Shahid Zaman

List of Publications by Year in Descending Order

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	Corrosion Chemistry of Electrocatalysts.. *Advanced Materials*, **2022**, e2200840	24	5
35	Elucidating the Correlation between ORR Polarization Curves and Kinetics at Metal-Electrolyte Interfaces.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	3
34	Dual functions of three-dimensional hierarchical architecture on improving the rate capability and cycle performance of LiNi0.8Co0.1Mn0.1O2 cathode material for lithium-ion battery. *Ceramics International*, **2022**, 48, 9124-9133	5.1	0
33	Thermal management system for liquid-cooling PEMFC stack: From primary configuration to system control strategy. *ETransportation*, **2022**, 12, 100165	12.7	1
32	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metal□Nitrogen□Graphene for Efficient Oxygen Reduction. *Angewandte Chemie*, **2022**, 134,	3.6	4
31	Rational design and synthesis of one-dimensional platinum-based nanostructures for oxygen-reduction electrocatalysis. *Chinese Journal of Catalysis*, **2022**, 43, 1459-1472	11.3	19
30	Recent Advances on MOF Derivatives for Non-Noble Metal Oxygen Electrocatalysts in Zinc-Air Batteries. *Nano-Micro Letters*, **2021**, 13, 137	19.5	22
29	A Zeolitic-Imidazole Framework-Derived Trifunctional Electrocatalyst for Hydrazine Fuel Cells. *ACS Nano*, **2021**, 15, 10286-10295	16.7	8
28	Transition metal/carbon hybrids for oxygen electrocatalysis in rechargeable zinc-air batteries. *EcoMat*, **2021**, 3, e12067	9.4	18
27	Advanced Platinum-Based Oxygen Reduction Electrocatalysts for Fuel Cells. *Accounts of Chemical Research*, **2021**, 54, 311-322	24.3	86
26	Engineering 2D Photocatalysts toward Carbon Dioxide Reduction. *Advanced Energy Materials*, **2021**, 11, 2003159	21.8	41
25	Oxygen Reduction Electrocatalysts toward Practical Fuel Cells: Progress and Perspectives. *Angewandte Chemie - International Edition*, **2021**, 60, 17832-17852	16.4	67
24	Oxygen Reduction Electrocatalysts toward Practical Fuel Cells: Progress and Perspectives. *Angewandte Chemie*, **2021**, 133, 17976-17996	3.6	16
23	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. *Angewandte Chemie - International Edition*, **2021**, 60, 25530-25537	16.4	17
22	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. *Angewandte Chemie*, **2021**, 133, 25734	3.6	2
21	Direct integration of ultralow-platinum alloy into nanocarbon architectures for efficient oxygen reduction in fuel cells. *Science Bulletin*, **2021**, 66, 2207-2216	10.6	7
20	Local spin-state tuning of cobalt□iron selenide nanoframes for the boosted oxygen evolution. *Energy and Environmental Science*, **2021**, 14, 365-373	35.4	57

19	Scalable Molten Salt Synthesis of Platinum Alloys Planted in Metal-Nitrogen-Graphene for Efficient Oxygen Reduction. *Angewandte Chemie - International Edition*, **2021**,	16.4	10
18	A Zeolitic-Imidazole Frameworks-Derived Interconnected Macroporous Carbon Matrix for Efficient Oxygen Electrocatalysis in Rechargeable Zinc-Air Batteries. *Advanced Materials*, **2020**, 32, e2002170	24	113
17	Well-connection of micro-platinum and cobalt oxide flower array with optimized water dissociation and hydrogen recombination for efficient overall water splitting. *Chemical Engineering Journal*, **2020**, 398, 125669	14.7	18
16	Metal-Organic Framework-Derived Carbon Nanorods Encapsulating Bismuth Oxides for Rapid and Selective CO Electroreduction to Formate. *Angewandte Chemie - International Edition*, **2020**, 59, 10807-10813	16.4	127
15	Metal□Organic Framework-Derived Carbon Nanorods Encapsulating Bismuth Oxides for Rapid and Selective CO2 Electroreduction to Formate. *Angewandte Chemie*, **2020**, 132, 10899-10905	3.6	27
14	Synthesis and Application of Platinum-based Hollow Nanoframes for Direct Alcohol Fuel Cells. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2009035-0	3.8	7
13	Recent Progress on Two-dimensional Electrocatalysis. *Chemical Research in Chinese Universities*, **2020**, 36, 611-621	2.2	84
12	Online electrochemical behavior analysis on the negative plate of lead-acid batteries during the high-rate partial-state-of-charge cycle. *Electrochimica Acta*, **2020**, 354, 136776	6.7	7
11	Engineering one-dimensional and hierarchical PtFe alloy assemblies towards durable methanol electrooxidation. *Journal of Materials Chemistry A*, **2019**, 7, 13090-13095	13	34
10	Highly efficient electroconversion of carbon dioxide into hydrocarbons by cathodized copper-organic frameworks. *Chemical Science*, **2019**, 10, 7975-7981	9.4	43
9	Redox Tuning in Crystalline and Electronic Structure of Bimetal-Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. *Advanced Materials*, **2019**, 31, e1905744	24	93
8	Recent Progress on Transition Metal Oxides as Bifunctional Catalysts for Lithium-Air and Zinc-Air Batteries. *Batteries and Supercaps*, **2019**, 2, 336-347	5.6	108
7	A core/shell structured tubular graphene nanoflake-coated polypyrrole hybrid for all-solid-state flexible supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 3913-3918	13	69
6	Lead Oxide Enveloped in N-Doped Graphene Oxide Composites for Enhanced High-Rate Partial-State-of-Charge Performance of Lead-Acid Battery. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11408-11413	8.3	24
5	In situ formation of Ni3Se4 nanorod arrays as versatile electrocatalysts for electrochemical oxidation reactions in hybrid water electrolysis. *Journal of Materials Chemistry A*, **2018**, 6, 15653-15658	13	64
4	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. *ACS Applied Materials & Interfaces*, **2018**, 10, 18021-18028	9.5	120
3	Formation of a Tubular Assembly by Ultrathin Ti0.8Co0.2N Nanosheets as Efficient Oxygen Reduction Electrocatalysts for Hydrogen□Metal□Air Fuel Cells. *ACS Catalysis*, **2018**, 8, 8970-8975	13.1	115
2	Dicyandiamide and iron-tannin framework derived nitrogen-doped carbon nanosheets with encapsulated iron carbide nanoparticles as advanced pH-universal oxygen reduction catalysts. *Journal of Colloid and Interface Science*, **2018**, 530, 196-201	9.3	18

1	Porous Carbon/rGO Composite: An Ideal Support Material of Highly Efficient Palladium Electrocatalysts for the Formic Acid Oxidation Reaction. *ChemElectroChem*, **2017**, 4, 3126-3133	4.3	15