Cheng He

List of Publications by Year
in descending order

22	959	759233 12	752698 20
papers	citations	h-index	g-index

24	24	24	1219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance enhancement and degradation mechanism identification of a single-atom Coâ€“Nâ€“C catalyst for proton exchange membrane fuel cells. Nature Catalysis, 2020, 3, 1044-1054.	34.4	443
2	Electrocatalysis in Alkaline Media and Alkaline Membrane-Based Energy Technologies. Chemical Reviews, 2022, 122, 6117-6321.	47.7	195
3	Efficient pH-gradient-enabled microscale bipolar interfaces in direct borohydride fuel cells. Nature Energy, 2019, 4, 281-289.	39.5	61
4	Pt/C/Ni(OH)₂Bi-Functional Electrocatalyst for Enhanced Hydrogen Evolution Reaction Activity under Alkaline Conditions. Journal of the Electrochemical Society, 2017, 164, F1307-F1315.	2.9	41
5	Understanding the Oxygen Reduction Reaction Activity and Oxidative Stability of Pt Supported on Nbâ€Doped TiO₂. ChemSusChem, 2019, 12, 3468-3480.	6.8	39
6	Synthesis and characteristics of a novel, high-nitrogen, heat-resistant, insensitive material (NOG₂Tz). Journal of Materials Chemistry, 2012, 22, 60-63.	6.7	29
7	Highly Durable and Active Pt/Sb-Doped SnO2 Oxygen Reduction Reaction Electrocatalysts Produced by Atomic Layer Deposition. ACS Applied Energy Materials, 2020, 3, 5774-5783.	5.1	27
8	Pt/RuO₂-TiO₂Electrocatalysts Exhibit Excellent Hydrogen Evolution Activity in Alkaline Media. Journal of the Electrochemical Society, 2017, 164, F1234-F1240.	2.9	20
9	Nâ€and Pâ€coâ€doped Graphite Felt Electrode for Improving Positive Electrode Chemistry of the Vanadium Redox Flow Battery. ChemistrySelect, 2018, 3, 8678-8687.	1.5	17
10	Self-Anchored Platinum-Decorated Antimony-Doped-Tin Oxide as a Durable Oxygen Reduction Electrocatalyst. ACS Catalysis, 2021, 11, 7006-7017.	11.2	17
11	Enhanced methane electrooxidation by ceria and nickel oxide impregnated perovskite anodes in solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 11287-11296.	7.1	14
12	Editorsâ€™ Choiceâ€”Examining Performance and Durability of Anion Exchange Membrane Fuel Cells with Novel Spirocyclic Anion Exchange Membranes. Journal of the Electrochemical Society, 2021, 168, 044525.	2.9	14
13	Î²-Nickel hydroxide cathode material for nano-suspension redox flow batteries. Frontiers in Energy, 2017, 11, 401-409.	2.3	13
14	Probing Anion Exchange Membrane Fuel Cell Cathodes by Varying Electrocatalysts and Electrode Processing. Journal of the Electrochemical Society, 2022, 169, 024507.	2.9	7
15	Co₃O₄-Impregnated NiOâ€“YSZ: An Efficient Catalyst for Direct Methane Electrooxidation. ACS Applied Materials & Interfaces, 2020, 12, 32578-32590.	8.0	6
16	Bidirectional energy & fuel production using RTO-supported-Ptâ€“IrO2 loaded fixed polarity unitized regenerative fuel cells. Sustainable Energy and Fuels, 2021, 5, 2734-2746.	4.9	5
17	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
18	Ex-solution kinetics of nickel-ceriaâ€“doped strontium titanate perovskites. Ionics, 2021, 27, 2527-2536.	2.4	2

#	Article	IF	Citations
19	Metalâ€Nitrogenâ€Carbon Clusterâ€Decorated Titanium Carbide is a Durable and Inexpensive Oxygen Reduction Reaction Electrocatalyst. ChemSusChem, 2021, 14, 4680-4689.	6.8	2
20	Investigating the Impact of the Ionomer on Alkaline Membrane Fuel Cell (AEMFC) Electrode Performance. ECS Meeting Abstracts, 2021, MA2021-02, 1055-1055.	0.0	2
21	Understanding the Oxygen Reduction Reaction Activity and Oxidative Stability of Pt Supported on Nbâ€Doped TiO 2. ChemSusChem, 2019, 12, 3409-3409.	6.8	0
22	Metalâ€Nitrogenâ€Carbon Clusterâ€Decorated Titanium Carbide is a Durable and Inexpensive Oxygen Reduction Reaction Electrocatalyst. ChemSusChem, 2021, 14, 4613-4614.	6.8	0