

# Krishan Talukdar

## List of Publications by Year in descending order

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16  
papers

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citations

1307366

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996849

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17  
all docs

17  
docs citations

17  
times ranked

339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application based multi-objective performance optimization of a proton exchange membrane fuel cell. Journal of Cleaner Production, 2020, 252, 119567.	4.6	58
2	Through-the-Membrane Transient Phenomena in PEM Fuel Cells: A Modeling Study. Journal of the Electrochemical Society, 2019, 166, F3154-F3179.	1.3	47
3	Minimizing mass-transport loss in proton exchange membrane fuel cell by freeze-drying of cathode catalyst layers. Journal of Power Sources, 2019, 427, 309-317.	4.0	43
4	Comparative investigation into the performance and durability of long and short side chain ionomers in Polymer Electrolyte Membrane Fuel Cells. Journal of Power Sources, 2019, 439, 227078.	4.0	37
5	Tuning of Nafion <sup>®</sup> by HKUST-1 as coordination network to enhance proton conductivity for fuel cell applications. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	30
6	Experimental and numerical study on catalyst layer of polymer electrolyte membrane fuel cell prepared with diverse drying methods. Journal of Power Sources, 2020, 461, 228169.	4.0	25
7	Enveloping of catalyst powder by ionomer for dry spray coating in polymer electrolyte membrane fuel cells. Journal of Power Sources, 2019, 424, 82-90.	4.0	14
8	Passive Approach for the Improved Dispersion of Polyvinyl Alcohol-Based Functionalized Multi-Walled Carbon Nanotubes/Nafion <sup>®</sup> Membranes for Polymer Electrolyte Membrane Fuel Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 9329-9334.	0.9	8
9	Polyacrylamide/Nafion <sup>®</sup> /SUP <sup>®</sup> ; Semi-Interpenetrating Networks as Proton-Conducting Membrane of Direct Methanol Fuel Cell. Science of Advanced Materials, 2014, 6, 2389-2394.	0.1	8
10	Proton-Conducting Membranes from Nafion <sup>®</sup> /Polystyrene Sulfonate Composite for Fuel Cell Applications. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 535-540.	0.1	6
11	Proton-Conducting Polymer Membrane Consisting of Cross-Linked Poly(2-hydroxyethyl methacrylate) with Nafion <sup>®</sup> for Fuel Cell Application. Journal of Nanoscience and Nanotechnology, 2018, 18, 5692-5696.	0.9	4
12	Exploring critical parameters of electrode fabrication in polymer electrolyte membrane fuel cells. Journal of Power Sources, 2022, 540, 231638.	4.0	3
13	Reinforcing Nafion <sup>®</sup> with Poly(ethylene-alt-maleic anhydride) as Water-Absorbing and Film-Forming Polymer. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 820-824.	0.1	2
14	High-Performance of PEI/Nafion <sup>®</sup> /ox-MWCNT Composite Membranes Based on Semi-Interpenetrating Polymer Networks for PEMFCs. Journal of Nanoscience and Nanotechnology, 2015, 15, 8825-8831.	0.9	1
15	Study of Semi-Interpenetrating Networks in Nafion <sup>®</sup> /Polyacrylamide Proton Conducting Membranes. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 569-573.	0.1	1
16	(Invited) Mitigating PEMFC Durability Limitations. ECS Meeting Abstracts, 2020, MA2020-02, 2159-2159.	0.0	0