

# Khaliq Ahmed

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

481  
citations

933447

10  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of internal steam reforming of methane on Ni/YSZ-based anodes for solid oxide fuel cells. <i>Catalysis Today</i> , 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. <i>Journal of Power Sources</i> , 2013, 234, 180-196.	7.8	44
3	Planar SOFC system modelling and simulation including a 3D stack module. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2919-2930.	7.1	38
4	Fuel Processing for High-Temperature High-Efficiency Fuel Cells. <i>Industrial &amp; Engineering Chemistry Research</i> , 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. <i>Journal of Power Sources</i> , 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. <i>Journal of Power Sources</i> , 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. <i>Journal of Power Sources</i> , 2014, 248, 1218-1233.	7.8	20
8	Solid oxide fuel cell reactor analysis and optimisation through a novel multi-scale modelling strategy. <i>Computers and Chemical Engineering</i> , 2015, 78, 10-23.	3.8	18
9	Catalysis in High-Temperature Fuel Cells. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2149-2154.	2.6	17
10	Dehydrogenation of cyclohexane and cyclohexene over supported nickel and platinum catalysts. <i>The Chemical Engineering Journal</i> , 1992, 50, 165-168.	0.3	13
11	Adsorption of thiophene on nickel/alumina catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 1990, 29, 150-156.	3.7	10
12	Perspectives in Solid Oxide Fuel Cell-Based Microcombined Heat and Power Systems. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2017, 14, 031005.	2.1	10
13	“Mechanisms for Thiophene Poisoning of Nickel Catalysts: Effect of Crystallite Size” <i>Studies in Surface Science and Catalysis</i> , 1987, 34, 513-521.	1.5	6
14	Sintering effects in a nickel-alumina catalyst. <i>Chemical Engineering Science</i> , 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. <i>Processes</i> , 2020, 8, 268.	2.8	5
16	Effect of Calcination Temperature on Nickel/Alumina Catalysts. <i>Collection of Czechoslovak Chemical Communications</i> , 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. <i>Ionics</i> , 2018, 24, 2047-2054.	2.4	3
18	Dynamic tank in series modeling of direct internal reforming SOFC. <i>International Journal of Energy Research</i> , 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