

# Sobi Thomas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3716810/publications.pdf>

Version: 2024-02-01

16  
papers

562  
citations

933447

10  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

661  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of PBI-based high temperature PEM fuel cells. International Journal of Hydrogen Energy, 2016, 41, 21310-21344.	7.1	320
2	Fault detection and isolation of high temperature proton exchange membrane fuel cell stack under the influence of degradation. Journal of Power Sources, 2017, 359, 37-47.	7.8	44
3	An experimental and simulation study of novel channel designs for open-cathode high-temperature polymer electrolyte membrane fuel cells. Applied Energy, 2016, 165, 765-776.	10.1	37
4	Experimental study to distinguish the effects of methanol slip and water vapour on a high temperature PEM fuel cell at different operating conditions. Applied Energy, 2017, 192, 422-436.	10.1	35
5	Fault Characterization of a Proton Exchange Membrane Fuel Cell Stack. Energies, 2019, 12, 152.	3.1	31
6	Online health monitoring of a fuel cell using total harmonic distortion analysis. International Journal of Hydrogen Energy, 2014, 39, 4558-4565.	7.1	18
7	The influence of phosphoric acid migration on the performance of high temperature polymer electrolyte fuel cells. Journal of Power Sources, 2018, 399, 151-156.	7.8	15
8	New load cycling strategy for enhanced durability of high temperature proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2017, 42, 27230-27240.	7.1	14
9	Graphical and mathematical analysis of fuel cell/battery passive hybridization with K factors. Applied Energy, 2014, 114, 135-145.	10.1	13
10	Hydrogen mass transport resistance changes in a high temperature polymer membrane fuel cell as a function of current density and acid doping. Electrochimica Acta, 2019, 317, 521-527.	5.2	12
11	Investigating different break-in procedures for reformed methanol high temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2018, 43, 14691-14700.	7.1	11
12	Effects of Impurities on Pre-Doped and Post-Doped Membranes for High Temperature PEM Fuel Cell Stacks. Energies, 2021, 14, 2994.	3.1	9
13	Optimized Flow Distribution for Enhancing Temperature Uniformity across an Open Cathode PEM Fuel Cell Stack. ECS Transactions, 2013, 58, 243-249.	0.5	3
14	Bio-inspired robot platform powered by a commercial PEM fuel cell. , 2013, , .		0
15	Design and Development of 600 W Proton Exchange Membrane Fuel Cell. Journal of the Korean Solar Energy Society, 2014, 34, 17-22.	0.4	0
16	Electrochemical Impedance Parameter Extraction for Online Control of Reformed Methanol High Temperature PEM Fuel Cells. Lecture Notes in Electrical Engineering, 2020, , 395-403.	0.4	0