Cuijuan Zhang

List of Publications by Year
in descending order

45 papers	1,245 citations	361413 20 h-index	377865 34 g-index
46 all docs	46 docs citations	46 times ranked	1488 citing authors

#	Article	IF	Citations
1	Highly selective metal-organic framework-based (MOF-5) separator for non-aqueous redox flow battery. Chemical Engineering Journal, 2022, 433, 133564.	12.7	14
2	Highly efficient NO direct decomposition over BaMnO3-CeO2 composite catalysts. Applied Catalysis A: General, 2022, 634, 118543.	4.3	2
3	Coupling Tetraalkylammonium and Ethylene Glycol Ether Side Chain To Enable Highly Soluble Anthraquinone-Based Ionic Species for Nonaqueous Redox Flow Battery. ACS Applied Materials & Interfaces, 2022, 14, 17369-17377.	8.0	3
4	Porous poly(vinylidene fluoride) (PVDF) membrane with 2D vermiculite nanosheets modification for non-aqueous redox flow batteries. Journal of Membrane Science, 2022, 651, 120468.	8.2	3
5	Molecular engineering the naphthalimide compounds as High-Capacity anolyte for nonaqueous redox flow batteries. Chemical Engineering Journal, 2022, 439, 135766.	12.7	8
6	Amorphous Nickel Oxides Supported on Carbon Nanosheets as High-Performance Catalysts for Electrochemical Synthesis of Hydrogen Peroxide. ACS Catalysis, 2022, 12, 5911-5920.	11.2	37
7	Molecular engineering redox-active organic materials for nonaqueous redox flow battery. Current Opinion in Chemical Engineering, 2022, 37, 100851.	7.8	4
8	A Comprehensive Review on the Development of Solidâ€State Metalâ€"Air Batteries Operated on Oxideâ€Ion Chemistry. Advanced Energy Materials, 2021, 11, 2000630.	19.5	20
9	Promotion of the performance of Cu-SSZ-13 for selective catalytic reduction of NOx by ammonia in the presence of SO2 during high temperature hydrothermal aging. Journal of Catalysis, 2021, 394, 228-235.	6.2	20
10	Anthraquinone-based electroactive ionic species as stable multi-redox anode active materials for high-performance nonaqueous redox flow batteries. Journal of Materials Chemistry A, 2021, 9, 22056-22063.	10.3	12
11	A high-rate nonaqueous organic redox flow battery. Journal of Power Sources, 2021, 495, 229819.	7.8	21
12	Tuning the Catalytic Activity of Complex Metal Oxides Prepared by a One-Pot Method for NO Direct Decomposition. Industrial & Engineering Chemistry Research, 2021, 60, 9399-9408.	3.7	1
13	Two-dimensional vermiculite nanosheets-modified porous membrane for non-aqueous redox flow batteries. Journal of Power Sources, 2021, 500, 229987.	7.8	15
14	Amorphous Nickel Oxide as Efficient Electrocatalyst for Urea Oxidation Reaction. Journal of the Electrochemical Society, 2021, 168, 076502.	2.9	3
15	Membranes in non-aqueous redox flow battery: A review. Journal of Power Sources, 2021, 500, 229983.	7.8	70
16	Liquid Nitrobenzene-Based Anolyte Materials for High-Current and -Energy-Density Nonaqueous Redox Flow Batteries. ACS Applied Materials & Interfaces, 2021, 13, 35579-35584.	8.0	11
17	Tailoring the BaCoO3-CeO2 catalyst for NO direct decomposition: Factors determining catalytic activity. Journal of Catalysis, 2021, 400, 301-309.	6.2	6
18	Ferrocene/Phthalimide Ionic Bipolar Redox-Active Molecule for Symmetric Nonaqueous Redox Flow Batteries. ACS Applied Energy Materials, 2021, 4, 8045-8051.	5.1	17

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19	NO direct decomposition: progress, challenges and opportunities. Catalysis Science and Technology, 2021, 11, 374-391.	4.1	14
20	Enhanced hydrothermal stability of Cu-SSZ-13 by compositing with Cu-SAPO-34 in selective catalytic reduction of nitrogen oxides with ammonia. Catalysis Today, 2020, 355, 627-634.	4.4	26
21	A high-performance all-iron non-aqueous redox flow battery. Journal of Power Sources, 2020, 445, 227331.	7.8	59
22	Two-dimensional metal-organic framework nanosheets-modified porous separator for non-aqueous redox flow batteries. Journal of Membrane Science, 2020, 612, 118463.	8.2	20
23	Ferrocene/anthraquinone based bi-redox molecule for symmetric nonaqueous redox flow battery. Journal of Power Sources, 2020, 480, 229132.	7.8	26
24	High Performance Catalysts BaCoO 3 â^'CeO 2 Prepared by the Oneâ€Pot Method for NO Direct Decomposition. ChemCatChem, 2020, 12, 4297-4303.	3.7	8
25	Amorphous cobalt-cerium binary metal oxides as high performance electrocatalyst for oxygen evolution reaction. Journal of Catalysis, 2020, 384, 14-21.	6.2	35
26	Solid-oxide metalâ€"air redox batteries. , 2020, , 217-250.		0
27	Enhanced hydrothermal stability of a Cu-SSZ-13 catalyst for the selective reduction of NOx by NH3 synthesized with SAPO-34 micro-crystallite as seed. Journal of Catalysis, 2019, 377, 218-223.	6.2	56
28	Enhancing the performance of an all-organic non-aqueous redox flow battery. Journal of Power Sources, 2019, 443, 227283.	7.8	38
29	An all organic redox flow battery with high cell voltage. RSC Advances, 2019, 9, 13128-13132.	3.6	27
30	Proton-mediated energy storage in intermediate-temperature solid-oxide metalâ€"air batteries. Journal of Materials Chemistry A, 2018, 6, 20659-20662.	10.3	8
31	Lithium-Metal Anodes: Incorporating Ionic Paths into 3D Conducting Scaffolds for High Volumetric and Areal Capacity, High Rate Lithium-Metal Anodes (Adv. Mater. 33/2018). Advanced Materials, 2018, 30, 1870248.	21.0	5
32	Crumpled graphene-encapsulated sulfur for lithiumâ€"sulfur batteries. RSC Advances, 2018, 8, 18502-18507.	3.6	6
33	Incorporating Ionic Paths into 3D Conducting Scaffolds for High Volumetric and Areal Capacity, High Rate Lithiumâ€Metal Anodes. Advanced Materials, 2018, 30, e1801328.	21.0	134
34	Simultaneously Enhancing the Thermal Stability, Mechanical Modulus, and Electrochemical Performance of Solid Polymer Electrolytes by Incorporating 2D Sheets. Advanced Energy Materials, 2018, 8, 1800866.	19.5	221
35	A new composite cathode for intermediate temperature solid oxide fuel cells with zirconia-based electrolytes. Journal of Power Sources, 2017, 342, 419-426.	7.8	28
36	MOF-derived iron as an active energy storage material for intermediate-temperature solid oxide ironâ€"air redox batteries. Chemical Communications, 2017, 53, 10564-10567.	4.1	22

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37	Water Oxidation Catalysis: Tuning the Electrocatalytic Properties of Amorphous Lanthanum Cobaltite through Calcium Doping. ACS Catalysis, 2017, 7, 6385-6391.	11.2	18
38	New insights into the early stages of thermal oxidation of carbon/carbon composites using electrochemical methods. Carbon, 2016, 108, 178-189.	10.3	21
39	An Intermediate-Temperature Solid Oxide Ironâ€“Air Redox Battery Operated on O^{2â€“}-Chemistry and Loaded with Pd-Catalyzed Iron-Based Energy Storage Material. ACS Energy Letters, 2016, 1, 1206-1211.	17.4	21
40	A dynamic solid oxide fuel cell empowered by the built-in iron-bed solid fuel. Energy and Environmental Science, 2016, 9, 3746-3753.	30.8	22
41	Water oxidation catalysis: an amorphous quaternary Ba-Sr-Co-Fe oxide as a promising electrocatalyst for the oxygen-evolution reaction. Chemical Communications, 2016, 52, 1513-1516.	4.1	63
42	Mapping the performance of amorphous ternary metal oxide water oxidation catalysts containing aluminium. Journal of Materials Chemistry A, 2015, 3, 756-761.	10.3	48
43	Computational Analysis of Performance Limiting Factors for the New Solid Oxide Iron-air Redox Battery Operated at 550 Â°C. Electrochimica Acta, 2015, 178, 190-198.	5.2	17
44	Water Oxidation Catalysis: Survey of Amorphous Binary Metal Oxide Films Containing Lanthanum and Late 3d Transition Metals. European Journal of Inorganic Chemistry, 2014, 2014, 660-664.	2.0	17
45	A novel cathode material BaCe0.4Sm0.2Co0.4O3âˆ’Î´ for proton conducting solid oxide fuel cell. Electrochemistry Communications, 2011, 13, 1070-1073.	4.7	18