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Numerical modeling of three-dimensional two-phase gasliquid flow in the flow field plate of a PEM electrolysis cell

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#	Paper	IF	Citations
79	Effect of flow regime of circulating water on a proton exchange membrane electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 9550-9560	6.7	81
78	CFD Optimization of Gas-Side Flow Channel Configuration Inside a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer Fins. 2011 ,		
77	Optimum design of fluid distribution systems in heat exchangers. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011 , 6, 750-759	1.3	5
76	CFD Optimization of Gas-Side Flow Channel Configuration Inside a High Temperature Bayonet Tube Heat Exchanger With Inner and Outer fins. <i>Journal of Engineering for Gas Turbines and Power</i> , 2011 , 133,	1.7	2
75	Fabrication by vacuum die casting and simulation of aluminum bipolar plates with micro-channels on both sides for proton exchange membrane (PEM) fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 1661-1676	6.7	49
74	Effects of operating parameters on the performance of a high-pressure proton exchange membrane electrolyzer. <i>International Journal of Energy Research</i> , 2013 , 37, 457-467	4.5	39
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72	A comprehensive review on PEM water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 4901-4934	6.7	2398
71	Design and testing of a compact PEM electrolyzer system. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11519-11529	6.7	23
70	Characterisation tools development for PEM electrolyzers. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 14212-14221	6.7	43
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63	Effects of operating conditions on performance of high-temperature polymer electrolyte water electrolyzer. <i>Journal of Power Sources</i> , 2016 , 318, 192-199	8.9	22

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57	Two-dimensional model of low-pressure PEM electrolyser: Two-phase flow regime, electrochemical modelling and experimental validation. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 26203-26216	6.7	32
56	In situ investigation on ultrafast oxygen evolution reactions of water splitting in proton exchange membrane electrolyzer cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18469-18475	13	50
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