

# Dong-Hyun Peck

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

520  
citations

623188

14  
h-index

676716

22  
g-index

33  
all docs

33  
docs citations

33  
times ranked

725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability and durability of PtRu catalysts supported on carbon nanofibers for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4685-4693.	3.8	67
2	Design of a MEA with multi-layer electrodes for high concentration methanol DMFCs. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4717-4727.	3.8	48
3	Corrosion properties and cell performance of CrN/Cr-coated stainless steel 316L as a metal bipolar plate for a direct methanol fuel cell. <i>Electrochimica Acta</i> , 2011, 56, 7602-7609.	2.6	34
4	Controlling hierarchical porous structures of rice-husk-derived carbons for improved capacitive deionization performance. <i>Environmental Science: Nano</i> , 2019, 6, 916-924.	2.2	34
5	Performance and long-term stability of Ti metal and stainless steels as a metal bipolar plate for a direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 4320-4328.	3.8	27
6	Effects of the microstructure and powder compositions of a micro-porous layer for the anode on the performance of high concentration methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 7159-7168.	3.8	27
7	Dynamic response and long-term stability of a small direct methanol fuel cell stack. <i>Journal of Power Sources</i> , 2010, 195, 4080-4089.	4.0	26
8	Properties of Cu, Ni, and V doped-LaCrO <sub>3</sub> interconnect materials prepared by pechini, ultrasonic spray pyrolysis and glycine nitrate processes for SOFC. <i>Journal of Electroceramics</i> , 2006, 17, 723-727.	0.8	21
9	Effects of CrN/Cr coating layer on durability of metal bipolar plates under a fuel recirculation system of direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10567-10576.	3.8	20
10	Electrochemical Catalytic Activity for Oxygen Reduction Reaction of Nitrogen-Doped Carbon Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6350-6358.	0.9	18
11	Long-term durability of radiation-grafted PFA-g-PSSA membranes for direct methanol fuel cells. <i>Journal of Membrane Science</i> , 2013, 447, 36-42.	4.1	18
12	Effects of porous and dense electrode structures of membrane electrode assembly on durability of direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15313-15322.	3.8	17
13	Preparation and Characteristics of SiO <sub>x</sub> Coated Carbon Nanotubes with High Surface Area. <i>Nanomaterials</i> , 2012, 2, 206-216.	1.9	15
14	Methanol-Tolerant Platinum-Palladium Catalyst Supported on Nitrogen-Doped Carbon Nanofiber for High Concentration Direct Methanol Fuel Cells. <i>Nanomaterials</i> , 2016, 6, 148.	1.9	15
15	Synthesis and sintering properties of (La <sub>0.8</sub> Ca <sub>0.2</sub> <sup>x</sup> Sr <sub>x</sub> )CrO <sub>3</sub> perovskite materials for SOFC interconnect. <i>Journal of Electroceramics</i> , 2006, 17, 729-733.	0.8	13
16	Reduced mass transport resistance in polymer electrolyte membrane fuel cell by polyethylene glycol addition to catalyst ink. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 354-361.	3.8	13
17	Performance of a MEA using patterned membrane with a directly coated electrode by the bar-coating method in a direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11386-11396.	3.8	12
18	Control of nitrogen content and its effects on the electrochemical behavior of nitrogen-doped carbon nanofibers. <i>Journal of Electroanalytical Chemistry</i> , 2016, 768, 34-40.	1.9	11

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19	Effects of ethanol in methanol fuel on the performance of membrane electrode assemblies for direct methanol fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 100-106.	2.9	11
20	Nanofluidic energy harvesting through a biological 1D protein-embedded nanofilm membrane by interfacial polymerization. <i>Nano Energy</i> , 2020, 74, 104906.	8.2	10
21	Correlation of thermal properties and electrical conductivity of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Cu}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ material for solid oxide fuel cells. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1243-1249.	1.5	9
22	Improving the mechanical properties of a high density carbon block from mesocarbon microbeads according to oxidative stabilization. <i>Scientific Reports</i> , 2018, 8, 11064.	1.6	9
23	Performance and durability of MEA prepared with crosslinked ETFE-g-PSSA(DVB) membranes for direct methanol fuel cells using high concentration methanol. <i>Journal of Membrane Science</i> , 2014, 459, 12-21.	4.1	7
24	Mechanical and electrical properties of MCMB/Chopped carbon fiber composite with different bead size. <i>Scientific Reports</i> , 2019, 9, 7065.	1.6	7
25	High-performance nanofiltration of outer-selective thin-film composite hollow-fiber membranes via continuous interfacial polymerization. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 103, 373-380.	2.9	7
26	Fabrication of scandia-stabilized zirconia electrolyte with a porous and dense composite layer for solid oxide fuel cells. <i>Ceramics International</i> , 2012, 38, S485-S488.	2.3	6
27	Enhanced activity and durability of the oxygen reduction catalysts supported on the surface expanded tubular-type carbon nanofiber. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 192-200.	10.8	5
28	Effects of Two-stage Heat Treatment on Delayed Coke and Study of Their Surface Texture Characteristics. <i>Jom</i> , 2017, 69, 2460-2466.	0.9	5
29	Manufacture of high density carbon blocks by self-sintering coke produced via a two-stage heat treatment of coal tar. <i>Heliyon</i> , 2019, 5, e01341.	1.4	5
30	Performance of Membrane Electrode Assembly for DMFC Prepared by Bar-Coating Method. <i>Journal of the Korean Electrochemical Society</i> , 2008, 11, 16-21.	0.1	2
31	Long-term Testing and Analysis of a ScSZ/LaSrCuFe Cell. <i>Journal of the Korean Ceramic Society</i> , 2008, 45, 788-795.	1.1	1
32	Fabrication and performance of a ScMnSZ/LaSrCuFe cell with GDC interlayer for solid oxide fuel cells. <i>Journal of Electroceramics</i> , 2013, 30, 77-81.	0.8	0