

# Donghong Duan

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

488  
citations

623734

14  
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677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

477  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the intrinsic kinetics of liquid lithium polysulfides redox process in ether-based flowing electrolyte for Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 131586.	12.7	4
2	A Heterostructured Sulfonated CNT/Sulfur/CNT Cathode for Promoting the Binary Conversion of Polysulfides in Lithium-Metal Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	4
3	Performance study of amorphous NiB alloys modified by Mo as electrocatalysts for borohydride oxidation. <i>Ionics</i> , 2022, 28, 1377-1386.	2.4	7
4	Synthesis of nest-like porous MnCo-P electrocatalyst by electrodeposition on nickel foam for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6620-6630.	7.1	23
5	MOF-derived cobalt manganese phosphide as highly efficient electrocatalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 12927-12936.	7.1	19
6	Electrodeposition of cobalt-iron bimetal phosphide on Ni foam as a bifunctional electrocatalyst for efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 250-260.	9.4	48
7	Evaluation of Co-Au bimetallic nanoparticles as anode electrocatalyst for direct borohydride-hydrogen peroxide fuel cell. <i>Ionics</i> , 2021, 27, 3521.	2.4	6
8	MOF-derived cobalt phosphide as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 892, 115300.	3.8	25
9	Mo-Bi Bimetallic Chalcogenide Nanoparticles Supported on CNTs for the Efficient Electrochemical Reduction of CO <sub>2</sub> to Methanol. <i>Coatings</i> , 2020, 10, 1142.	2.6	5
10	New Insights into the Electrocatalytic Mechanism of Methanol Oxidation on Amorphous Ni-B-Co Nanoparticles in Alkaline Media. <i>Catalysts</i> , 2019, 9, 749.	3.5	16
11	An Integrated Structural Air Electrode Based on Parallel Porous Nitrogen-Doped Carbon Nanotube Arrays for Rechargeable Li-Air Batteries. <i>Nanomaterials</i> , 2019, 9, 1412.	4.1	5
12	Amorphous NiB alloy decorated by Cu as the anode catalyst for a direct borohydride fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10971-10981.	7.1	24
13	Enhancement in photocatalytic performance of Ag-AgCl decorated with h-WO <sub>3</sub> and mechanism insight. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	7
14	Performance evaluation of borohydride electrooxidation reaction with ternary alloy Au-Ni-Cu/C catalysts. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 835-847.	2.9	26
15	Unique allosteric effect-driven rapid adsorption of carbon dioxide in a newly designed ionogel [P <sub>4444</sub> ][2-Op]@MCM-41 with excellent cyclic stability and loading-dependent capacity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6504-6514.	10.3	18
16	Nitrogen-doped carbon quantum dots/Ag <sub>3</sub> PO <sub>4</sub> complex photocatalysts with enhanced visible light driven photocatalytic activity and stability. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 238-245.	9.4	58
17	An absorption mechanism and polarity-induced viscosity model for CO <sub>2</sub> capture using hydroxypyridine-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1134-1142.	2.8	26
18	The correlation of the properties of pyrrolidinium-based ionic liquid electrolytes with the discharge-charge performances of rechargeable Li-O <sub>2</sub> batteries. <i>Journal of Power Sources</i> , 2016, 329, 207-215.	7.8	12

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19	Investigation of carbon-supported Ni@Ag core-shell nanoparticles as electrocatalyst for electrooxidation of sodium borohydride. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2699-2711.	2.5	28
20	Preparation and structural evolution of well aligned-carbon nanotube arrays onto conductive carbon-black layer/carbon paper substrate with enhanced discharge capacity for Li-air batteries. <i>Chemical Engineering Journal</i> , 2016, 283, 911-921.	12.7	17
21	Oxygen reduction reaction of different electrodes in dimethyl sulfoxide solvent for Li-air batteries. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10847-10855.	7.1	10
22	The effective carbon supported core-shell structure of Ni@Au catalysts for electro-oxidation of borohydride. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 488-500.	7.1	73
23	Analysis of the kinetics of borohydride oxidation in Cu anode for direct borohydride fuel cell. <i>Journal of Power Sources</i> , 2012, 210, 198-203.	7.8	27