

# Michal JeremiÅ;Å;

## List of Publications by Year in descending order

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papers

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citations

394421

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501196

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docs citations

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times ranked

859  
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#	ARTICLE	IF	CITATIONS
1	Residual moisture in the sewage sludge feed significantly affects the pyrolysis process: Simulation of continuous process in a batch reactor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 161, 105387.	5.5	3
2	Thermal plasma gasification of organic waste stream coupled with CO <sub>2</sub> -sorption enhanced reforming employing different sorbents for enhanced hydrogen production. <i>RSC Advances</i> , 2022, 12, 6122-6132.	3.6	21
3	Progress in in-situ CO <sub>2</sub> -sorption for enhanced hydrogen production. <i>Progress in Energy and Combustion Science</i> , 2022, 91, 101008.	31.2	28
4	Pyrolysis of methane via thermal steam plasma for the production of hydrogen and carbon black. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 1605-1614.	7.1	35
5	Effect of pyrolysis temperature on removal of organic pollutants present in anaerobically stabilized sewage sludge. <i>Chemosphere</i> , 2021, 265, 129082.	8.2	39
6	Equilibrium modeling of thermal plasma assisted co-valorization of difficult waste streams for syngas production. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4650-4660.	4.9	13
7	Structural and chemical changes of sludge derived pyrolysis char prepared under different process temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105085.	5.5	20
8	Potential of coupling anaerobic digestion with thermochemical technologies for waste valorization. <i>Fuel</i> , 2021, 294, 120533.	6.4	48
9	COVID-19 pandemic and global carbon dioxide emissions: A first assessment. <i>Science of the Total Environment</i> , 2021, 794, 148770.	8.0	47
10	Progress in waste utilization via thermal plasma. <i>Progress in Energy and Combustion Science</i> , 2020, 81, 100873.	31.2	57
11	Wood chips gasification in a fixed-bed multi-stage gasifier for decentralized high-efficiency CHP and biochar production: Long-term commercial operation. <i>Fuel</i> , 2020, 281, 118637.	6.4	25
12	Detailed Analysis of Sewage Sludge Pyrolysis Gas: Effect of Pyrolysis Temperature. <i>Energies</i> , 2020, 13, 4087.	3.1	27
13	Cost/Performance Analysis of Commercial-Grade Organic Phase-Change Materials for Low-Temperature Heat Storage. <i>Energies</i> , 2020, 13, 5.	3.1	9
14	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. <i>Energy &amp; Fuels</i> , 2018, 32, 2355-2365.	5.1	22
15	CO <sub>2</sub> gasification of biomass: The effect of lime concentration in a fluidised bed. <i>Applied Energy</i> , 2018, 217, 361-368.	10.1	33
16	Technical and economic feasibility evaluation of calcium looping with no CO <sub>2</sub> recirculation. <i>Chemical Engineering Journal</i> , 2018, 335, 763-773.	12.7	32
17	Pilot testing of enhanced sorbents for calcium looping with cement production. <i>Applied Energy</i> , 2018, 225, 392-401.	10.1	48
18	Operation of a 25 kW <sub>th</sub> Calcium Looping Pilot-plant with High Oxygen Concentrations in the Calciner. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	2

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19	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
20	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
21	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
22	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
23	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
24	Ammonia yield from gasification of biomass and coal in fluidized bed reactor. Fuel, 2014, 117, 917-925.	6.4	30
25	CO <sub>2</sub> as moderator for biomass gasification. Fuel, 2014, 117, 198-205.	6.4	49
26	Biomass gasification. , 2013, , 106-129.		21
27	Attrition of dolomitic lime in a fluidized-bed reactor at high temperatures. Chemical Papers, 2013, 67, .	2.2	12
28	Fluidized bed gasification of coalâ€‘oil and coalâ€‘waterâ€‘oil slurries by oxygenâ€‘steam and oxygenâ€‘CO <sub>2</sub> mixtures. Fuel Processing Technology, 2012, 95, 16-26.	7.2	34
29	Behavior of Heavy Metals in Steam Fluidized Bed Gasification of Contaminated Biomass. Energy & Fuels, 2011, 25, 2284-2291.	5.1	40
30	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