

# Francisco Javier Pinar PÃ©rez

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,070  
citations

471509

17  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the influence of the amount of PBIâ€“H <sub>3</sub> PO <sub>4</sub> in the catalytic layer of a high temperature PEMFC. International Journal of Hydrogen Energy, 2010, 35, 1347-1355.	7.1	148
2	Three-dimensional model of a 50Âcm <sup>2</sup> high temperature PEM fuel cell. Study of the flow channel geometry influence. International Journal of Hydrogen Energy, 2010, 35, 5510-5520.	7.1	123
3	A novel titanium PBI-based composite membrane for high temperature PEMFCs. Journal of Membrane Science, 2011, 369, 105-111.	8.2	96
4	Titanium composite PBI-based membranes for high temperature polymer electrolyte membrane fuel cells. Effect on titanium dioxide amount. RSC Advances, 2012, 2, 1547-1556.	3.6	94
5	Enhancement of the fuel cell performance of a high temperature proton exchange membrane fuel cell running with titanium composite polybenzimidazole-based membranes. Journal of Power Sources, 2011, 196, 8265-8271.	7.8	78
6	Long-term testing of a high-temperature proton exchange membrane fuel cell short stack operated with improved polybenzimidazole-based composite membranes. Journal of Power Sources, 2015, 274, 177-185.	7.8	74
7	Study of the Catalytic Layer in Polybenzimidazoleâ€“based High Temperature PEMFC: Effect of Platinum Content on the Carbon Support. Fuel Cells, 2010, 10, 312-319.	2.4	67
8	Study of flow channel geometry using current distribution measurement in a high temperature polymer electrolyte membrane fuel cell. Journal of Power Sources, 2011, 196, 4209-4217.	7.8	64
9	Promising TiOSO <sub>4</sub> Composite Polybenzimidazoleâ€“Based Membranes for High Temperature PEMFCs. ChemSusChem, 2011, 4, 1489-1497.	6.8	45
10	Optimisation of the Microporous Layer for a Polybenzimidazoleâ€“Based High Temperature PEMFC â€“ Effect of Carbon Content. Fuel Cells, 2010, 10, 770-777.	2.4	44
11	Scale-up of a high temperature polymer electrolyte membrane fuel cell based on polybenzimidazole. Journal of Power Sources, 2011, 196, 4306-4313.	7.8	34
12	Effect of compression on the performance of a HT-PEM fuel cell. Journal of Applied Electrochemistry, 2013, 43, 1079-1099.	2.9	29
13	An easy parameter estimation procedure for modeling a HT-PEMFC. International Journal of Hydrogen Energy, 2012, 37, 11308-11320.	7.1	22
14	Performance of a high-temperature PEM fuel cell operated with oxygen enriched cathode air and hydrogen from synthetic reformat. International Journal of Hydrogen Energy, 2015, 40, 5432-5438.	7.1	21
15	Demonstrating feasibility of a high temperature polymer electrolyte membrane fuel cell operation with natural gas reformat composition. International Journal of Hydrogen Energy, 2017, 42, 13860-13875.	7.1	21
16	Effect of idling temperature on high temperature polymer electrolyte membrane fuel cell degradation under simulated start/stop cycling conditions. International Journal of Hydrogen Energy, 2016, 41, 19463-19474.	7.1	20
17	Longâ€“term testing of a high temperature polymer electrolyte membrane fuel cell: The effect of reactant gases. AIChE Journal, 2016, 62, 217-227.	3.6	20
18	Durability study of HTPEMFC through current distribution measurements and the application of a model. International Journal of Hydrogen Energy, 2014, 39, 21678-21687.	7.1	17

#	ARTICLE	IF	CITATIONS
19	Life study of a PBI-PEM fuel cell by current distribution measurement. Journal of Applied Electrochemistry, 2012, 42, 711-718.	2.9	15
20	Testing PtRu/CNF catalysts for a high temperature polybenzimidazole-based direct ethanol fuel cell. Effect of metal content. Applied Catalysis B: Environmental, 2011, 106, 174-174.	20.2	14
21	Energy recovery of biogas from juice wastewater through a short high temperature PEMFC stack. International Journal of Hydrogen Energy, 2014, 39, 6937-6943.	7.1	13
22	Micro-Computed Tomography Imaging of HT-PEM Fuel Cells under Contact Pressure Control. ECS Transactions, 2013, 58, 443-452.	0.5	3
23	Impact of Contact Pressure Cycling on Non-Woven GDLs of HT-PEM Fuel Cells. ECS Transactions, 2014, 64, 509-518.	0.5	3
24	Characterization of HT-PEM Membrane-Electrode-Assemblies. , 2016, , 353-386.		3