

# High temperature (HT) polymer electrolyte membrane

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Antimony doped tin oxide modified carbon nanotubes as catalyst supports for methanol oxidation and oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9737.	5.2	38
2	Low Pt loading amorphous alloys applied as anodes and the effect of different proton exchange membranes for PEMFCS. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16269-16275.	3.8	2
3	Disruptive innovations: The case for hydrogen fuel cells and battery electric vehicles. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15438-15451.	3.8	78
4	New azaheterocyclic aromatic diphosphonates for hybrid materials for fuel cell applications. <i>New Journal of Chemistry</i> , 2013, 37, 3084.	1.4	9
5	Preferential oxidation of CO over Au/CuOxâ€œCeO2 catalyst in microstructured reactors studied through CFD simulations. <i>Catalysis Today</i> , 2013, 216, 283-291.	2.2	15
6	Structures of small Ti- and V-doped Pt clusters: A GA-DFT study. <i>Computational and Theoretical Chemistry</i> , 2013, 1021, 91-100.	1.1	21
7	Steam reforming of dimethoxymethane to hydrogen-rich gas for fuel cell feeding application. <i>Doklady Physical Chemistry</i> , 2013, 452, 251-253.	0.2	13
8	3D Anhydrous Proton-Transporting Nanochannels Formed by Self-Assembly of Liquid Crystals Composed of a Sulfobetaine and a Sulfonic Acid. <i>Journal of the American Chemical Society</i> , 2013, 135, 15286-15289.	6.6	124
9	Parameter optimization for the effective operation of hydrocarbon based Polymer Electrolyte Membrane for Fuel Cells. , 2013, , .		0
10	Next generation range extension â€” 2 Glimpses of the future. , 2013, , .		0
11	Oxygen reduction reaction over nitrogen-doped graphene oxide cathodes in acid and alkaline fuel cells at intermediate temperatures. <i>Electrochimica Acta</i> , 2013, 112, 82-89.	2.6	38
12	Bifunctional palladium composite membrane for hydrogen separation and catalytic CO methanation. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1720-1729.	6.9	8
13	Acidic Ionic Liquids as Composite Forming Additives for Ion-conducting Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 49, 012039.	0.3	2
14	Stabilized Sulfonated Aromatic Polymers by in situ Solvothermal Cross-Linking. <i>Frontiers in Energy Research</i> , 2014, 2, .	1.2	6
15	Effect of membrane electrode assembly fabrication method on the single cell performances of polybenzimidazole-based high temperature polymer electrolyte membrane fuel cells. <i>Macromolecular Research</i> , 2014, 22, 1214-1220.	1.0	11
16	Performance Degradation Tests of Phosphoric Acid Doped PBI Membrane Based High Temperature PEM Fuel Cells. , 2014, , .		1
17	High Polymer Content 3,5â€œPyridineâ€œPolybenzimidazole Copolymer Membranes with Improved Compressive Properties. <i>Fuel Cells</i> , 2014, 14, 16-25.	1.5	42
18	Derivation of an equivalent electrical circuit model for degradation mechanisms in high temperature pem fuel cells in performance estimation. , 2014, , .		1

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19	Radiation-Grafted Membranes for Polymer Electrolyte Fuel Cells: Current Trends and Future Directions. <i>Chemical Reviews</i> , 2014, 114, 12278-12329.	23.0	164
20	Carbon-Polymer Composite Bipolar Plate for HT-PEMFC. <i>Fuel Cells</i> , 2014, 14, 259-265.	1.5	15
21	Synthesis and Characterization of Sulfonated Poly(Arylene Ether Sulfone) Multiblock Copolymers for Proton Exchange Membrane. <i>Advanced Materials Research</i> , 2014, 989-994, 142-145.	0.3	0
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23	Structural influence of hydrophobic diamine in sulfonated poly(sulfide sulfone imide) copolymers on medium temperature PEM fuel cell. <i>Polymer</i> , 2014, 55, 1317-1326.	1.8	34
24	Highly dispersed Ru on K-doped meso-macroporous SiO <sub>2</sub> for the preferential oxidation of CO in H <sub>2</sub> -rich gases. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13800-13807.	3.8	8
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36	Enhancement of proton exchange membrane fuel cells performance at elevated temperatures and lower humidities by incorporating immobilized phosphotungstic acid in electrodes. <i>Journal of Power Sources</i> , 2014, 263, 217-222.	4.0	26

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38	Template-directed proton conduction pathways in a coordination framework. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10404-10409.	5.2	46
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47	Binderless electrodes for high-temperature polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 272, 559-566.	4.0	36
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51	DFT studies of oxygen dissociation on the 116-atom platinum truncated octahedron particle. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26539-26545.	1.3	23
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74	Online Diagnostics of HTPEM Fuel Cells Using Small Amplitude Transient Analysis for CO Poisoning. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 5175-5186.	5.2	10
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76	KOH-doped polybenzimidazole for alkaline direct glycerol fuel cells. <i>Journal of Membrane Science</i> , 2015, 486, 239-247.	4.1	36
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88	Analysis of accelerated degradation of a HT-PEM fuel cell caused by cell reversal in fuel starvation condition. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2833-2839.	3.8	71
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110	Carbon-Supported Pt-Based Alloy Electrocatalysts for the Oxygen Reduction Reaction in Polymer Electrolyte Membrane Fuel Cells: Particle Size, Shape, and Composition Manipulation and Their Impact to Activity. <i>Chemical Reviews</i> , 2015, 115, 3433-3467.	23.0	1,081
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139	High-temperature passive direct methanol fuel cells operating with concentrated fuels. <i>Journal of Power Sources</i> , 2015, 273, 517-521.	4.0	32
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