

Bryan Pivovar

List of Publications by Year in descending order

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16
papers

961
citations

759233

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888059

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17
all docs

17
docs citations

17
times ranked

1646
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Roadmap to Low-Cost Hydrogen with Hydroxide Exchange Membrane Electrolyzers. Advanced Materials, 2019, 31, e1805876.	21.0	184
3	Platinum Coated Copper Nanowires and Platinum Nanotubes as Oxygen Reduction Electrocatalysts. ACS Catalysis, 2013, 3, 358-362.	11.2	94
4	Shape-directed platinum nanoparticle synthesis: nanoscale design of novel catalysts. Applied Organometallic Chemistry, 2014, 28, 1-17.	3.5	91
5	Catalysts for fuel cell transportation and hydrogen related uses. Nature Catalysis, 2019, 2, 562-565.	34.4	90
6	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
7	Tuning Carbon-Based Fuel Cell Catalyst Support Structures via Nitrogen Functionalization. II. Investigation of Durability of Pt-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
8	Exploring the Interface of Skin-Layered Titanium Fibers for Electrochemical Water Splitting. Advanced Energy Materials, 2021, 11, 2002926.	19.5	48
9	Methods identifying cost reduction potential for water electrolysis systems. Current Opinion in Chemical Engineering, 2021, 33, 100714.	7.8	21
10	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
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	Controlled Synthesis of Nanoscale Icosahedral Gold Particles at Room Temperature. ChemCatChem, 2012, 4, 1662-1667.	3.7	15
13	Relating alkaline stability to the structure of quaternary phosphonium cations. RSC Advances, 2018, 8, 26640-26645.	3.6	12
14	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
15	Membrane-Induced Vanadium Crossover-Blocking Polybenzimidazole Copolymer with Exceptional Proton Selectivity. ACS Applied Polymer Materials, 2022, 4, 381-393.	4.4	5
16	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