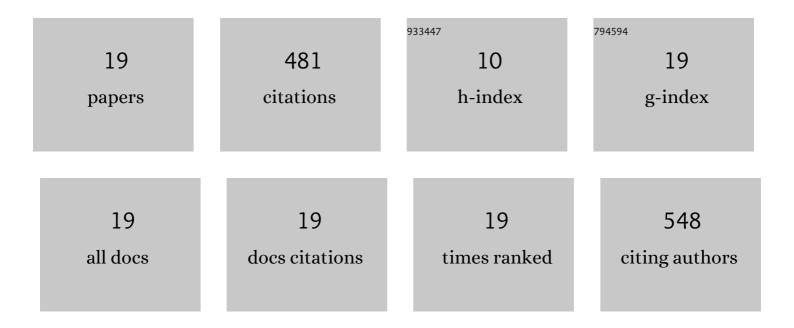
Khaliq Ahmed

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Simulation of Solid Oxide Fuel Cell Anode in Aspen HYSYS—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 nickel—alumina catalyst. Chemical Engineering Science, 1989, 44, 999-1000.	3.8	5

#	Article	IF	CITATIONS
19	"Mechanisms for Thiophene Poisoning of Nickel Catalysts: Effect of Crystallite Size― Studies in Surface Science and Catalysis, 1987, 34, 513-521.	1.5	6