Ju Wan Lim

List of Publications by Year
in descending order

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	Understanding Interface between Electrode and Electrolyte: Organic/Inorganic Hybrid Design for Fast Ion Conductivity. Journal of Physical Chemistry C, 2015, 119, 9169-9176.	3.1	10
2	Ordered macroporous platinum electrode and enhanced mass transfer in fuel cells using inverse opal structure. Nature Communications, 2013, 4, 2473.	12.8	229
3	The activation process through a bimodal transmittance state for improving electrochromic performance of nickel oxide thin film. Solar Energy Materials and Solar Cells, 2013, 108, 22-26.	6.2	29
4	Ionic Resistance of a Cathode Catalyst Layer with Various Thicknesses by Electrochemical Impedance Spectroscopy for PEMFC. Journal of the Electrochemical Society, 2012, 159, B378-B384.	2.9	38
5	Improved mass transfer using a pore former in cathode catalyst layer in the direct methanol fuel cell. International Journal of Hydrogen Energy, 2012, 37, 11969-11974.	7.1	38
6	The dependence of performance degradation of membrane electrode assembly on platinum loading in polymer electrolyte membrane fuel cell. International Journal of Hydrogen Energy, 2012, 37, 2490-2497.	7.1	21
7	The improving electrochromic performance of nickel oxide film using aqueous N,N-dimethylaminoethanol solution. Solar Energy Materials and Solar Cells, 2012, 99, 31-37.	6.2	30
8	Methanol-tolerant cathode electrode structure composed of heterogeneous composites to overcome methanol crossover effects for direct methanol fuel cell. International Journal of Hydrogen Energy, 2011, 36, 15731-15738.	7.1	29
9	Enhancement of polymer electrolyte membrane fuel cell performance by boiling a membrane electrode assembly in sulfuric acid solution. Journal of Power Sources, 2010, 195, 5952-5956.	7.8	6
10	Performance enhancement of membrane electrode assemblies with plasma etched polymer electrolyte membrane in PEM fuel cell. International Journal of Hydrogen Energy, 2010, 35, 10452-10456.	7.1	32
11	High contrast ratio and fast switching polymeric electrochromic films based on water-dispersible polyaniline-poly(4-styrenesulfonate) nanoparticles. Electrochemistry Communications, 2010, 12, 164-167.	4.7	69
12	Preparation process for improving cathode electrode structure in direct methanol fuel cell. Electrochemistry Communications, 2010, 12, 754-757.	4.7	11
13	Enhanced Electrochromic Properties of Irâ€“Ta Oxide Grown Using a Cosputtering System. Journal of the Electrochemical Society, 2010, 157, J256.	2.9	7
14	Characteristics and performance of membrane electrode assemblies with operating conditions in polymer electrolyte membrane fuel cell. Electrochimica Acta, 2010, 56, 717-721.	5.2	7
15	High electrochromic performance of co-sputtered vanadiumâ€“titanium oxide as a counter electrode. Solar Energy Materials and Solar Cells, 2009, 93, 2069-2074.	6.2	17
16	Electrochromic properties of one-dimensional tungsten oxide nanobundles. Solar Energy Materials and Solar Cells, 2008, 92, 179-183.	6.2	35
17	Enhanced Reliability of Electrochromic Devices with a LiPON Protective Layer. Journal of the Electrochemical Society, 2007, 154, P6.	2.9	12
18	Fast switchable electrochromic properties of tungsten oxide nanowire bundles. Applied Physics Letters, 2007, 90, 173126.	3.3	95

#	Article	IF	Citations
19	Improved electrochromic devices with an inorganic solid electrolyte protective layer. Solar Energy Materials and Solar Cells, 2006, 90, 477-484.	6.2	75