Donghong Duan

List of Publications by Year
in descending order

23	488	623734 14	677142 22
papers	citations	h-index	g-index

23	23	23	477
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effective carbon supported coreâ€“shell structure of Ni@Au catalysts for electro-oxidation of borohydride. International Journal of Hydrogen Energy, 2015, 40, 488-500.	7.1	73
2	Nitrogen-doped carbon quantum dots/Ag3PO4 complex photocatalysts with enhanced visible light driven photocatalytic activity and stability. Journal of Colloid and Interface Science, 2017, 491, 238-245.	9.4	58
3	Electrodeposition of cobalt-iron bimetal phosphide on Ni foam as a bifunctional electrocatalyst for efficient overall water splitting. Journal of Colloid and Interface Science, 2022, 622, 250-260.	9.4	48
4	Investigation of carbon-supported Ni@Ag core-shell nanoparticles as electrocatalyst for electrooxidation of sodium borohydride. Journal of Solid State Electrochemistry, 2016, 20, 2699-2711.	2.5	28
5	Analysis of the kinetics of borohydride oxidation in Cu anode for direct borohydride fuel cell. Journal of Power Sources, 2012, 210, 198-203.	7.8	27
6	An absorption mechanism and polarity-induced viscosity model for CO₂ capture using hydroxypyridine-based ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 1134-1142.	2.8	26
7	Performance evaluation of borohydride electrooxidation reaction with ternary alloy Auâ€“Niâ€“Cu/C catalysts. Journal of Applied Electrochemistry, 2018, 48, 835-847.	2.9	26
8	MOF-derived cobalt phosphide as highly efficient electrocatalysts for hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2021, 892, 115300.	3.8	25
9	Amorphous NiB alloy decorated by Cu as the anode catalyst for a direct borohydride fuel cell. International Journal of Hydrogen Energy, 2019, 44, 10971-10981.	7.1	24
10	Synthesis of nest-like porous MnCoâ€“P electrocatalyst by electrodeposition on nickel foam for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 6620-6630.	7.1	23
11	MOF-derived cobalt manganese phosphide as highly efficient electrocatalysts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 12927-12936.	7.1	19
12	Unique allosteric effect-driven rapid adsorption of carbon dioxide in a newly designed ionogel [P₄₄₄₄][2-Op]@MCM-41 with excellent cyclic stability and loading-dependent capacity. Journal of Materials Chemistry A, 2017, 5, 6504-6514.	10.3	18
13	Preparation and structural evolution of well aligned-carbon nanotube arrays onto conductive carbon-black layer/carbon paper substrate with enhanced discharge capacity for Liâ€“air batteries. Chemical Engineering Journal, 2016, 283, 911-921.	12.7	17
14	New Insights into the Electrocatalytic Mechanism of Methanol Oxidation on Amorphous Ni-B-Co Nanoparticles in Alkaline Media. Catalysts, 2019, 9, 749.	3.5	16
15	The correlation of the properties of pyrrolidinium-based ionic liquid electrolytes with the dischargeâ€“charge performances of rechargeable Liâ€“O2 batteries. Journal of Power Sources, 2016, 329, 207-215.	7.8	12
16	Oxygen reduction reaction of different electrodes in dimethyl sulfoxide solvent for Li-air batteries. International Journal of Hydrogen Energy, 2015, 40, 10847-10855.	7.1	10
17	Enhancement in photocatalytic performance of Agâ€“AgCl decorated with h-WO3 and mechanism insight. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	7
18	Performance study of amorphous NiB alloys modified by Mo as electrocatalysts for borohydride oxidation. Ionics, 2022, 28, 1377-1386.	2.4	7

#	Article	IF	Citations
19	Evaluation of Coâ€“Au bimetallic nanoparticles as anode electrocatalyst for direct borohydride-hydrogen peroxide fuel cell. Ionics, 2021, 27, 3521.	2.4	6
20	An Integrated Structural Air Electrode Based on Parallel Porous Nitrogen-Doped Carbon Nanotube Arrays for Rechargeable Liâ€“Air Batteries. Nanomaterials, 2019, 9, 1412.	4.1	5
21	Moâ€“Bi Bimetallic Chalcogenide Nanoparticles Supported on CNTs for the Efficient Electrochemical Reduction of CO2 to Methanol. Coatings, 2020, 10, 1142.	2.6	5
22	Deciphering the intrinsic kinetics of liquid lithium polysulfides redox process in ether-based flowing electrolyte for Liâ€“S batteries. Chemical Engineering Journal, 2022, 427, 131586.	12.7	4
23	A Heterostructured Sulfonated CNT/Sulfur/CNT Cathode for Promoting the Binary Conversion of Polysulfides in Lithiumâ€Metal Batteries. Batteries and Supercaps, 2022, 5, .	4.7	4