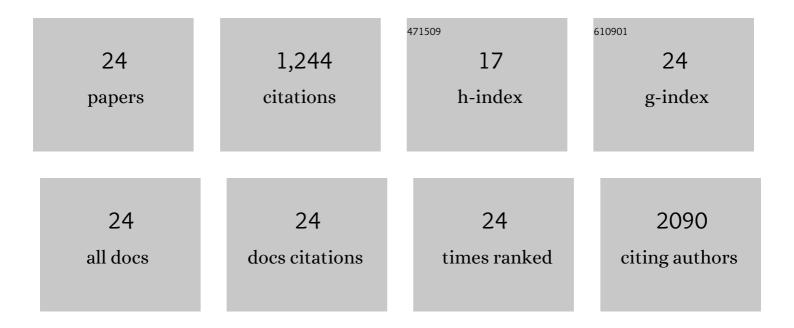
Jason Millichamp

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	In-operando high-speed tomography of lithium-ion batteries during thermal runaway. Nature Communications, 2015, 6, 6924.	12.8	494
2	Effect of clamping pressure on ohmic resistance and compression of gas diffusion layers for polymer electrolyte fuel cells. Journal of Power Sources, 2012, 219, 52-59.	7.8	104
3	Mechanisms and effects of mechanical compression and dimensional change in polymer electrolyte fuel cells – A review. Journal of Power Sources, 2015, 284, 305-320.	7.8	76
4	Current density mapping and optical flow visualisation of a polymer electrolyte membrane water electrolyser. Journal of Power Sources, 2014, 265, 97-103.	7.8	66
5	Elucidating the Sodiation Mechanism in Hard Carbon by Operando Raman Spectroscopy. ACS Applied Energy Materials, 2020, 3, 7474-7484.	5.1	56
6	A study of the effect of compression on the performance ofÂpolymer electrolyte fuel cells using electrochemical impedance spectroscopy and dimensional change analysis. International Journal of Hydrogen Energy, 2013, 38, 7414-7422.	7.1	53
7	A study of the effect of water management and electrode flooding onÂthe dimensional change of polymer electrolyte fuel cells. Journal of Power Sources, 2013, 242, 70-77.	7.8	45
8	4D nano-tomography of electrochemical energy devices using lab-based X-ray imaging. Nano Energy, 2018, 47, 556-565.	16.0	37
9	Design of a miniature flow cell for <i>in situ</i> x-ray imaging of redox flow batteries. Journal Physics D: Applied Physics, 2016, 49, 434002.	2.8	35
10	Investigating the effect of thermal gradients on stress in solid oxide fuel cell anodes using combined synchrotron radiation and thermal imaging. Journal of Power Sources, 2015, 288, 473-481.	7.8	33
11	Measurement of water uptake in thin-film Nafion and anion alkaline exchange membranes using the quartz crystal microbalance. Journal of Membrane Science, 2016, 497, 229-238.	8.2	32
12	A study of carbon deposition on solid oxide fuel cell anodes using electrochemical impedance spectroscopy in combination with a high temperature crystal microbalance. Journal of Power Sources, 2013, 235, 14-19.	7.8	28
13	An electrochemical treatment to improve corrosion and contact resistance of stainless steel bipolar plates used in polymer electrolyte fuel cells. Journal of Power Sources, 2014, 245, 1014-1026.	7.8	25
14	Effect of compression on the water management of polymer electrolyte fuel cells: An in-operando neutron radiography study. Journal of Power Sources, 2019, 412, 597-605.	7.8	25
15	The Importance of Using Alkaline Ionomer Binders for Screening Electrocatalysts in Alkaline Electrolyte. Journal of the Electrochemical Society, 2017, 164, F1551-F1555.	2.9	21
16	Investigation of water generation and accumulation in polymer electrolyte fuel cells using hydro-electrochemical impedance imaging. Journal of Power Sources, 2019, 414, 272-277.	7.8	21
17	A novel polymer electrolyte fuel cell flow-field: The through-plane array. Journal of Power Sources, 2019, 442, 227218.	7.8	18
18	Application of a GaPO ₄ Crystal Microbalance for the Detection of Coke Formation in High-Temperature Reactors and Solid Oxide Fuel Cells. Industrial & Engineering Chemistry Research, 2011, 50, 8371-8375.	3.7	16

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#	Article	IF	CITATIONS
19	Integration of supercapacitors into printed circuit boards. Journal of Energy Storage, 2018, 19, 28-34.	8.1	14
20	Alkaline anion exchange membrane degradation as a function of humidity measured using the quartz crystal microbalance. International Journal of Hydrogen Energy, 2017, 42, 6243-6249.	7.1	13
21	Effect of reactant gas flow orientation on the current and temperature distribution in self-heating polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2021, 46, 7502-7514.	7.1	11
22	A novel high-temperature furnace for combined <i>inÂsitu</i> synchrotron X-ray diffraction and infrared thermal imaging to investigate the effects of thermal gradients upon the structure of ceramic materials. Journal of Synchrotron Radiation, 2014, 21, 1134-1139.	2.4	9
23	Effect of humidity on the interaction of CO2 with alkaline anion exchange membranes probed using the quartz crystal microbalance. International Journal of Hydrogen Energy, 2017, 42, 24301-24307.	7.1	9
24	An Electrochemical Impedance Spectroscopy Study and Two Phase Flow Analysis of the Anode of Polymer Electrolyte Membrane Water Electrolyser. ECS Transactions, 2015, 68, 117-131.	0.5	3