

Shahid Zaman

List of Publications by Citations

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36
papers

1,469
citations

19
h-index

38
g-index

38
ext. papers

2,402
ext. citations

12.4
avg, IF

5.46
L-index

#	Paper	IF	Citations
36	Metal-Organic Framework-Derived Carbon Nanorods Encapsulating Bismuth Oxides for Rapid and Selective CO Electroreduction to Formate. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10807-10813	16.4	127
35	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18021-18028	9.5	120
34	Formation of a Tubular Assembly by Ultrathin Ti _{0.8} Co _{0.2} N Nanosheets as Efficient Oxygen Reduction Electrocatalysts for Hydrogen/Metal-Air Fuel Cells. <i>ACS Catalysis</i> , 2018 , 8, 8970-8975	13.1	115
33	A Zeolitic-Imidazole Frameworks-Derived Interconnected Macroporous Carbon Matrix for Efficient Oxygen Electrocatalysis in Rechargeable Zinc-Air Batteries. <i>Advanced Materials</i> , 2020 , 32, e2002170	24	113
32	Recent Progress on Transition Metal Oxides as Bifunctional Catalysts for Lithium-Air and Zinc-Air Batteries. <i>Batteries and Supercaps</i> , 2019 , 2, 336-347	5.6	108
31	Redox Tuning in Crystalline and Electronic Structure of Bimetal-Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. <i>Advanced Materials</i> , 2019 , 31, e1905744	24	93
30	Advanced Platinum-Based Oxygen Reduction Electrocatalysts for Fuel Cells. <i>Accounts of Chemical Research</i> , 2021 , 54, 311-322	24.3	86
29	Recent Progress on Two-dimensional Electrocatalysis. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 611-621	2.2	84
28	A core/shell structured tubular graphene nanoflake-coated polypyrrole hybrid for all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3913-3918	13	69
27	Oxygen Reduction Electrocatalysts toward Practical Fuel Cells: Progress and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17832-17852	16.4	67
26	In situ formation of Ni ₃ Se ₄ nanorod arrays as versatile electrocatalysts for electrochemical oxidation reactions in hybrid water electrolysis. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15653-15658	13	64
25	Local spin-state tuning of cobalt-iron selenide nanoframes for the boosted oxygen evolution. <i>Energy and Environmental Science</i> , 2021 , 14, 365-373	35.4	57
24	Highly efficient electroconversion of carbon dioxide into hydrocarbons by cathodized copper-organic frameworks. <i>Chemical Science</i> , 2019 , 10, 7975-7981	9.4	43
23	Engineering 2D Photocatalysts toward Carbon Dioxide Reduction. <i>Advanced Energy Materials</i> , 2021 , 11, 2003159	21.8	41
22	Engineering one-dimensional and hierarchical PtFe alloy assemblies towards durable methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13090-13095	13	34
21	Metal-Organic Framework-Derived Carbon Nanorods Encapsulating Bismuth Oxides for Rapid and Selective CO ₂ Electroreduction to Formate. <i>Angewandte Chemie</i> , 2020 , 132, 10899-10905	3.6	27
20	Lead Oxide Enveloped in N-Doped Graphene Oxide Composites for Enhanced High-Rate Partial-State-of-Charge Performance of Lead-Acid Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11408-11413	8.3	24

19	Recent Advances on MOF Derivatives for Non-Noble Metal Oxygen Electrocatalysts in Zinc-Air Batteries. <i>Nano-Micro Letters</i> , 2021 , 13, 137	19.5	22
18	Rational design and synthesis of one-dimensional platinum-based nanostructures for oxygen-reduction electrocatalysis. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1459-1472	11.3	19
17	Well-connection of micro-platinum and cobalt oxide flower array with optimized water dissociation and hydrogen recombination for efficient overall water splitting. <i>Chemical Engineering Journal</i> , 2020 , 398, 125669	14.7	18
16	Transition metal/carbon hybrids for oxygen electrocatalysis in rechargeable zinc-air batteries. <i>EcoMat</i> , 2021 , 3, e12067	9.4	18
15	Dicyandiamide and iron-tannin framework derived nitrogen-doped carbon nanosheets with encapsulated iron carbide nanoparticles as advanced pH-universal oxygen reduction catalysts. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 196-201	9.3	18
14	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25530-25537	16.4	17
13	Oxygen Reduction Electrocatalysts toward Practical Fuel Cells: Progress and Perspectives. <i>Angewandte Chemie</i> , 2021 , 133, 17976-17996	3.6	16
12	Porous Carbon/rGO Composite: An Ideal Support Material of Highly Efficient Palladium Electrocatalysts for the Formic Acid Oxidation Reaction. <i>ChemElectroChem</i> , 2017 , 4, 3126-3133	4.3	15
11	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metal-Nitrogen-Graphene for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	10
10	A Zeolitic-Imidazole Framework-Derived Trifunctional Electrocatalyst for Hydrazine Fuel Cells. <i>ACS Nano</i> , 2021 , 15, 10286-10295	16.7	8
9	Synthesis and Application of Platinum-based Hollow Nanoframes for Direct Alcohol Fuel Cells. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2009035-0	3.8	7
8	Online electrochemical behavior analysis on the negative plate of lead-acid batteries during the high-rate partial-state-of-charge cycle. <i>Electrochimica Acta</i> , 2020 , 354, 136776	6.7	7
7	Direct integration of ultralow-platinum alloy into nanocarbon architectures for efficient oxygen reduction in fuel cells. <i>Science Bulletin</i> , 2021 , 66, 2207-2216	10.6	7
6	Corrosion Chemistry of Electrocatalysts.. <i>Advanced Materials</i> , 2022 , e2200840	24	5
5	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metal-Nitrogen-Graphene for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2022 , 134,	3.6	4
4	Elucidating the Correlation between ORR Polarization Curves and Kinetics at Metal-Electrolyte Interfaces.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	3
3	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. <i>Angewandte Chemie</i> , 2021 , 133, 25734	3.6	2
2	Thermal management system for liquid-cooling PEMFC stack: From primary configuration to system control strategy. <i>ETransportation</i> , 2022 , 12, 100165	12.7	1

- 1 Dual functions of three-dimensional hierarchical architecture on improving the rate capability and cycle performance of $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ cathode material for lithium-ion battery. *Ceramics International*, **2022**, 48, 9124-9133 5.1 0