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List of Publications by Year in descending order

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47
papers

1,855
citations

172457

29
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	Wood ash biomethane upgrading system: A case study. <i>Renewable Energy</i> , 2022, 182, 702-712.	8.9	7
2	CFD model for tubular SOFC stack fed directly by biomass. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6860-6872.	7.1	28
3	Hybrid Models for Indoor Temperature Prediction Using Long Short Term Memory Networks—Case Study <i>Energy Center. Buildings</i> , 2022, 12, 933.	3.1	4
4	Biogas trace compounds impact on high-temperature fuel cells short stack performance. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8792-8801.	7.1	35
5	CFD model for tubular SOFC directly fed by biomass. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17421-17434.	7.1	39
6	Effect of different pre-treatment methods on gasification properties of grass biomass. <i>Renewable Energy</i> , 2021, 170, 875-883.	8.9	22
7	CFD Performance Analysis of a Dish-Stirling System for Microgeneration. <i>Processes</i> , 2021, 9, 1142.	2.8	13
8	Experimental and model validation of a phase change material heat exchanger integrated into a real building. <i>International Journal of Energy Research</i> , 2021, 45, 18222-18236.	4.5	11
9	Study of H ₂ S Removal Capability from Simulated Biogas by Using Waste-Derived Adsorbent Materials. <i>Processes</i> , 2020, 8, 1030.	2.8	17
10	Thermal Activation of Digested Sewage Sludges for Carbon Dioxide Removal from Biogas. <i>Fuels</i> , 2020, 1, 30-46.	2.7	7
11	H ₂ S Removal with Sorbent Obtained from Sewage Sludges. <i>Processes</i> , 2020, 8, 130.	2.8	10
12	Management of Digestate and Exhausts from Solid Oxide Fuel Cells Produced in the Dry Anaerobic Digestion Pilot Plant: Microalgae Cultivation Approach. <i>Waste and Biomass Valorization</i> , 2020, 11, 6499-6514.	3.4	14
13	Biogas cleaning: Trace compounds removal with model validation. <i>Separation and Purification Technology</i> , 2019, 210, 80-92.	7.9	38
14	Experimental Analysis and Model Validation on the Performance of Impregnated Activated Carbons for the Removal of Hydrogen Sulfide (H ₂ S) from Sewage Biogas. <i>Processes</i> , 2019, 7, 548.	2.8	9
15	Biogas Purification: A Comparison of Adsorption Performance in D ₄ Siloxane Removal Between Commercial Activated Carbons and Waste Wood-Derived Char Using Isotherm Equations. <i>Processes</i> , 2019, 7, 774.	2.8	32
16	Direct injection mass spectrometry technique for the odorant losses at ppb(v) level from nalophanâ„¢ sampling bags. <i>International Journal of Mass Spectrometry</i> , 2019, 436, 137-146.	1.5	26
17	Characterization of a circular 80Âmm anode supported solid oxide fuel cell (AS-SOFC) with anode support produced using high-pressure injection molding (HPIM). <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19405-19411.	7.1	25
18	SIMULATED SOFC EXHAUSTS AND THEIR FIXATION ON CHLORELLA VULGARIS: STUDY ON AFFECTING PARAMETERS. <i>Detritus</i> , 2019, In Press, 1.	0.9	1

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19	Real-time monitoring of removal of trace compounds with PTR-MS: Biochar experimental investigation. <i>Renewable Energy</i> , 2018, 125, 344-355.	8.9	48
20	SOFC single cells fed by biogas: Experimental tests with trace contaminants. <i>Waste Management</i> , 2018, 72, 306-312.	7.4	67
21	Physical Activation of Waste-Derived Materials for Biogas Cleaning. <i>Energies</i> , 2018, 11, 2338.	3.1	10
22	Numerical model of planar anode supported solid oxide fuel cell fed with fuel containing H ₂ S operated in direct internal reforming mode (DIR-SOFC). <i>Applied Energy</i> , 2018, 230, 1573-1584.	10.1	58
23	Catalytic stability of a Ni-Catalyst towards biogas reforming in the presence of deactivating trace compounds. <i>Renewable Energy</i> , 2018, 127, 481-494.	8.9	43
24	Biogas Cleaning: Activated Carbon Regeneration for H ₂ S Removal. <i>Clean Technologies</i> , 2018, 1, 40-57.	4.2	40
25	Proton transfer reaction mass spectrometry for the gas cleaning using commercial and waste-derived materials: Focus on the siloxane removal for SOFC applications. <i>International Journal of Mass Spectrometry</i> , 2018, 430, 69-79.	1.5	19
26	Carbon recovery and re-utilization (CRR) from the exhaust of a solid oxide fuel cell (SOFC): Analysis through a proof-of-concept. <i>Journal of CO₂ Utilization</i> , 2017, 18, 206-221.	6.8	39
27	Reporting Degradation from Different Fuel Contaminants in Ni-anode SOFCs. <i>Fuel Cells</i> , 2017, 17, 423-433.	2.4	31
28	Dealing with fuel contaminants in biogas-fed solid oxide fuel cell (SOFC) and molten carbonate fuel cell (MCFC) plants: Degradation of catalytic and electro-catalytic active surfaces and related gas purification methods. <i>Progress in Energy and Combustion Science</i> , 2017, 61, 150-188.	31.2	122
29	Trace compounds impact on SOFC performance: Experimental and modelling approach. <i>Applied Energy</i> , 2017, 208, 637-654.	10.1	54
30	Distributed relaxation times technique for the determination of fuel cell losses with an equivalent circuit model to identify physicochemical processes. <i>Electrochimica Acta</i> , 2017, 258, 98-109.	5.2	53
31	Biowaste for SOFCs. <i>Energy Procedia</i> , 2016, 101, 424-431.	1.8	50
32	Natural Gas Trace Compounds Analysis with Innovative Systems: PTR-ToF-MS and FASTGC. <i>Energy Procedia</i> , 2016, 101, 536-541.	1.8	14
33	The effect of heavy tars (toluene and naphthalene) on the electrochemical performance of an anode-supported SOFC running on bio-syngas. <i>Renewable Energy</i> , 2016, 99, 747-753.	8.9	50
34	Solid oxide fuel cell anode degradation by the effect of hydrogen chloride in stack and single cell environments. <i>Journal of Power Sources</i> , 2016, 326, 349-356.	7.8	53
35	Evaluation of the Wheeler-Jonas parameters for biogas trace compounds removal with activated carbons. <i>Fuel Processing Technology</i> , 2016, 152, 93-101.	7.2	33
36	Biogas trace compound removal with ashes using proton transfer reaction time-of-flight mass spectrometry as innovative detection tool. <i>Fuel Processing Technology</i> , 2016, 145, 62-75.	7.2	32

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37	Limiting factors for planar solid oxide fuel cells under different trace compound concentrations. Energy, 2016, 95, 67-78.	8.8	50
38	Sulfur poisoning in Ni-anode solid oxide fuel cells (SOFCs): Deactivation in single cells and a stack. Chemical Engineering Journal, 2016, 283, 1224-1233.	12.7	100
39	Solid oxide fuel cell anode degradation by the effect of siloxanes. Journal of Power Sources, 2015, 279, 460-471.	7.8	91
40	Biogas reforming process investigation for SOFC application. Energy Conversion and Management, 2015, 98, 252-258.	9.2	63
41	Waste to energy: Exploitation of biogas from organic waste in a 500 W solid oxide fuel cell (SOFC) stack. Energy, 2015, 85, 145-158.	8.8	104
42	Proton transfer reaction mass spectrometry technique for the monitoring of volatile sulfur compounds in a fuel cell quality clean-up system. Fuel Processing Technology, 2015, 130, 136-146.	7.2	34
43	Proton transfer reaction-mass spectrometry as a rapid inline tool for filter efficiency of activated charcoal in support of the development of Solid Oxide Fuel Cells fueled with biogas. Fuel Processing Technology, 2015, 130, 78-86.	7.2	31
44	Biogas from the organic fraction of municipal solid waste: Dealing with contaminants for a solid oxide fuel cell energy generator. Waste Management, 2014, 34, 2047-2056.	7.4	39
45	Performance of a Solid Oxide Fuel Cell short-stack with biogas feeding. Applied Energy, 2014, 125, 254-263.	10.1	80
46	Influence of co-vapors on biogas filtration for fuel cells monitored with PTR-MS (Proton Transfer Time-of-Flight Mass Spectrometry). Bioresource Technology, 2014, 150, 10-17.	7.2	31
47	Monitoring of volatile compound emissions during dry anaerobic digestion of the Organic Fraction of Municipal Solid Waste by Proton Transfer Reaction Time-of-Flight Mass Spectrometry. Bioresource Technology, 2012, 126, 254-265.	9.6	78