

# Michal JeremiÅ;Å;

## List of Publications by Year in descending order

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docs citations

31  
times ranked

859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in waste utilization via thermal plasma. Progress in Energy and Combustion Science, 2020, 81, 100873.	31.2	57
2	CO <sub>2</sub> as moderator for biomass gasification. Fuel, 2014, 117, 198-205.	6.4	49
3	Pilot testing of enhanced sorbents for calcium looping with cement production. Applied Energy, 2018, 225, 392-401.	10.1	48
4	Potential of coupling anaerobic digestion with thermochemical technologies for waste valorization. Fuel, 2021, 294, 120533.	6.4	48
5	COVID-19 pandemic and global carbon dioxide emissions: A first assessment. Science of the Total Environment, 2021, 794, 148770.	8.0	47
6	Behavior of Heavy Metals in Steam Fluidized Bed Gasification of Contaminated Biomass. Energy & Fuels, 2011, 25, 2284-2291.	5.1	40
7	Effect of pyrolysis temperature on removal of organic pollutants present in anaerobically stabilized sewage sludge. Chemosphere, 2021, 265, 129082.	8.2	39
8	Effect of SO <sub>2</sub> and steam on CO <sub>2</sub> capture performance of biomass-templated calcium aluminate pellets. Faraday Discussions, 2016, 192, 97-111.	3.2	36
9	Gasification of biomass with CO <sub>2</sub> and H <sub>2</sub> O mixtures in a catalytic fluidised bed. Fuel, 2017, 210, 605-610.	6.4	35
10	Pyrolysis of methane via thermal steam plasma for the production of hydrogen and carbon black. International Journal of Hydrogen Energy, 2021, 46, 1605-1614.	7.1	35
11	Fluidized bed gasification of coal-oil and coal-water-oil slurries by oxygen-steam and oxygen-CO <sub>2</sub> mixtures. Fuel Processing Technology, 2012, 95, 16-26.	7.2	34
12	CO <sub>2</sub> gasification of biomass: The effect of lime concentration in a fluidised bed. Applied Energy, 2018, 217, 361-368.	10.1	33
13	Technical and economic feasibility evaluation of calcium looping with no CO <sub>2</sub> recirculation. Chemical Engineering Journal, 2018, 335, 763-773.	12.7	32
14	Ammonia yield from gasification of biomass and coal in fluidized bed reactor. Fuel, 2014, 117, 917-925.	6.4	30
15	Possibilities of mercury removal in the dry flue gas cleaning lines of solid waste incineration units. Journal of Environmental Management, 2016, 166, 499-511.	7.8	29
16	Progress in in-situ CO <sub>2</sub> -sorption for enhanced hydrogen production. Progress in Energy and Combustion Science, 2022, 91, 101008.	31.2	28
17	Detailed Analysis of Sewage Sludge Pyrolysis Gas: Effect of Pyrolysis Temperature. Energies, 2020, 13, 4087.	3.1	27
18	Wood chips gasification in a fixed-bed multi-stage gasifier for decentralized high-efficiency CHP and biochar production: Long-term commercial operation. Fuel, 2020, 281, 118637.	6.4	25

#	ARTICLE	IF	CITATIONS
19	SO <sub>3</sub> formation and the effect of fly ash in a bubbling fluidised bed under oxy-fuel combustion conditions. Fuel Processing Technology, 2017, 167, 314-321.	7.2	24
20	Fluidized Bed Incineration of Sewage Sludge in O <sub>2</sub> /N <sub>2</sub> and O <sub>2</sub> /CO <sub>2</sub> Atmospheres. Energy & Fuels, 2018, 32, 2355-2365.	5.1	22
21	Biomass gasification. , 2013, , 106-129.		21
22	Thermal plasma gasification of organic waste stream coupled with CO <sub>2</sub> -sorption enhanced reforming employing different sorbents for enhanced hydrogen production. RSC Advances, 2022, 12, 6122-6132.	3.6	21
23	Structural and chemical changes of sludge derived pyrolysis char prepared under different process temperatures. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105085.	5.5	20
24	Equilibrium modeling of thermal plasma assisted co-valorization of difficult waste streams for syngas production. Sustainable Energy and Fuels, 2021, 5, 4650-4660.	4.9	13
25	Attrition of dolomitic lime in a fluidized-bed reactor at high temperatures. Chemical Papers, 2013, 67, .	2.2	12
26	Cost/Performance Analysis of Commercial-Grade Organic Phase-Change Materials for Low-Temperature Heat Storage. Energies, 2020, 13, 5.	3.1	9
27	Transient Catalytic Activity of Calcined Dolomitic Limestone in a Fluidized Bed during Gasification of Woody Biomass. Energy & Fuels, 2016, 30, 4065-4071.	5.1	6
28	Thermodynamic Possibilities and Limits for Producer Gas Desulfurization and HCL Related Interferences for Zn, Mn, Ce and La Based Sorbents of Sulfur Compounds. Key Engineering Materials, 0, 656-657, 101-106.	0.4	4
29	Residual moisture in the sewage sludge feed significantly affects the pyrolysis process: Simulation of continuous process in a batch reactor. Journal of Analytical and Applied Pyrolysis, 2022, 161, 105387.	5.5	3
30	Operation of a 25 kW <sub>th</sub> Calcium Looping Pilot-plant with High Oxygen Concentrations in the Calciner. Journal of Visualized Experiments, 2017, , .	0.3	2