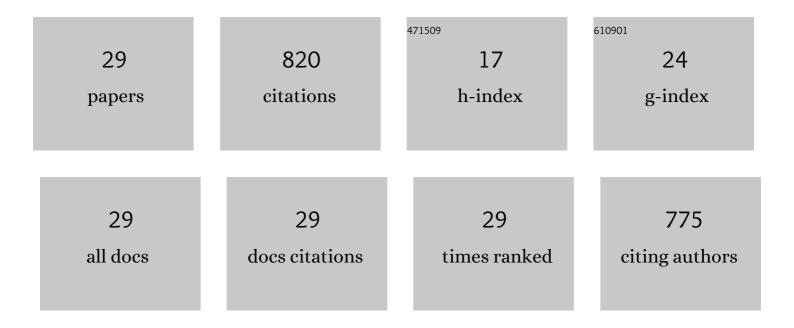
## **Rupak Banerjee**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Carbon felt electrodes for redox flow battery: Impact of compression on transport properties. Journal of Energy Storage, 2019, 26, 100997.	8.1	62
2	Graded Microporous Layers for Enhanced Capillaryâ€Driven Liquid Water Removal in Polymer Electrolyte Membrane Fuel Cells. Advanced Materials Interfaces, 2019, 6, 1901157.	3.7	24
3	Visualization of electrolyte flow in vanadium redox flow batteries using synchrotron X-ray radiography and tomography – Impact of electrolyte species and electrode compression. Journal of Power Sources, 2019, 439, 227071.	7.8	43
4	Liquid water saturation and oxygen transport resistance in polymer electrolyte membrane fuel cell gas diffusion layers. Electrochimica Acta, 2018, 274, 250-265.	5.2	40
5	Modeling the Effect of Fibre Surface Morphology on Liquid Water Transport in Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers. Transport in Porous Media, 2018, 121, 437-458.	2.6	5
6	Microporous Layer Degradation in Polymer Electrolyte Membrane Fuel Cells. Journal of the Electrochemical Society, 2018, 165, F3271-F3280.	2.9	30
7	Hydrophilic microporous layer coatings for polymer electrolyte membrane fuel cells operating without anode humidification. Journal of Power Sources, 2018, 402, 468-482.	7.8	42
8	Characterization of Carbon Felt Electrodes for Vanadium Redox Flow Batteries: Impact of Treatment Methods. Journal of the Electrochemical Society, 2018, 165, A2577-A2586.	2.9	82
9	Transient Liquid Water Distributions in Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers Observed through In-Operando Synchrotron X-ray Radiography. Journal of the Electrochemical Society, 2017, 164, F154-F162.	2.9	35
10	Accelerated Degradation of Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers. Journal of the Electrochemical Society, 2017, 164, F704-F713.	2.9	42
11	Accelerated Degradation of Polymer Electrolyte Membrane Fuel Cell Gas Diffusion Layers. Journal of the Electrochemical Society, 2017, 164, F714-F721.	2.9	30
12	Simultaneous characterization of oxygen transport resistance and spatially resolved liquid water saturation at high-current density of polymer electrolyte membrane fuel cells with varied cathode relative humidity. International Journal of Hydrogen Energy, 2017, 42, 29472-29483.	7.1	38
13	Non-isothermal two-phase transport in a polymer electrolyte membrane fuel cell with crack-free microporous layers. International Journal of Heat and Mass Transfer, 2017, 107, 418-431.	4.8	60
14	Considering Photon Scattering and Harmonics for Synchrotron X-ray Radiographic Imaging of Polymer Electrolyte Membrane Fuel Cells. Journal of the Electrochemical Society, 2017, 164, E3215-E3224.	2.9	4
15	Investigating the Structure of the Bi-Layered Gas Diffusion Layer Using X-Ray Computed Tomography. , 2016, , .		0
16	Porous Transport Layer Related Mass Transport Losses in Polymer Electrolyte Membrane Electrolysis: A Review. , 2016, , .		19
17	Composition analysis of a polymer electrolyte membrane fuel cell microporous layer using scanning transmission X-ray microscopy and near edge X-ray absorption fine structure analysis. Journal of Power Sources, 2016, 309, 254-259.	7.8	7
18	Two-phase flow and thermal transients in proton exchange membrane fuel cells – A critical review. International Journal of Hydrogen Energy, 2015, 40, 3990-4010.	7.1	42

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#	Article	IF	CITATIONS
19	A unit-cell approach for determining the effective thermal conductivity of the polymer electrolyte membrane fuel cell microporous layer. International Journal of Heat and Mass Transfer, 2015, 89, 809-816.	4.8	12
20	Modeling Two-Phase Pressure Drop along PEM Fuel Cell Reactant Channels. Journal of the Electrochemical Society, 2015, 162, F772-F782.	2.9	9
21	Two-Phase Pressure Drop Characteristics During Low Temperature Transients in PEMFCs. , 2014, , .		0
22	Two-phase flow in GDL and reactant channels of a proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2014, 39, 6620-6636.	7.1	58
23	Liquid water quantification in the cathode side gas channels of a proton exchange membrane fuel cell through two-phase flow visualization. Journal of Power Sources, 2014, 247, 9-19.	7.8	50
24	Two-phase pressure drop response during load transients in a PEMFC. International Journal of Hydrogen Energy, 2014, 39, 19079-19086.	7.1	13
25	Experimental validation of two-phase pressure drop multiplier as a diagnostic tool for characterizing PEM fuel cell performance. International Journal of Hydrogen Energy, 2014, 39, 17791-17801.	7.1	41
26	Experimental investigation of two-phase flow pressure drop transients in polymer electrolyte membrane fuel cell reactant channels and their impact on the cell performance. Journal of Power Sources, 2014, 268, 194-203.	7.8	21
27	Effect of Temperature on In-Plane Permeability of the Gas Diffusion Layer of PEM Fuel Cell. ECS Transactions, 2011, 41, 489-497.	0.5	10
28	Hydrophilic Microporous Layer Coatings for Polymer Electrolyte Membrane Fuel Cells. , 0, , .		1
29	Transient Changes in Liquid Water Distribution in Polymer Electrolyte Membrane Fuel Cells. , 0, , .		Ο