

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1957717/publications.pdf

Version: 2024-02-01

28	1,048	14	28
papers	citations	h-index	g-index
28	28	28	1219
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	A Review of the Transition Region of Membrane Electrode Assembly of Proton Exchange Membrane Fuel Cells: Design, Degradation, and Mitigation. Membranes, 2022, 12, 306.	3.0	14
2	A High-Durability Graphitic Black Pearl Supported Pt Catalyst for a Proton Exchange Membrane Fuel Cell Stack. Membranes, 2022, 12, 301.	3.0	3
3	Highâ€Performance Zincâ€Air Batteries Based on Bifunctional Hierarchically Porous Nitrogenâ€Doped Carbon. Small, 2022, 18, e2105928.	10.0	23
4	Effect of ionomer content on cathode catalyst layer for PEMFC via molecular dynamics simulations and experiments. International Journal of Hydrogen Energy, 2022, 47, 23335-23347.	7.1	16
5	The Controllable Design of Catalyst Inks to Enhance PEMFC Performance: A Review. Electrochemical Energy Reviews, 2021, 4, 67-100.	25.5	79
6	The synergetic effect of air pollutants and metal ions on performance of a 5 <scp>kW</scp> protonâ€exchange membrane fuel cell stack. International Journal of Energy Research, 2021, 45, 7974-7986.	4.5	4
7	Deep learning based prognostic framework towards proton exchange membrane fuel cell for automotive application. Applied Energy, 2021, 281, 115937.	10.1	75
8	Enhanced PEMFC durability with graphitized carbon black cathode catalyst supports under accelerated stress testing. RSC Advances, 2021, 11, 19417-19425.	3.6	11
9	Enhanced mass transfer and proton conduction of cathode catalyst layer for proton exchange membrane fuel cell through filling polyhedral oligomeric silsesquioxane. Journal of Power Sources, 2021, 487, 229413.	7.8	14
10	Long-term dynamic durability test datasets for single proton exchange membrane fuel cell. Data in Brief, 2021, 35, 106775.	1.0	13
11	Research progress of heat transfer inside proton exchange membrane fuel cells. Journal of Power Sources, 2021, 492, 229613.	7.8	30
12	Modifying Carbon Supports of Catalyst for the Oxygen Reduction Reaction in Vehicle PEMFCs. Automotive Innovation, 2021, 4, 119-130.	5.1	15
13	Improvement of Corrosion Resistance and Electrical Conductivity of Stainless Steel 316L Bipolar Plate by Pickling and Passivation. World Electric Vehicle Journal, 2021, 12, 101.	3.0	2
14	Effects of vortexes in feed header on air flow distribution of PEMFC stack: CFD simulation and optimization for better uniformity. Renewable Energy, 2021, 173, 498-506.	8.9	23
15	The influences of gas diffusion layer material models and parameters on mechanical analysis of proton exchange membrane fuel cell. Fuel Cells, 2021, 21, 373-389.	2.4	3
16	Synthesis of Anti-poisoning Spinel Mn–Co–C as Cathode Catalysts for Low-Temperature Anion Exchange Membrane Direct Ammonia Fuel Cells. ACS Applied Materials & Samp; Interfaces, 2021, 13, 53945-53954.	8.0	14
17	Efficient synthesis of Pt–Co nanowires as cathode catalysts for proton exchange membrane fuel cells. RSC Advances, 2020, 10, 6287-6296.	3.6	26
18	Preparation of a Graphitized-Carbon-Supported PtNi Octahedral Catalyst and Application in a Proton-Exchange Membrane Fuel Cell. ACS Applied Materials & Samp; Interfaces, 2020, 12, 7047-7056.	8.0	23

#	Article	IF	CITATIONS
19	High performance octahedral PtNi/C catalysts investigated from rotating disk electrode to membrane electrode assembly. Nano Research, 2019, 12, 281-287.	10.4	44
20	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithiumâ€ion Capacitors. Advanced Materials, 2018, 30, e1705670.	21.0	334
21	NO adsorption and temperature programmed desorption on K2CO3 modified activated carbons. Journal of Central South University, 2018, 25, 2339-2348.	3.0	8
22	Recent advances in Pt-based octahedral nanocrystals as high performance fuel cell catalysts. Journal of Materials Chemistry A, 2016, 4, 11559-11581.	10.3	54
23	The durability of carbon supported Pt nanowire as novel cathode catalyst for a 1.5 kW PEMFC stack. Applied Catalysis B: Environmental, 2015, 162, 133-140.	20.2	56
24	Carbon-supported Pt nanowire as novel cathode catalysts for proton exchange membrane fuel cells. Journal of Power Sources, 2014, 262, 488-493.	7.8	39
25	Investigation of the temperature-related performance of proton exchange membrane fuel cell stacks in the presence of CO. International Journal of Energy Research, 2014, 38, 277-284.	4.5	3
26	Pt nanowire electrocatalysts for proton exchange membrane fuel cells. Chinese Journal of Catalysis, 2013, 34, 1471-1481.	14.0	22
27	New non-platinum Ir–V–Mo electro-catalyst, catalytic activity and CO tolerance in hydrogen oxidation reaction. International Journal of Hydrogen Energy, 2012, 37, 18843-18850.	7.1	11
28	The effect of nitrogen oxides in air on the performance of proton exchange membrane fuel cell. Electrochimica Acta, 2006, 51, 4039-4044.	5.2	89