis of an innovative Ni/Mayenite catalyst for the steam reforming of raw syngas. <i>Fuel</i> , 2017, 194, 348-356.	6.4	31
4	Syngas conditioning by ceramic filter candles filled with catalyst pellets and placed inside the freeboard of a fluidized bed steam gasifier. <i>Fuel Processing Technology</i> , 2019, 191, 44-53.	7.2	26
5	Development of a CFD model for the simulation of tar and methane steam reforming through a ceramic catalytic filter. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7991-8004.	7.1	23
6	Poplar from phytoremediation as a renewable energy source: gasification properties and pollution analysis. <i>Energy Procedia</i> , 2017, 142, 924-931.	1.8	23
7	The Case Study of an Innovative Small Scale Biomass Waste Gasification Heat and Power Plant Contextualized in a Farm. <i>Energy Procedia</i> , 2015, 82, 335-342.	1.8	16
8	Steam gasification of lignite and solid recovered fuel (SRF) in a bench scale fluidized bed gasifier. <i>Waste Management</i> , 2020, 114, 341-350.	7.4	16
9	DEA (data envelopment analysis)-assisted supporting measures for ground coupled heat pumps implementing in Italy: A case study. <i>Energy</i> , 2015, 90, 1967-1972.	8.8	11
10	Steam Gasification of Lignite in a Bench-Scale Fluidized-Bed Gasifier Using Olivine as Bed Material. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2931.	2.5	11
11	Cold model testing of an innovative dual bubbling fluidized bed steam gasifier. <i>Chemical Engineering Journal</i> , 2019, 377, 119689.	12.7	8
12	3D-CFD simulation of catalytic filter candles for particulate abatement and tar and methane steam reforming inside the freeboard of a gasifier. <i>Chemical Engineering Journal</i> , 2019, 377, 120290.	12.7	7
13	Preliminary Results of Biomass Gasification Obtained at Pilot Scale with an Innovative 100 kWth Dual Bubbling Fluidized Bed Gasifier. <i>Energies</i> , 2022, 15, 4369.	3.1	6
14	Study of Energy Valorization of Disposable Masks via Thermochemical Processes: Devolatilization Tests and Simulation Approach. <i>Energies</i> , 2022, 15, 2103.	3.1	5
15	Modelling and design of a novel calcination reactor integrated with a CO ₂ capture process for intensified hydrogen production. <i>Fuel Processing Technology</i> , 2022, 231, 107253.	7.2	5
16	Steam gasification of wood biomass in a fluidized biocatalytic system bed gasifier: A model development and validation using experiment and Boubaker Polynomials Expansion Scheme BPES. <i>International Journal of Renewable Energy Development</i> , 2015, 4, 143-152.	2.4	2