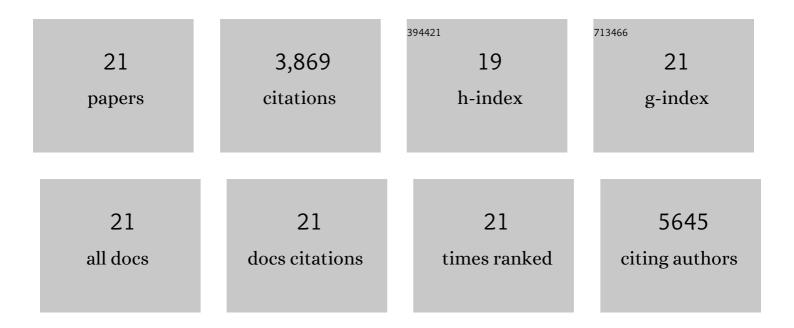
Dustin Banham

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7609010/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Batteries and fuel cells for emerging electric vehicle markets. Nature Energy, 2018, 3, 279-289.	39.5	1,944
2	A review of the stability and durability of non-precious metal catalysts for the oxygen reduction reaction in proton exchange membrane fuel cells. Journal of Power Sources, 2015, 285, 334-348.	7.8	457
3	Current Status and Future Development of Catalyst Materials and Catalyst Layers for Proton Exchange Membrane Fuel Cells: An Industrial Perspective. ACS Energy Letters, 2017, 2, 629-638.	17.4	443
4	Critical advancements in achieving high power and stable nonprecious metal catalyst–based MEAs for real-world proton exchange membrane fuel cell applications. Science Advances, 2018, 4, eaar7180.	10.3	189
5	Is the rapid initial performance loss of Fe/N/C non precious metal catalysts due to micropore flooding?. Energy and Environmental Science, 2017, 10, 296-305.	30.8	127
6	Integrating PGMâ€Free Catalysts into Catalyst Layers and Proton Exchange Membrane Fuel Cell Devices. Advanced Materials, 2019, 31, e1804846.	21.0	121
7	Multiscale tomography of nanoporous carbon-supported noble metal catalyst layers. Journal of Power Sources, 2013, 228, 185-192.	7.8	70
8	Accelerated Stress Testing by Rotating Disk Electrode for Carbon Corrosion in Fuel Cell Catalyst Supports. Journal of the Electrochemical Society, 2015, 162, F783-F788.	2.9	69
9	Bimodal, templated mesoporous carbons for capacitor applications. Carbon, 2010, 48, 1056-1063.	10.3	55
10	Effect of Pt-loaded carbon support nanostructure on oxygen reduction catalysis. Journal of Power Sources, 2011, 196, 5438-5445.	7.8	55
11	Effect of carbon support nanostructure on the oxygen reduction activity of Pt/C catalysts. Journal of Materials Chemistry A, 2013, 1, 2812.	10.3	53
12	New insights into non-precious metal catalyst layer designs for proton exchange membrane fuel cells: Improving performance and stability. Journal of Power Sources, 2017, 344, 39-45.	7.8	43
13	Ultralow platinum loading proton exchange membrane fuel cells: Performance losses and solutions. Journal of Power Sources, 2021, 490, 229515.	7.8	43
14	Novel Mesoporous Carbon Supports for PEMFC Catalysts. Catalysts, 2015, 5, 1046-1067.	3.5	39
15	Native Ligand Carbonization Renders Common Platinum Nanoparticles Highly Durable for Electrocatalytic Oxygen Reduction: Annealing Temperature Matters. Advanced Materials, 2022, 34, e2202743.	21.0	34
16	Embellished hollow spherical catalyst boosting activity and durability for oxygen reduction reaction. Nano Energy, 2018, 51, 745-753.	16.0	33
17	New approach for rapidly determining Pt accessibility of Pt/C fuel cell catalysts. Journal of Materials Chemistry A, 2021, 9, 13471-13476.	10.3	31
18	First time investigation of Pt nanocatalysts deposited inside carbon mesopores of controlled length and diameter. Journal of Materials Chemistry, 2012, 22, 7164.	6.7	29

#	Article	IF	CITATIONS
19	Oxygen reduction activity dependence on the mesoporous structure of imprinted carbon supports. Electrochemistry Communications, 2010, 12, 1666-1669.	4.7	28
20	Pulsed vs. galvanostatic accelerated stress test protocols: Comparing predictions for anode reversal tolerance in proton exchange membrane fuel cells. Journal of Power Sources, 2021, 500, 229986.	7.8	5
21	Methods for Remit Voltage Reversal of Proton Exchange Membrane Fuel Cells. Frontiers in Energy Research, 2022, 10, .	2.3	1