Francisco Javier Pinar PÃ©rez

List of Publications by Year
in descending order

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	Demonstrating feasibility of a high temperature polymer electrolyte membrane fuel cell operation with natural gas reformate composition. International Journal of Hydrogen Energy, 2017, 42, 13860-13875.	7.1	21
2	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
3	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
4	Characterization of HT-PEM Membrane-Electrode-Assemblies. , 2016, , 353-386.		3
5	Performance of a high-temperature PEM fuel cell operated with oxygen enriched cathode air and hydrogen from synthetic reformate. International Journal of Hydrogen Energy, 2015, 40, 5432-5438.	7.1	21
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	Impact of Contact Pressure Cycling on Non-Woven GDLs of HT-PEM Fuel Cells. ECS Transactions, 2014, 64, 509-518.	0.5	3
8	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
9	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
10	Effect of compression on the performance of a HT-PEM fuel cell. Journal of Applied Electrochemistry, 2013, 43, 1079-1099.	2.9	29
11	Micro-Computed Tomography Imaging of HT-PEM Fuel Cells under Contact Pressure Control. ECS Transactions, 2013, 58, 443-452.	0.5	3
12	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
13	Life study of a PBI-PEM fuel cell by current distribution measurement. Journal of Applied Electrochemistry, 2012, 42, 711-718.	2.9	15
14	An easy parameter estimation procedure for modeling a HT-PEMFC. International Journal of Hydrogen Energy, 2012, 37, 11308-11320.	7.1	22
15	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
16	A novel titanium PBI-based composite membrane for high temperature PEMFCs. Journal of Membrane Science, 2011, 369, 105-111.	8.2	96
17	Promising TiOSO₄ Composite Polybenzimidazoleâ€Based Membranes for High Temperature PEMFCs. ChemSusChem, 2011, 4, 1489-1497.	6.8	45
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Study of the influence of the amount of PBIâ€“H3PO4 in the catalytic layer of a high temperature PEMFC. International Journal of Hydrogen Energy, 2010, 35, 1347-1355.	7.1	148
24	Three-dimensional model of a 50Âcm2 high temperature PEM fuel cell. Study of the flow channel geometry influence. International Journal of Hydrogen Energy, 2010, 35, 5510-5520.	7.1	123