# Rupak Banerjee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4141535/publications.pdf

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| 29 | 820 | 471509 | 610901 |
|---|---|---|---|
| papers | citations | 17 | 24 |
| | | h-index | g-index |

| 29 | 29 | 29 | 775 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | 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 â€“ 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 â€“ A critical review. International Journal of Hydrogen Energy, 2015, 40, 3990-4010. | 7.1 | 42 |

| # | 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, , . | | 0 |