Bryan Pivovar

List of Publications by Year
in descending order

16	961	759233 12	888059 17
papers	citations	h-index	g-index

17	17	17	1646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane-Induced Vanadium Crossover-Blocking Polybenzimidazole Copolymer with Exceptional Proton Selectivity. ACS Applied Polymer Materials, 2022, 4, 381-393.	4.4	5
2	Water limiting current measurements in anion exchange membrane fuel cells (AEMFCs); part 1: Water limiting current method development. Journal of Power Sources, 2022, 539, 231534.	7.8	5
3	Hydrogen as Part of a 100% Clean Energy System: Exploring Its Decarbonization Roles. IEEE Power and Energy Magazine, 2022, 20, 85-95.	1.6	6
4	Bipolar membrane polarization behavior with systematically varied interfacial areas in the junction region. Journal of Materials Chemistry A, 2021, 9, 2223-2238.	10.3	20
5	Exploring the Interface of Skinâ€Layered Titanium Fibers for Electrochemical Water Splitting. Advanced Energy Materials, 2021, 11, 2002926.	19.5	48
6	Methods identifying cost reduction potential for water electrolysis systems. Current Opinion in Chemical Engineering, 2021, 33, 100714.	7.8	21
7	Catalysts for fuel cell transportation and hydrogen related uses. Nature Catalysis, 2019, 2, 562-565.	34.4	90
8	Perspectives on Low-Temperature Electrolysis and Potential for Renewable Hydrogen at Scale. Annual Review of Chemical and Biomolecular Engineering, 2019, 10, 219-239.	6.8	223
9	A Roadmap to Lowâ€Cost Hydrogen with Hydroxide Exchange Membrane Electrolyzers. Advanced Materials, 2019, 31, e1805876.	21.0	184
10	Relating alkaline stability to the structure of quaternary phosphonium cations. RSC Advances, 2018, 8, 26640-26645.	3.6	12
11	Evaluating the Influence of PEMFC System Contaminants on the Performance of Pt Catalyst via Cyclic Voltammetry. Electrocatalysis, 2014, 5, 62-67.	3.0	16
12	Shapeâ€directed platinum nanoparticle synthesis: nanoscale design of novel catalysts. Applied Organometallic Chemistry, 2014, 28, 1-17.	3.5	91
13	Platinum Coated Copper Nanowires and Platinum Nanotubes as Oxygen Reduction Electrocatalysts. ACS Catalysis, 2013, 3, 358-362.	11.2	94
14	Controlled Synthesis of Nanoscale Icosahedral Gold Particles at Room Temperature. ChemCatChem, 2012, 4, 1662-1667.	3.7	15
15	Tuning Carbon-Based Fuel Cell Catalyst Support Structures via Nitrogen Functionalization. I. Investigation of Structural and Compositional Modification of Highly Oriented Pyrolytic Graphite Model Catalyst Supports as a Function of Nitrogen Implantation Dose. Journal of Physical Chemistry C, 2011, 115, 13667-13675.	3.1	76
16	Tuning Carbon-Based Fuel Cell Catalyst Support Structures via Nitrogen Functionalization. II. Investigation of Durability of Ptâ€“Ru Nanoparticles Supported on Highly Oriented Pyrolytic Graphite Model Catalyst Supports As a Function of Nitrogen Implantation Dose. Journal of Physical Chemistry C, 2011, 115, 13676-13684.	3.1	54