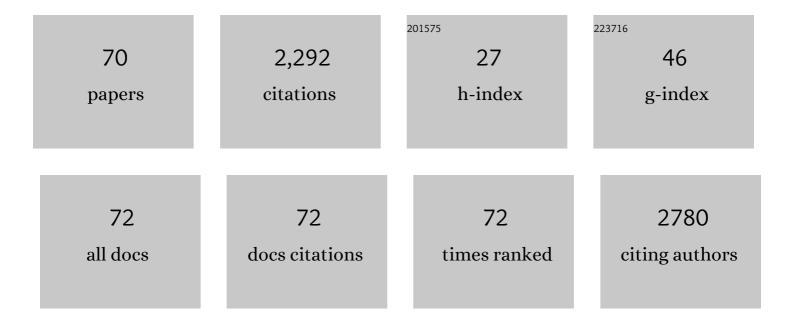
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Review of Functional Binders in Lithium–Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1802107.	10.2	324
2	Recent advances in understanding dendrite growth on alkali metal anodes. EnergyChem, 2019, 1, 100003.	10.1	146
3	Rational Design of Hierarchically Core–Shell Structured Ni ₃ S ₂ @NiMoO ₄ Nanowires for Electrochemical Energy Storage. Small, 2018, 14, e1800791.	5.2	111
4	Lithium-Anode Protection in Lithium–Sulfur Batteries. Trends in Chemistry, 2019, 1, 693-704.	4.4	98
5	Structurally Ordered Fe ₃ Pt Nanoparticles on Robust Nitride Support as a High Performance Catalyst for the Oxygen Reduction Reaction. Advanced Energy Materials, 2019, 9, 1803040.	10.2	96
6	Improved interfacial electronic contacts powering high sulfur utilization in all-solid-state lithium–sulfur batteries. Energy Storage Materials, 2020, 25, 436-442.	9.5	85
7	Engineering the electronic and strained interface for high activity of PdMcore@Ptmonolayer electrocatalysts for oxygen reduction reaction. Science Bulletin, 2020, 65, 1396-1404.	4.3	76
8	A Simple and Scalable Route to Synthesize Co <i>_x</i> Cu _{1â~} <i>_x</i> Co ₂ O ₄ @Co <i><sub Yolk–Shell Microspheres, A Highâ€Performance Catalyst to Hydrolyze Ammonia Borane for Hydrogen Production. Small, 2019, 15, e1805460.</sub </i>	∙>y< <u>/s</u> ub><	:/i>Cu ₁
9	N-Doped 3D Porous Ni/C Bifunctional Electrocatalysts for Alkaline Water Electrolysis. ACS Sustainable Chemistry and Engineering, 2019, 7, 3974-3981.	3.2	59
10	CuCo2O4 nanoplate film as a low-cost, highly active and durable catalyst towards the hydrolytic dehydrogenation of ammonia borane for hydrogen production. Journal of Power Sources, 2017, 355, 191-198.	4.0	57
11	A rational synthesis of single-atom iron–nitrogen electrocatalysts for highly efficient oxygen reduction reaction. Journal of Materials Chemistry A, 2020, 8, 16271-16282.	5.2	52
12	High sensitivity of TiO2 nanorod array electrode for photoelectrochemical glucose sensor and its photo fuel cell application. Electrochemistry Communications, 2018, 94, 18-22.	2.3	51
13	Slurryâ€Coated Sulfur/Sulfide Cathode with Li Metal Anode for Allâ€Solidâ€State Lithiumâ€Sulfur Pouch Cells. Batteries and Supercaps, 2020, 3, 596-603.	2.4	50
14	lron (Fe, Ni, Co)-based transition metal compounds for lithium-sulfur batteries: Mechanism, progress and prospects. Journal of Energy Chemistry, 2022, 73, 513-532.	7.1	50
15	Interfacial redox behaviors of sulfide electrolytes in fast-charging all-solid-state lithium metal batteries. Energy Storage Materials, 2020, 31, 267-273.	9.5	45
16	Synthesis of nitrogen-doped MnO/carbon network as an advanced catalyst for direct hydrazine fuel cells. Journal of Power Sources, 2019, 413, 209-215.	4.0	41
17	Materials Engineering in Perovskite for Optimized Oxygen Evolution Electrocatalysis in Alkaline Condition. Small, 2021, 17, e2006638.	5.2	41
18	High-performance LiFePO4/C materials: Effect of carbon source on microstructure and performance. Journal of Power Sources, 2012, 211, 52-58.	4.0	35

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19	Balanced capture and catalytic ability toward polysulfides by designing MoO ₂ –Co ₂ Mo ₃ O ₈ heterostructures for lithium–sulfur batteries. Nanoscale, 2021, 13, 15689-15698.	2.8	35
20	Co ₄ Nâ€Decorated 3D Woodâ€Derived Carbon Host Enables Enhanced Cathodic Electrocatalysis and Homogeneous Lithium Deposition for Lithium–Sulfur Full Cells. Small, 2022, 18, e2105664.	5.2	34
21	Manganese dioxide core–shell nanostructure to achieve excellent cycling stability for asymmetric supercapacitor applications. RSC Advances, 2017, 7, 33635-33641.	1.7	33
22	Synergistic effects of porphyrin-ring catalytic center and metal catalytic site from crosslinked porphyrin-based porous polyimides cathode host for lithium polysulfides conversion in lithium-sulfur batteries. Chemical Engineering Journal, 2022, 430, 132692.	6.6	33
23	Synthesis of nitrogen-doped ordered mesoporous carbon electrocatalyst: Nanoconfinement effect in SBA-15 template. International Journal of Hydrogen Energy, 2016, 41, 18027-18032.	3.8	32
24	Sea-Urchin-like Hollow CuMoO ₄ –CoMoO ₄ Hybrid Microspheres, a Noble-Metal-like Robust Catalyst for the Fast Hydrogen Production from Ammonia Borane. ACS Applied Energy Materials, 2021, 4, 633-642.	2.5	31
25	Yolk-double shells hierarchical N-doped carbon nanosphere as an electrochemical nanoreactor for high performance lithium-sulfur batteries. Carbon, 2022, 198, 80-90.	5.4	30
26	Enhanced Cycleability of Amorphous MnO2 by Covering on α-MnO2 Needles in an Electrochemical Capacitor. Materials, 2017, 10, 988.	1.3	28
27	Ammonia borane methanolysis for hydrogen evolution on Cu3Mo2O9/NiMoO4 hollow microspheres. Chemical Engineering Journal, 2022, 449, 137755.	6.6	28
28	Nitrogen-doped ordered mesoporous carbon: Effect of carbon precursor on oxygen reduction reactions. Chinese Journal of Catalysis, 2016, 37, 1562-1567.	6.9	27
29	Toward Practical All-solid-state Batteries with Sulfide Electrolyte: A Review. Chemical Research in Chinese Universities, 2020, 36, 377-385.	1.3	24
30	Inhibition of lithium dendrites and dead lithium by an ionic liquid additive toward safe and stable lithium metal anodes. Chinese Chemical Letters, 2022, 33, 3951-3954.	4.8	24
31	Fe3C@NCNT as a promoter for the sulfur cathode toward high-performance lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 899, 163245.	2.8	24
32	Rational Design of an Ionic Liquidâ€Based Electrolyte with High Ionic Conductivity Towards Safe Lithium/Lithiumâ€Ion Batteries. Chemistry - an Asian Journal, 2019, 14, 2810-2814.	1.7	23
33	Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage. Small, 2021, 17, e2008047.	5.2	23
34	Stress Regulation on Atomic Bonding and Ionic Diffusivity: Mechanochemical Effects in Sulfide Solid Electrolytes. Energy & Fuels, 2021, 35, 10210-10218.	2.5	22
35	Electrochemical Behavior of Vanadium Redox Couples on Carbon Electrode. Journal of the Electrochemical Society, 2016, 163, H937-H942.	1.3	21
36	CuO-Co ₃ O ₄ Composite Nanoplatelets for Hydrolyzing Ammonia Borane. ACS Applied Nano Materials, 2021, 4, 7640-7649.	2.4	21

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37	MnCo ₂ O ₄ film composed of nanoplates: synthesis, characterization and its superior catalytic performance in the hydrolytic dehydrogenation of ammonia borane. Catalysis Science and Technology, 2017, 7, 3573-3579.	2.1	20
38	Sulfuryl chloride as a functional additive towards dendrite-free and long-life Li metal anodes. Journal of Materials Chemistry A, 2019, 7, 25003-25009.	5.2	20
39	Modulating the Acidic Properties of Mesoporous Mo _x –Ni _{0.8} Cu _{0.2} O Nanowires for Enhanced Catalytic Performance toward the Methanolysis of Ammonia Borane for Hydrogen Production. ACS Applied Materials &: Interfaces, 2022, 14, 27979-27993.	4.0	20
40	Enhancement of capacity at high charge/discharge rate and cyclic stability of LiFePO4/C by nickel doping. Ionics, 2013, 19, 445-450.	1.2	19
41	Mn Nanoparticles Encapsulated within Mesoporous Helical Nâ€Đoped Carbon Nanotubes as Highly Active Air Cathode for Zinc–Air Batteries. Advanced Sustainable Systems, 2019, 3, 1900085.	2.7	19
42	Scalable Construction of Hollow Multishell Co ₃ O ₄ with Mitigated Interface Reconstruction for Efficient Lithium Storage. Advanced Materials Interfaces, 2020, 7, 2000667.	1.9	19
43	A dopamine-based high redox potential catholyte for aqueous organic redox flow battery. Journal of Power Sources, 2020, 460, 228124.	4.0	19
44	Achieving Dendrite–free lithium Plating/Stripping from mixed Ion/Electron–Conducting scaffold Li2S@Ni NWs-NF for stable lithium metal anodes. Chemical Engineering Journal, 2022, 447, 137401.	6.6	18
45	Achieving job-synergistic polysulfides adsorption-conversion within hollow structured MoS2/Co4S3/C heterojunction host for long-life lithium–sulfur batteries. Journal of Colloid and Interface Science, 2022, 626, 535-543.	5.0	17
46	Synergy of nitrogen vacancies and partially broken hydrogen bonds in graphitic carbon nitride for superior photocatalytic hydrogen evolution under visible light. Catalysis Science and Technology, 2022, 12, 5032-5044.	2.1	14
47	Robust InNCo _{3–<i>x</i>} Mn <i>_{<i>x</i>}</i> Nitride-Supported Pt Nanoparticles as High-Performance Bifunctional Electrocatalysts for Zn–Air Batteries. ACS Applied Energy Materials, 2020, 3, 5293-5300.	2.5	13
48	Nonstoichiometric Cu0.6Ni0.4Co2O4 Nanowires as an Anode Material for High Performance Lithium Storage. Nanomaterials, 2020, 10, 191.	1.9	13
49	Unusual Formation of CoS _{0.61} Se _{0.25} Anion Solid Solution with Sulfur Defects to Promote Electrocatalytic Water Reduction. ACS Applied Energy Materials, 2021, 4, 2976-2982.	2.5	12
50	An ultrathin 2D semi-ordered mesoporous silica film: co-operative assembly and application. RSC Advances, 2016, 6, 75058-75062.	1.7	11
51	Tuning the Catalytic Activity of Ir@Pt Nanoparticles Through Controlling Ir Core Size on Cathode Performance for PEM Fuel Cell Application. Frontiers in Chemistry, 2018, 6, 299.	1.8	11
52	Modification of Nitrate Ion Enables Stable Solid Electrolyte Interphase in Lithium Metal Batteries. Angewandte Chemie, 2022, 134, .	1.6	9
53	Directional assist (0Â1Â0) plane growth in LiMnPO4 prepared by solvothermal method with polyols to enhance electrochemical performance. Chinese Journal of Chemical Engineering, 2021, 36, 181-189.	1.7	7
54	Fabrication and Porous Architecture of Crosslinked Polyimides for Lithium–Sulfur Batteries and Their Electrochemical Properties. Industrial & Engineering Chemistry Research, 0, , .	1.8	7

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55	Porous grape-like spherical silica with hydrogen storage capability, synthesized using neutral dual surfactants as templates. International Journal of Hydrogen Energy, 2009, 34, 3810-3815.	3.8	6
56	Simplifying the creation of iron compound inserted, nitrogen-doped carbon nanotubes and its catalytic application. Journal of Alloys and Compounds, 2021, 857, 157543.	2.8	6
57	Carbon-Based Conductive Frameworks and Metal Catalytic Sites Derived from Cross-Linked Porous Porphyrin-Based Polyimides for Enhanced Conversion of Lithium Polysulfides in Li–S Batteries. ACS Applied Energy Materials, 2021, 4, 14497-14507.	2.5	6
58	LiFePO ₄ /C Microspheres with Nano-micro Structure, Prepared by Spray Drying Method Assisted with PVA as Template. Current Nanoscience, 2012, 8, 208-214.	0.7	5
59	Cu0.4Co0.6MoO4 Nanorods Supported on Graphitic Carbon Nitride as a Highly Active Catalyst for the Hydrolytic Dehydrogenation of Ammonia Borane. Catalysts, 2019, 9, 714.	1.6	5
60	Selfâ€Sacrifice Template Fabrication of Grapheneâ€like Nitrogenâ€Doped Porous Carbon Nanosheets for Applications in Lithiumâ€lon Batteries and Oxygen Reduction Reaction. Energy Technology, 2021, 9, 2100666.	1.8	5
61	Phosphorus-Containing C ₉ H ₂₁ P ₃ O ₆ Molecules as an Electrolyte Additive Improves LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ /Graphite Batteries Working in High/Low-Temperature Conditions. Industrial & amp; Engineering Chemistry Research, 2022, 61,	1.8	4
62	40424049. Tailoring the density of nanoflakes to enhance the hybrid battery performance of the NiS sheet array electrode. Materials Research Bulletin, 2021, 140, 111293.	2.7	3
63	Flexible Self-Supporting 3D Electrode Based on 3D Graphene-PPy@Fe-MnCo ₂ O ₄ Nanostructure Arrays toward High-Performance Wearable Supercapacitors. ACS Applied Energy Materials, 2022, 5, 5937-5946.	2.5	3
64	Boosted Catalytic Activity toward the Hydrolysis of Ammonia Borane by Mixing Co- and Cu-Based Catalysts. Catalysts, 2022, 12, 426.	1.6	3
65	Ni0.25Co0.75O nanowire array supported on Cu@CuO foam, an inexpensive and durable catalyst for hydrogen generation from ammonia borane. Catalysis Communications, 2021, 159, 106343.	1.6	2
66	Liquid Phase Therapy with Localized High-Concentration Electrolytes for Solid-State Li Metal Pouch Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	2
67	Editorial: Recent Development of Nanocatalysts for Hydrogen Production. Frontiers in Chemistry, 2020, 8, 576.	1.8	1
68	Carbon-based cathode host derived from crosslinked porous polyimides for lithium-sulfur batteries and their electrochemical properties. International Journal of Hydrogen Energy, 2022, , .	3.8	1
69	Electrochemical Energy Storage: Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage (Small 21/2021). Small, 2021, 17, 2170103.	5.2	Ο
70	Enforced Electrocatalytic Oxidation of Low Concentration of Phenol On the Porous Ceramic Tube Based Electrode Supported With Platinum Nanoparticles. Current Nanoscience, 2013, 9, 792-797.	0.7	0