

Ju Wan Lim

List of Publications by Year in descending order

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19
papers

790
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered macroporous platinum electrode and enhanced mass transfer in fuel cells using inverse opal structure. <i>Nature Communications</i> , 2013, 4, 2473.	12.8	229
2	Fast switchable electrochromic properties of tungsten oxide nanowire bundles. <i>Applied Physics Letters</i> , 2007, 90, 173126.	3.3	95
3	Improved electrochromic devices with an inorganic solid electrolyte protective layer. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 477-484.	6.2	75
4	High contrast ratio and fast switching polymeric electrochromic films based on water-dispersible polyaniline-poly(4-styrenesulfonate) nanoparticles. <i>Electrochemistry Communications</i> , 2010, 12, 164-167.	4.7	69
5	Ionic Resistance of a Cathode Catalyst Layer with Various Thicknesses by Electrochemical Impedance Spectroscopy for PEMFC. <i>Journal of the Electrochemical Society</i> , 2012, 159, B378-B384.	2.9	38
6	Improved mass transfer using a pore former in cathode catalyst layer in the direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11969-11974.	7.1	38
7	Electrochromic properties of one-dimensional tungsten oxide nanobundles. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 179-183.	6.2	35
8	Performance enhancement of membrane electrode assemblies with plasma etched polymer electrolyte membrane in PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10452-10456.	7.1	32
9	The improving electrochromic performance of nickel oxide film using aqueous N,N-dimethylaminoethanol solution. <i>Solar Energy Materials and Solar Cells</i> , 2012, 99, 31-37.	6.2	30
10	Methanol-tolerant cathode electrode structure composed of heterogeneous composites to overcome methanol crossover effects for direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15731-15738.	7.1	29
11	The activation process through a bimodal transmittance state for improving electrochromic performance of nickel oxide thin film. <i>Solar Energy Materials and Solar Cells</i> , 2013, 108, 22-26.	6.2	29
12	The dependence of performance degradation of membrane electrode assembly on platinum loading in polymer electrolyte membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2490-2497.	7.1	21
13	High electrochromic performance of co-sputtered vanadium-titanium oxide as a counter electrode. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 2069-2074.	6.2	17
14	Enhanced Reliability of Electrochromic Devices with a LiPON Protective Layer. <i>Journal of the Electrochemical Society</i> , 2007, 154, P6.	2.9	12
15	Preparation process for improving cathode electrode structure in direct methanol fuel cell. <i>Electrochemistry Communications</i> , 2010, 12, 754-757.	4.7	11
16	Understanding Interface between Electrode and Electrolyte: Organic/Inorganic Hybrid Design for Fast Ion Conductivity. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9169-9176.	3.1	10
17	Enhanced Electrochromic Properties of Ir-Ta Oxide Grown Using a Cosputtering System. <i>Journal of the Electrochemical Society</i> , 2010, 157, J256.	2.9	7
18	Characteristics and performance of membrane electrode assemblies with operating conditions in polymer electrolyte membrane fuel cell. <i>Electrochimica Acta</i> , 2010, 56, 717-721.	5.2	7

#	ARTICLE	IF	CITATIONS
19	Enhancement of polymer electrolyte membrane fuel cell performance by boiling a membrane electrode assembly in sulfuric acid solution. <i>Journal of Power Sources</i> , 2010, 195, 5952-5956.	7.8	6