

High temperature proton exchange membranes based on

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Citation Report

#	ARTICLE	IF	CITATIONS
1	PEM Fuel Cells for Transport Applications: State of the Art and Challenges. , 2009, , .		3
2	Comparison of the Sulfur Poisoning of PBI and Nafion PEMFC Cathodes. Electrochemical and Solid-State Letters, 2009, 12, B138.	2.2	35
3	Fully Aromatic Copolyethers for High Temperature Polymer Electrolyte Membrane Fuel Cells. Fuel Cells, 2010, 10, 35-44.	1.5	6
4	A rapid break-in procedure for PBI fuel cells. International Journal of Hydrogen Energy, 2009, 34, 6452-6456.	3.8	40
5	Overview on the application of direct methanol fuel cell (DMFC) for portable electronic devices. International Journal of Hydrogen Energy, 2009, 34, 6902-6916.	3.8	678
6	Redistribution of phosphoric acid in membrane electrode assemblies for high-temperature polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2009, 34, 9479-9485.	3.8	98
7	Study of different bimetallic anodic catalysts supported on carbon for a high temperature polybenzimidazole-based direct ethanol fuel cell. Applied Catalysis B: Environmental, 2009, 91, 269-274.	10.8	37
8	Degradation of high temperature MEA with PBI-H ₃ PO ₄ membrane in a life test. Electrochimica Acta, 2009, 54, 7121-7127.	2.6	94
9	Highly gas permeable and microporous polybenzimidazole membrane by thermal rearrangement. Journal of Membrane Science, 2010, 357, 143-151.	4.1	130
10	Enhanced proton conductivity of polymer electrolyte membrane doped with titanate nanotubes. Colloid and Polymer Science, 2010, 288, 1369-1374.	1.0	16
11	Modelling of CO Poisoning and its Dynamics in HTPEM Fuel Cells. Fuel Cells, 2010, 10, 278-287.	1.5	48
12	Cathodes for High-Temperature PEM Fuel Cells Based on a Si _{0.97} Al _{0.03} C Promoter and a Sn _{0.95} In _{0.05} P ₂ O ₇ Ionomer. Fuel Cells, 2010, 10, 798-803.	1.5	5
13	Optimisation of the Microporous Layer for a Polybenzimidazole-Based High Temperature PEMFC – Effect of Carbon Content. Fuel Cells, 2010, 10, 770-777.	1.5	44
14	Preparation and Characterisation of Proton Exchange Membranes Based on Crosslinked Polybenzimidazole and Phosphoric Acid. Fuel Cells, 2010, 10, 973-982.	1.5	56
15	1.7 nm Platinum Nanoparticles: Synthesis with Glucose Starch, Characterization and Catalysis. ChemPhysChem, 2010, 11, 2844-2853.	1.0	22
16	Nanostructured Poly(benzimidazole): From Mesoporous Networks to Nanofibers. ChemSusChem, 2010, 3, 181-187.	3.6	29
17	Effects of organically modified nanoclay on the transport properties and electrochemical performance of acid-doped polybenzimidazole membranes. Journal of Applied Polymer Science, 2010, 117, 1227-1233.	1.3	20
18	Fluorinated high-performance polymers: Poly(arylene ether)s and aromatic polyimides containing trifluoromethyl groups. Progress in Polymer Science, 2010, 35, 1022-1077.	11.8	471

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19	Formation of core (polystyrene)–shell (polybenzimidazole) nanoparticles using sulfonated polystyrene as template. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 374-383.	5.0	18
20	Covalently cross-linked proton exchange membranes based on sulfonated poly(arylene ether ketone) and polybenzimidazole oligomer. <i>Journal of Membrane Science</i> , 2010, 353, 10-16.	4.1	17
21	Methanol and gas crossover through modified Nafion membranes by incorporation of ionic liquid cations. <i>Journal of Membrane Science</i> , 2010, 360, 363-370.	4.1	42
22	Novel sulfonated poly(arylene ether benzimidazole) Cardo proton conducting membranes for PEMFC. <i>Journal of Membrane Science</i> , 2010, 362, 184-191.	4.1	34
23	Synthesis and characterization of sulfonated poly(arylene ether ketone/ketone phosphine oxide)s as proton exchange membranes. <i>Journal of Membrane Science</i> , 2010, 362, 509-516.	4.1	15
24	New proton conducting polymer blends and their fuel cell performance. <i>Journal of Power Sources</i> , 2010, 195, 170-174.	4.0	24
25	PBI-based composite membranes for polymer fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7765-7769.	4.0	52
26	Thermal properties of phosphoric acid-doped polybenzimidazole membranes in water and methanol–water mixtures. <i>Journal of Power Sources</i> , 2010, 195, 6389-6397.	4.0	19
27	Effects of temperature and humidity on the cell performance and resistance of a phosphoric acid doped polybenzimidazole fuel cell. <i>Journal of Power Sources</i> , 2010, 195, 7152-7159.	4.0	92
28	Molecular simulations of neat, hydrated, and phosphoric acid-doped polybenzimidazoles. Part 1: Poly(2,2–m-phenylene-5,5–bibenzimidazole) (PBI), poly(2,5-benzimidazole) (ABPBI), and poly(p-phenylene) Tj iE8 Qq1 1 06784314 p		
29	Proton conducting membranes based on semi-interpenetrating polymer network of Nafion® and polybenzimidazole. <i>Polymer</i> , 2010, 51, 5473-5481.	1.8	52
30	Structurally isomeric monomers Directed copolymerization of polybenzimidazoles and their properties. <i>Polymer</i> , 2010, 51, 5929-5941.	1.8	43
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32	Study of the influence of the amount of PBI–H3PO4 in the catalytic layer of a high temperature PEMFC. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 1347-1355.	3.8	148
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38	Properties, degradation and high temperature fuel cell test of different types of PBI and PBI blend membranes. Journal of Membrane Science, 2010, 347, 260-270.	4.1	199
39	Phosphoric acid doped high temperature proton exchange membranes based on sulfonated polyetheretherketone incorporated with ionic liquids. Electrochemistry Communications, 2010, 12, 647-649.	2.3	82
40	CO tolerance and CO oxidation at Pt and Pt-Ru anode catalysts in fuel cell with polybenzimidazole-H ₃ PO ₄ membrane. Electrochimica Acta, 2010, 55, 6073-6080.	2.6	58
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64	6 Materials, Proton Conductivity and Electrocatalysis in High-Temperature PEM Fuel Cells. <i>Modern Aspects of Electrochemistry</i> , 2011, , 301-368.	0.2	4
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116	Testing PtRu/CNF catalysts for a high temperature polybenzimidazole-based direct ethanol fuel cell. Effect of metal content. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 174-174.	10.8	14
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