

Chan Lim

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,348
citations

516710

16
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1166
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of hydrophobic polymer content in GDL on power performance of a PEM fuel cell. <i>Electrochimica Acta</i> , 2004, 49, 4149-4156.	5.2	402
2	Membrane degradation during combined chemical and mechanical accelerated stress testing of polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2014, 257, 102-110.	7.8	179
3	Development of high-power electrodes for a liquid-feed direct methanol fuel cell. <i>Journal of Power Sources</i> , 2003, 113, 145-150.	7.8	107
4	Theoretical approach to faradaic admittance of hydrogen absorption reaction on metal membrane electrode. <i>Electrochimica Acta</i> , 1993, 38, 2645-2652.	5.2	86
5	The role of hydrogen in the pitting of passivating films on pure iron. <i>Corrosion Science</i> , 1992, 33, 437-444.	6.6	76
6	Impedance analysis of hydrogen absorption reaction on Pd membrane electrode in 0.1 M LiOH solution under permeable boundary conditions. <i>Electrochimica Acta</i> , 1994, 39, 363-373.	5.2	69
7	Decay in Mechanical Properties of Catalyst Coated Membranes Subjected to Combined Chemical and Mechanical Membrane Degradation. <i>Fuel Cells</i> , 2015, 15, 204-213.	2.4	66
8	Novel anode structure for the direct methanol fuel cell. <i>Journal of Power Sources</i> , 2005, 143, 142-149.	7.8	55
9	Pt Band Formation Enhances the Stability of Fuel Cell Membranes. <i>ECS Electrochemistry Letters</i> , 2013, 2, F33-F35.	1.9	50
10	Fuel Cell Durability Enhancement with Cerium Oxide under Combined Chemical and Mechanical Membrane Degradation. <i>ECS Electrochemistry Letters</i> , 2015, 4, F29-F31.	1.9	49
11	Effect of catalyst layer defects on local membrane degradation in polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2016, 322, 17-25.	7.8	44
12	Progression in the Morphology of Fuel Cell Membranes upon Conjoint Chemical and Mechanical Degradation. <i>Journal of the Electrochemical Society</i> , 2016, 163, F637-F643.	2.9	42
13	Effect of dispersion methods of an unsupported Pt-Ru black anode catalyst on the power performance of a direct methanol fuel cell. <i>Journal of Power Sources</i> , 2006, 161, 11-18.	7.8	32
14	Direct Methanol Fuel Cells Using Thermally Catalysed Ti Mesh. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 929-933.	2.9	28
15	Zinc deposition during charging nickel/zinc batteries. <i>Journal of Power Sources</i> , 1997, 66, 115-119.	7.8	20
16	Evolution of water sorption in catalyst coated membranes subjected to combined chemical and mechanical degradation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13872-13881.	2.8	19
17	Impedance analysis of hydrogen adsorption on palladium in 0.1 M NaOH solution. <i>Journal of Alloys and Compounds</i> , 1991, 176, 97-103.	5.5	13
18	An investigation of the electrochemical kinetics of deuterium insertion into a Pd membrane electrode in 0.1 M LiOD solution by the a.c. impedance technique. <i>Journal of Alloys and Compounds</i> , 1994, 203, 149-156.	5.5	7

#	ARTICLE	IF	CITATIONS
19	Hydrogen trapping at phosphorus-segregated grain boundaries in nickel-chromium steel. Corrosion Science, 1993, 35, 531-539.	6.6	4
20	Effect of sulphur segregated at grain boundaries on the behaviour of hydrogen permeation through iron. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 131, 231-236.	5.6	0