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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2018, 30, e1705670.	21.0	334
2	The effect of nitrogen oxides in air on the performance of proton exchange membrane fuel cell. <i>Electrochimica Acta</i> , 2006, 51, 4039-4044.	5.2	89
3	The Controllable Design of Catalyst Inks to Enhance PEMFC Performance: A Review. <i>Electrochemical Energy Reviews</i> , 2021, 4, 67-100.	25.5	79
4	Deep learning based prognostic framework towards proton exchange membrane fuel cell for automotive application. <i>Applied Energy</i> , 2021, 281, 115937.	10.1	75
5	The durability of carbon supported Pt nanowire as novel cathode catalyst for a 1.5 kW PEMFC stack. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 133-140.	20.2	56
6	Recent advances in Pt-based octahedral nanocrystals as high performance fuel cell catalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11559-11581.	10.3	54
7	High performance octahedral PtNi/C catalysts investigated from rotating disk electrode to membrane electrode assembly. <i>Nano Research</i> , 2019, 12, 281-287.	10.4	44
8	Carbon-supported Pt nanowire as novel cathode catalysts for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 262, 488-493.	7.8	39
9	Research progress of heat transfer inside proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2021, 492, 229613.	7.8	30
10	Efficient synthesis of Pt-Co nanowires as cathode catalysts for proton exchange membrane fuel cells. <i>RSC Advances</i> , 2020, 10, 6287-6296.	3.6	26
11	Preparation of a Graphitized-Carbon-Supported PtNi Octahedral Catalyst and Application in a Proton-Exchange Membrane Fuel Cell. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7047-7056.	8.0	23
12	Effects of vortexes in feed header on air flow distribution of PEMFC stack: CFD simulation and optimization for better uniformity. <i>Renewable Energy</i> , 2021, 173, 498-506.	8.9	23
13	High-Performance Zinc-Air Batteries Based on Bifunctional Hierarchically Porous Nitrogen-Doped Carbon. <i>Small</i> , 2022, 18, e2105928.	10.0	23
14	Pt nanowire electrocatalysts for proton exchange membrane fuel cells. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1471-1481.	14.0	22
15	Effect of ionomer content on cathode catalyst layer for PEMFC via molecular dynamics simulations and experiments. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 23335-23347.	7.1	16
16	Modifying Carbon Supports of Catalyst for the Oxygen Reduction Reaction in Vehicle PEMFCs. <i>Automotive Innovation</i> , 2021, 4, 119-130.	5.1	15
17	Enhanced mass transfer and proton conduction of cathode catalyst layer for proton exchange membrane fuel cell through filling polyhedral oligomeric silsesquioxane. <i>Journal of Power Sources</i> , 2021, 487, 229413.	7.8	14
18	Synthesis of Anti-poisoning Spinel Mn-Co as Cathode Catalysts for Low-Temperature Anion Exchange Membrane Direct Ammonia Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53945-53954.	8.0	14

#	ARTICLE	IF	CITATIONS
19	A Review of the Transition Region of Membrane Electrode Assembly of Proton Exchange Membrane Fuel Cells: Design, Degradation, and Mitigation. <i>Membranes</i> , 2022, 12, 306.	3.0	14
20	Long-term dynamic durability test datasets for single proton exchange membrane fuel cell. <i>Data in Brief</i> , 2021, 35, 106775.	1.0	13
21	New non-platinum Ir-VMo electro-catalyst, catalytic activity and CO tolerance in hydrogen oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18843-18850.	7.1	11
22	Enhanced PEMFC durability with graphitized carbon black cathode catalyst supports under accelerated stress testing. <i>RSC Advances</i> , 2021, 11, 19417-19425.	3.6	11
23	NO adsorption and temperature programmed desorption on K ₂ CO ₃ modified activated carbons. <i>Journal of Central South University</i> , 2018, 25, 2339-2348.	3.0	8
24	The synergetic effect of air pollutants and metal ions on performance of a 5 kW proton-exchange membrane fuel cell stack. <i>International Journal of Energy Research</i> , 2021, 45, 7974-7986.	4.5	4
25	Investigation of the temperature-related performance of proton exchange membrane fuel cell stacks in the presence of CO. <i>International Journal of Energy Research</i> , 2014, 38, 277-284.	4.5	3
26	The influences of gas diffusion layer material models and parameters on mechanical analysis of proton exchange membrane fuel cell. <i>Fuel Cells</i> , 2021, 21, 373-389.	2.4	3
27	A High-Durability Graphitic Black Pearl Supported Pt Catalyst for a Proton Exchange Membrane Fuel Cell Stack. <i>Membranes</i> , 2022, 12, 301.	3.0	3
28	Improvement of Corrosion Resistance and Electrical Conductivity of Stainless Steel 316L Bipolar Plate by Pickling and Passivation. <i>World Electric Vehicle Journal</i> , 2021, 12, 101.	3.0	2