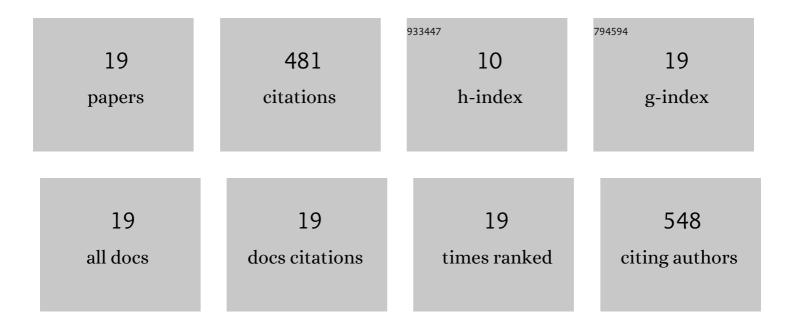
## Khaliq Ahmed

List of Publications by Year in descending order

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Кнало Анмер

#	Article	IF	CITATIONS
1	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
2	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
3	Planar SOFC system modelling and simulation including a 3D stack module. International Journal of Hydrogen Energy, 2016, 41, 2919-2930.	7.1	38
4	Fuel Processing for High-Temperature High-Efficiency Fuel Cells. Industrial & Engineering Chemistry Research, 2010, 49, 7239-7256.	3.7	36
5	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
6	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
7	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
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	Catalysis in High-Temperature Fuel Cellsâ€. Journal of Physical Chemistry B, 2005, 109, 2149-2154.	2.6	17
10	Dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts. The Chemical Engineering Journal, 1992, 50, 165-168.	0.3	13
11	Adsorption of thiophene on nickel/alumina catalysts. Industrial & Engineering Chemistry Research, 1990, 29, 150-156.	3.7	10
12	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
13	"Mechanisms for Thiophene Poisoning of Nickel Catalysts: Effect of Crystallite Size― Studies in Surface Science and Catalysis, 1987, 34, 513-521.	1.5	6
14	Sintering effects in a nickel—alumina catalyst. Chemical Engineering Science, 1989, 44, 999-1000.	3.8	5
15	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
16	Effect of Calcination Temperature on Nickel/Alumina Catalysts. Collection of Czechoslovak Chemical Communications, 1992, 57, 2073-2077.	1.0	4
17	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
18	Dynamic tank in series modeling of direct internal reforming SOFC. International Journal of Energy Research, 2017, 41, 1563-1578.	4.5	2

#	Article	IF	CITATIONS
19	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