

Choong-Gon Lee

List of Publications by Year in descending order

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papers

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all docs

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32
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of gas-phase transport in molten carbonate fuel cell. Journal of Electroanalytical Chemistry, 2003, 540, 169-188.	3.8	52
2	Absorption of CO ₂ on CaSiO ₃ at high temperatures. Energy Conversion and Management, 2009, 50, 636-638.	9.2	37
3	Analysis of impedance in a molten carbonate fuel cell. Journal of Electroanalytical Chemistry, 2016, 776, 162-169.	3.8	34
4	Experimental Investigation of Electrode Reaction Characteristics with Reactant Gas Addition Measurement in a Molten Carbonate Fuel Cell. Journal of the Electrochemical Society, 2005, 152, A219.	2.9	28
5	Oxidation of ash-free coal in a direct carbon fuel cell. International Journal of Hydrogen Energy, 2015, 40, 5475-5481.	7.1	21
6	Electrode Reaction Characteristics under Pressurized Conditions in a Molten Carbonate Fuel Cell. Journal of the Electrochemical Society, 2007, 154, B396.	2.9	20
7	Influence of temperature on the anode reaction in a molten carbonate fuel cell. Journal of Electroanalytical Chemistry, 2017, 785, 152-158.	3.8	20
8	Effect of temperature on the cathodic overpotential in a molten carbonate fuel cell. Journal of Electroanalytical Chemistry, 2013, 701, 36-42.	3.8	17
9	Gasification of bamboo carbon with molten alkali carbonates. Korean Journal of Chemical Engineering, 2011, 28, 1539-1545.	2.7	15
10	Oxidation of ash-free coal from sub-bituminous and bituminous coals in a direct carbon fuel cell. Korean Journal of Chemical Engineering, 2016, 33, 507-513.	2.7	11
11	Kinetics of Oxygen Reduction in Molten Alkali Carbonates under Pressurized Air/CO ₂ Oxidant Gas Conditions. Electrochemistry, 1999, 67, 608-613.	1.4	9
12	Gasification of ash-free coal prepared with microwave method. Korean Journal of Chemical Engineering, 2015, 32, 1784-1788.	2.7	7
13	Performance of molten carbonate fuel cell with Li-Na and Li-K carbonate electrolyte at extremely high-temperature condition. Korean Journal of Chemical Engineering, 2018, 35, 2010-2014.	2.7	6
14	Performance Analysis with Various Amounts of Electrolyte in a Molten Carbonate Fuel Cell. Journal of Electrochemical Science and Technology, 2016, 7, 234-240.	2.2	6
15	Pressure effect on the electrode reactions in a molten carbonate fuel cell. Journal of Electroanalytical Chemistry, 2019, 853, 113548.	3.8	5
16	Lifetime Expectancy of molten carbonate fuel cells: Part I. Effect of temperature on the voltage and electrolyte reduction rates. International Journal of Hydrogen Energy, 2021, 46, 15046-15051.	7.1	5
17	Effect of gas-phase transport in a planar solid oxide fuel cell. International Journal of Hydrogen Energy, 2021, 46, 6127-6138.	7.1	5
18	Experimental analysis of internal leakage current using a 100Åcm ² class planar solid oxide fuel cell. International Journal of Hydrogen Energy, 2021, 46, 31807-31815.	7.1	5

#	ARTICLE	IF	CITATIONS
19	Effect of Anode Thickness on the Overpotential in a Molten Carbonate Fuel Cell. Journal of the Korean Electrochemical Society, 2010, 13, 34-39.	0.1	5
20	Electrode reaction properties using a reactant gas addition method in a commercial 100Åcm ² class solid oxide fuel cell. International Journal of Hydrogen Energy, 2022, 47, 20987-20998.	7.1	5
21	Effect of temperature on the electrochemical oxidation of ash free coal and carbon in a direct carbon fuel cell. Korean Journal of Chemical Engineering, 2016, 33, 1606-1611.	2.7	3
22	Temperature effect on the electrode reactions in a molten carbonate fuel cell. Journal of Electroanalytical Chemistry, 2018, 810, 48-54.	3.8	3
23	Effect of sulfur on the cell performance in a molten carbonate fuel cell. Korean Journal of Chemical Engineering, 2019, 36, 600-604.	2.7	3
24	Effect of water on the anodic overpotential at low currents in a solid oxide fuel cell. Journal of Electroanalytical Chemistry, 2021, 882, 115020.	3.8	3
25	Performance Analysis with Various Amounts of Electrolyte in a Molten Carbonate Fuel Cell. Journal of Electrochemical Science and Technology, 2016, 7, 234-240.	2.2	3
26	Lifetime expectancy of molten carbonate fuel cells: Part II. Cell life simulation using bench and coin-type cells. International Journal of Hydrogen Energy, 2021, 46, 15052-15058.	7.1	2
27	Analysis of Cell Performance with Varied Electrolyte Species and Amounts in a Molten Carbonate Fuel Cell. Journal of Electrochemical Science and Technology, 2019, 9, 141-148.	2.2	2
28	Electrooxidation of 2-propanol at Sputtered Pt Based Metal Electrodes. Electrochemistry, 2008, 76, 740-746.	1.4	1
29	Molten Carbonate Fuel Cells. , 2019, , 531-568.		1
30	Characteristics of Solid Fuel Oxidation in a Molten Carbonate Fuel Cell. Journal of Electrochemical Science and Technology, 2016, 7, 91-96.	2.2	0
31	Characteristics of Solid Fuel Oxidation in a Molten Carbonate Fuel Cell. Journal of Electrochemical Science and Technology, 2016, 7, 91-96.	2.2	0
32	Molten Carbonate Fuel Cells. , 2018, , 1-39.		0