

Ying Huang

List of Publications by Year in descending order

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13
papers

657
citations

1162367

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1372195

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915
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of durable and non-durable Fe _{Nx} sites in Fe-N-C materials for proton exchange membrane fuel cells. <i>Nature Catalysis</i> , 2021, 4, 10-19.	16.1	368
2	Using operando techniques to understand and design high performance and stable alkaline membrane fuel cells. <i>Nature Communications</i> , 2020, 11, 3561.	5.8	113
3	Highly Durable and Selective Fe- and Mo-Based Atomically Dispersed Electrocatalysts for Nitrate Reduction to Ammonia via Distinct and Synergized NO ₂ ⁺ Pathways. <i>ACS Catalysis</i> , 2022, 12, 6651-6662.	5.5	58
4	Effects of precipitation, liquid formation, and intervalence charge transfer on the properties and photocatalytic performance of cobalt- or vanadium-doped TiO ₂ thin films. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19025-19056.	3.8	40
5	Catalysts by pyrolysis: Direct observation of chemical and morphological transformations leading to transition metal-nitrogen-carbon materials. <i>Materials Today</i> , 2021, 47, 53-68.	8.3	30
6	Catalysts by pyrolysis: Direct observation of transformations during re-pyrolysis of transition metal-nitrogen-carbon materials leading to state-of-the-art platinum group metal-free electrocatalyst. <i>Materials Today</i> , 2022, 53, 58-70.	8.3	23
7	Interpreting Ionic Conductivity for Polymer Electrolyte Fuel Cell Catalyst Layers with Electrochemical Impedance Spectroscopy and Transmission Line Modeling. <i>Journal of the Electrochemical Society</i> , 2021, 168, 054502.	1.3	12
8	Disintegration of <i>Nannochloropsis</i> sp. cells in an improved turbine bead mill. <i>Bioresource Technology</i> , 2017, 245, 641-648.	4.8	10
9	Pyrolysis of Metal Organic Frameworks (MOF): Transformations Leading to Formation of Transition Metal-Nitrogen-Carbon Catalysts. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 476-476.	0.0	2
10	Measurement of Contact Angles at Carbon Fiber-Water-Air Triple Phase Boundaries inside Gas Diffusion Media of Polymer Electrolyte Membrane Fuel Cells from Xray Computed Tomography. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 968-968.	0.0	1
11	Carbon Corrosion in Polymer Electrolyte Fuel Cells: A Complex Interplay between Morphological Changes and Electrochemical Performance. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1957-1957.	0.0	0
12	Electrochemical Trends of Atomically Dispersed Metal-Nitrogen-Carbon Materials As Oxygen Reduction Reaction Catalysts and Active Supports. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1472-1472.	0.0	0
13	The Role of Atomically Dispersed Transition Metal Centers for the Electrochemical Nitrate Reduction Reaction Towards Ammonia Synthesis. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1806-1806.	0.0	0