Khaliq Ahmed

List of Publications by Year
in descending order

19	481	933447	794594
papers	citations	10	19
		h-index	g-index

19	19	19	548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simulation of Solid Oxide Fuel Cell Anode in Aspen HYSYSâ€"A Study on the Effect of Reforming Activity on Distributed Performance Profiles, Carbon Formation, and Anode Oxidation Risk. Processes, 2020, 8, 268.	2.8	5
2	A steady-state and dynamic simulation tool for solid oxide fuel cell operation applications. Computer Aided Chemical Engineering, 2019, 46, 595-600.	0.5	1
3	Nernst voltage losses in planar fuel cells caused by changes in chemical composition: effects of operating parameters. Ionics, 2018, 24, 2047-2054.	2.4	3
4	Analysis of equilibrium and kinetic models of internal reforming on solid oxide fuel cell anodes: Effect on voltage, current and temperature distribution. Journal of Power Sources, 2017, 343, 83-93.	7.8	27
5	Dynamic tank in series modeling of direct internal reforming SOFC. International Journal of Energy Research, 2017, 41, 1563-1578.	4.5	2
6	Perspectives in Solid Oxide Fuel Cell-Based Microcombined Heat and Power Systems. Journal of Electrochemical Energy Conversion and Storage, 2017, 14, 031005.	2.1	10
7	Planar SOFC system modelling and simulation including a 3D stack module. International Journal of Hydrogen Energy, 2016, 41, 2919-2930.	7.1	38
8	Solid oxide fuel cell reactor analysis and optimisation through a novel multi-scale modelling strategy. Computers and Chemical Engineering, 2015, 78, 10-23.	3.8	18
9	Simultaneous estimation of states and inputs in a planar solid oxide fuel cell using nonlinear adaptive observer design. Journal of Power Sources, 2014, 248, 1218-1233.	7.8	20
10	CFD model of a methane fuelled single cell SOFC stack for analysing the combined effects of macro/micro structural parameters. Journal of Power Sources, 2013, 234, 180-196.	7.8	44
11	Fuel Processing for High-Temperature High-Efficiency Fuel Cells. Industrial & Engineering Chemistry Research, 2010, 49, 7239-7256.	3.7	36
12	Catalysis in High-Temperature Fuel Cellsâ€. Journal of Physical Chemistry B, 2005, 109, 2149-2154.	2.6	17
13	Approach to equilibrium of the water-gas shift reaction on a Ni/zirconia anode under solid oxide fuel-cell conditions. Journal of Power Sources, 2001, 103, 150-153.	7.8	27
14	Kinetics of internal steam reforming of methane on Ni/YSZ-based anodes for solid oxide fuel cells. Catalysis Today, 2000, 63, 479-487.	4.4	195
15	Effect of Calcination Temperature on Nickel/Alumina Catalysts. Collection of Czechoslovak Chemical Communications, 1992, 57, 2073-2077.	1.0	4
16	Dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts. The Chemical Engineering Journal, 1992, 50, 165-168.	0.3	13
17	Adsorption of thiophene on nickel/alumina catalysts. Industrial & Engineering Chemistry Research, 1990, 29, 150-156.	3.7	10
18	Sintering effects in a nickelâ€"alumina catalyst. Chemical Engineering Science, 1989, 44, 999-1000.	3.8	5

#	Article	IF	Citations
19	â€œMechanisms for Thiophene Poisoning of Nickel Catalysts: Effect of Crystallite Sizeâ€• Studies in Surface Science and Catalysis, 1987, 34, 513-521.	1.5	6