

Electrochemical pressure impedance spectroscopy for i polymer electrolyte membrane fuel cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Electrochemical pressure impedance spectroscopy applied to polymer electrolyte membrane fuel cells for investigation of transport phenomena. <i>Electrochimica Acta</i> , 2020, 363, 137157.	5.2	15
2	Polymer Electrolyte Fuel Cell Degradation Mechanisms and Their Diagnosis by Frequency Response Analysis Methods: A Review. <i>Energies</i> , 2020, 13, 5825.	3.1	43
3	Editorial overview: If chemists make chemicals and chemical engineers make money, what do electrochemical engineers do?. <i>Current Opinion in Electrochemistry</i> , 2020, 20, A2-A4.	4.8	2
5	Thin Layered Cactus-Like Nanostructures Wrapped Ni ₃ S ₂ Nanowires: A Robust and Potential Catalyst for Electrooxidation of Hydrazine. <i>ChemElectroChem</i> , 2021, 8, 937-947.	3.4	7
6	Electrochemical impedance characterization of ZnO semiconductor nanoparticles biosynthesized with <i>Verbascum thapsus</i> . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10510-10519.	2.2	6
7	Effects of Oversaturated Cathode Humidity Conditions on the Performance Degradation of PEMFCs and Diagnostic Signals of Warburg Impedance under Low Humidity Conditions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10824-10834.	3.1	6
8	Decoupling oxygen and water transport dynamics in polymer electrolyte membrane fuel cells through frequency response methods based on partial pressure perturbations. <i>Electrochimica Acta</i> , 2021, 390, 138788.	5.2	9
9	Analytical model for PEM fuel cell concentration impedance. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115672.	3.8	11
10	Thermal and dielectric behavior of Ti ₃ C ₂ T _x (MXene) incorporated ethylene vinyl acetate copolymer/linear low-density polyethylene nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4278.	2.2	2
11	Analytical Model for Concentration (Pressure) Impedance of a Low-Pt PEM Fuel Cell Oxygen Electrode Membranes, 2022, 12, 356.	3.0	1
12	Electrochemical Pressure Impedance Spectroscopy for Polymer Electrolyte Membrane Fuel Cells: A Combined Modeling and Experimental Analysis. <i>Journal of the Electrochemical Society</i> , 2022, 169, 034503.	2.9	8
13	Dielectric Properties in Oriented and Unoriented Membranes Based on Poly(Epichlorohydrin-co-Ethylene Oxide) Copolymers: Part III. <i>Polymers</i> , 2022, 14, 1369.	4.5	1
14	Electrochemical Pressure Impedance Spectroscopy for Polymer Electrolyte Fuel Cells via Back-Pressure Control. <i>Journal of the Electrochemical Society</i> , 2022, 169, 044510.	2.9	5
15	Analysis of gas transport phenomena in a polymer electrolyte fuel cell by electrochemical pressure impedance spectroscopy. <i>Journal of Power Sources</i> , 2022, 531, 231341.	7.8	3
16	Characterization of water transport and flooding conditions in polymer electrolyte membrane fuel cells by electrochemical pressure impedance spectroscopy (EPIS). <i>International Journal of Heat and Mass Transfer</i> , 2022, 190, 122767.	4.8	5
17	Analytical concentration impedance of a transport layer. <i>Results in Chemistry</i> , 2022, 4, 100378.	2.0	0
18	Impedance Analysis of Electrochemical Systems. <i>Chemical Reviews</i> , 2022, 122, 11131-11168.	47.7	161
19	Electrochemical Pressure Impedance Spectroscopy for PEM Fuel Cells: Are the Measured Spectra Unique?. <i>Journal of the Electrochemical Society</i> , 2022, 169, 094513.	2.9	2

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20	Flow velocity oscillations in a PEM fuel cell cathode channel induced by harmonic pressure perturbations. <i>Journal of Power Sources</i> , 2023, 558, 232544.	7.8	2
21	Electrochemical Pressure Impedance Spectroscopy for Polymer Electrolyte Membrane Fuel Cells: Signal Interpretation. <i>Journal of the Electrochemical Society</i> , 2023, 170, 054514.	2.9	0
22	Green biopolymer and plasticizer for solid electrolyte preparation: FTIR, electrochemical properties and EDLC characteristics. <i>Arabian Journal of Chemistry</i> , 2023, 16, 105046.	4.9	3
23	Frequency response diagnostics of electrochemical energy devices. <i>Current Opinion in Electrochemistry</i> , 2023, 42, 101378.	4.8	0
24	Dielectric, structural and thermal analyses of conductive titanium carbide (Ti ₃ C ₂ T _x) filled ethylene- α -octene-copolymer nanocomposites. <i>Bulletin of Materials Science</i> , 2023, 46, .	1.7	0
25	Performance of a PEM fuel cell cathode catalyst layer under oscillating potential and oxygen supply. <i>Electrochemistry Communications</i> , 2024, 159, 107655.	4.7	0