Marcin MoÅºdzierz

List of Publications by Year
in descending order

14	248	933447 10	1125743 13
papers	citations	h-index	g-index

14	14	14	184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A numerical analysis of heat and mass transfer processes in a macro-patterned methane/steam reforming reactor. International Journal of Hydrogen Energy, 2018, 43, 20474-20487.	7.1	35
2	A numerical analysis of unsteady transport phenomena in a Direct Internal Reforming Solid Oxide Fuel Cell. International Journal of Heat and Mass Transfer, 2019, 131, 1032-1051.	4.8	35
3	A Novel Approach to the Optimization of a Solid Oxide Fuel Cell Anode Using Evolutionary Algorithms. IEEE Access, 2019, 7, 34361-34372.	4.2	33
4	A Multiscale Approach to the Numerical Simulation
of the Solid Oxide Fuel Cell. Catalysts, 2019, 9, 253.	3.5	29
5	Towards a Thermal Optimization of a Methane/Steam Reforming Reactor. Flow, Turbulence and Combustion, 2016, 97, 171-189.	2.6	27
6	Combining structural, electrochemical, and numerical studies to investigate the relation between microstructure and the stack performance. Journal of Applied Electrochemistry, 2017, 47, 979-989.	2.9	24
7	An afterburner-powered methane/steam reformer for a solid oxide fuel cells application. Heat and Mass Transfer, 2018, 54, 2331-2341.	2.1	16
8	A Three-Dimensional Microstructure-Scale Simulation of a Solid Oxide Fuel Cell Anodeâ€”The Analysis of Stack Performance Enhancement After a Long-Term Operation. Energies, 2019, 12, 4784.	3.1	15
9	A numerical analysis of heat and mass transfer during the steam reforming process of ethane. Heat and Mass Transfer, 2018, 54, 2305-2314.	2.1	13
10	An attempt to minimize the temperature gradient along a plug-flow methane/steam reforming reactor by adopting locally controlled heating zones. Journal of Physics: Conference Series, 2014, 530, 012040.	0.4	10
11	Numerical analysis of helium-heated methane/steam reformer. Journal of Physics: Conference Series, 2016, 745, 032081.	0.4	5
12	Comparative study of two theoretical models of methane and ethane steam reforming process. Journal of Physics: Conference Series, 2016, 745, 032151.	0.4	4
13	A fast Gaussian process-based method to evaluate carbon deposition during hydrocarbons reforming. International Journal of Hydrogen Energy, 2023, 48, 11666-11679.	7.1	2
14	WpÅ‚yw warunkÃ³w brzegowych na rozkÅ‚ad pola temperatury w przepÅ‚ywowym reaktorze do parowego reformingu metanu. Scientific Letters of Rzeszow University of Technology - Mechanics, 2014, 31, .	0.2	0