List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Construction of hierarchical Ni–Co–P hollow nanobricks with oriented nanosheets for efficient overall water splitting. Energy and Environmental Science, 2018, 11, 872-880.	15.6	773
2	Metal-Organic-Framework-Based Materials as Platforms for Renewable Energy and Environmental Applications. Joule, 2017, 1, 77-107.	11.7	673
3	Hollow Structures Based on Prussian Blue and Its Analogs for Electrochemical Energy Storage and Conversion. Advanced Materials, 2019, 31, e1706825.	11.1	445
4	Formation of Ni–Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. Advanced Materials, 2017, 29, 1703870.	11.1	428
5	Ultrathin amorphous cobalt–vanadium hydr(oxy)oxide catalysts for the oxygen evolution reaction. Energy and Environmental Science, 2018, 11, 1736-1741.	15.6	310
6	Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni–Co Double Hydroxides Nanocages. Advanced Energy Materials, 2015, 5, 1401880.	10.2	307
7	Pearson's Principle Inspired Generalized Strategy for the Fabrication of Metal Hydroxide and Oxide Nanocages. Journal of the American Chemical Society, 2013, 135, 16082-16091.	6.6	284
8	Rejuvenating dead lithium supply in lithium metal anodes by iodine redox. Nature Energy, 2021, 6, 378-387.	19.8	282
9	In Situ Construction of a LiFâ€Enriched Interface for Stable Allâ€Solidâ€State Batteries and its Origin Revealed by Cryoâ€TEM. Advanced Materials, 2020, 32, e2000223.	11.1	278
10	Atomic Sulfur Covalently Engineered Interlayers of Ti <sub>3</sub> C <sub>2</sub> MXene for Ultraâ€Fast Sodiumâ€Ion Storage by Enhanced Pseudocapacitance. Advanced Functional Materials, 2019, 29, 1808107.	7.8	213
11	Construction of Hierarchical Co–Fe Oxyphosphide Microtubes for Electrocatalytic Overall Water Splitting. Advanced Science, 2019, 6, 1900576.	5.6	208
12	12 years roadmap of the sulfur cathode for lithium sulfur batteries (2009–2020). Energy Storage Materials, 2020, 30, 346-366.	9.5	189
13	A review of biomass materials for advanced lithium–sulfur batteries. Chemical Science, 2019, 10, 7484-7495.	3.7	180
14	Oriented assembly of anisotropic nanoparticles into frame-like superstructures. Science Advances, 2017, 3, e1700732.	4.7	158
15	Biomacromolecules enabled dendrite-free lithium metal battery and its origin revealed by cryo-electron microscopy. Nature Communications, 2020, 11, 488.	5.8	158
16	An ultrastable lithium metal anode enabled by designed metal fluoride spansules. Science Advances, 2020, 6, eaaz3112.	4.7	157
17	Biomass-based materials for green lithium secondary batteries. Energy and Environmental Science, 2021, 14, 1326-1379.	15.6	157
18	Amorphous Ni(OH) <sub>2</sub> Nanoboxes: Fast Fabrication and Enhanced Sensing for Glucose. Small, 2013, 9, 3147-3152.	5.2	145

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19	Construction of Single-Crystalline Prussian Blue Analog Hollow Nanostructures with Tailorable Topologies. CheM, 2018, 4, 1967-1982.	5.8	145
20	CoO Hollow Cube/Reduced Graphene Oxide Composites with Enhanced Lithium Storage Capability. Chemistry of Materials, 2014, 26, 5958-5964.	3.2	135
21	Formation of NiCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> Yolk–Double Shell Spheres with Enhanced Lithium Storage Properties. Angewandte Chemie - International Edition, 2018, 57, 2899-2903.	7.2	131
22	The Flexibility of an Amorphous Cobalt Hydroxide Nanomaterial Promotes the Electrocatalysis of Oxygen Evolution Reaction. Small, 2018, 14, e1703514.	5.2	121
23	Selective Synthesis of Peapodlike Ni/Ni <sub>3</sub> S <sub>2</sub> Nanochains and Nickel Sulfide Hollow Chains and Their Magnetic Properties. Advanced Functional Materials, 2010, 20, 3678-3683.	7.8	91
24	Double‧helled C@MoS <sub>2</sub> Structures Preloaded with Sulfur: An Additive Reservoir for Stable Lithium Metal Anodes. Angewandte Chemie - International Edition, 2020, 59, 15839-15843.	7.2	79
25	Interfacial and Ionic Modulation of Poly (Ethylene Oxide) Electrolyte Via Localized Iodization to Enable Dendriteâ€Free Lithium Metal Batteries. Advanced Functional Materials, 2022, 32, .	7.8	77
26	A review of concepts and contributions in lithium metal anode development. Materials Today, 2022, 53, 173-196.	8.3	74
27	A Decade of Progress on Solid tate Electrolytes for Secondary Batteries: Advances and Contributions. Advanced Functional Materials, 2021, 31, 2100891.	7.8	73
28	Construction of Ni(CN) <sub>2</sub> /NiSe <sub>2</sub> Heterostructures by Stepwise Topochemical Pathways for Efficient Electrocatalytic Oxygen Evolution. Advanced Materials, 2022, 34, e2104405.	11.1	73
29	Sulfur–nitrogen co-doped porous carbon nanosheets to control lithium growth for a stable lithium metal anode. Journal of Materials Chemistry A, 2019, 7, 18267-18274.	5.2	71
30	Lithium ion diffusion mechanism on the inorganic components of the solid–electrolyte interphase. Journal of Materials Chemistry A, 2021, 9, 10251-10259.	5.2	66
31	Ordered colloidal clusters constructed by nanocrystals with valence for efficient CO <sub>2</sub> photoreduction. Science Advances, 2019, 5, eaax5095.	4.7	62
32	Visualizing the Sensitive Lithium with Atomic Precision: Cryogenic Electron Microscopy for Batteries. Accounts of Chemical Research, 2021, 54, 2088-2099.	7.6	59
33	Marrying Ester Group with Lithium Salt: Celluloseâ€Acetateâ€Enabled LiFâ€Enriched Interface for Stable Lithium Metal Anodes. Advanced Functional Materials, 2021, 31, 2102228.	7.8	57
34	Empowering Metal Phosphides Anode with Catalytic Attribute toward Superior Cyclability for Lithiumâ€ion Storage. Advanced Functional Materials, 2019, 29, 1809051.	7.8	52
35	Tailoring the shape of amorphous nanomaterials: recent developments and applications. Science China Materials, 2015, 58, 44-59.	3.5	51
36	Silicious nanowires enabled dendrites suppression and flame retardancy for advanced lithium metal anodes. Nano Energy, 2021, 82, 105723.	8.2	50

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37	In-situ construction of a Mg-modified interface to guide uniform lithium deposition for stable all-solid-state batteries. Journal of Energy Chemistry, 2021, 55, 272-278.	7.1	49
38	A fast-ion conducting interface enabled by aluminum silicate fibers for stable Li metal batteries. Chemical Engineering Journal, 2021, 408, 128016.	6.6	48
39	Arrayed silk fibroin for high-performance Li metal batteries and atomic interface structure revealed by cryo-TEM. Journal of Materials Chemistry A, 2020, 8, 26045-26054.	5.2	47
40	Platinum nano-interlayer enhanced interface for stable all-solid-state batteries observed <i>via</i> cryo-transmission electron microscopy. Journal of Materials Chemistry A, 2020, 8, 13541-13547.	5.2	47
41	Strategies to improve the performance of phosphide anodes in sodium-ion batteries. Nano Energy, 2021, 90, 106475.	8.2	45
42	Synthesis of Diverse Green Carbon Nanomaterials through Fully Utilizing Biomass Carbon Source Assisted by KOH. ACS Applied Materials & Interfaces, 2019, 11, 24205-24211.	4.0	42
43	Soybean Protein Fiber Enabled Controllable Li Deposition and a LiF-Nanocrystal-Enriched Interface for Stable Li Metal Batteries. Nano Letters, 2022, 22, 1374-1381.	4.5	41
44	Armed lithium metal anodes with functional skeletons. Materials Today Nano, 2021, 13, 100103.	2.3	38
45	Recent development of Na metal anodes: Interphase engineering chemistries determine the electrochemical performance. Chemical Engineering Journal, 2021, 409, 127943.	6.6	38
46	Undervalued Roles of Binder in Modulating Solid Electrolyte Interphase Formation of Silicon-Based Anode Materials. ACS Applied Materials & Interfaces, 2021, 13, 45139-45148.	4.0	36
47	Cryoâ€Electron Microscopy for Unveiling the Sensitive Battery Materials. Small Science, 2021, 1, 2100055.	5.8	35
48	In-Situ Electrodeposition of Nanostructured Carbon Strengthened Interface for Stabilizing Lithium Metal Anode. ACS Nano, 2022, 16, 9883-9893.	7.3	34
49	Synthesis of Amorphous Niâ^'Zn Double Hydroxide Nanocages with Excellent Electrocatalytic Activity toward Oxygen Evolution Reaction. ChemNanoMat, 2015, 1, 324-330.	1.5	32
50	Nickel hydroxide nanocrystals-modified glassy carbon electrodes for sensitive l-histidine detection. Electrochimica Acta, 2014, 116, 258-262.	2.6	30
51	Formation of Ti–Fe mixed sulfide nanoboxes for enhanced electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 21891-21895.	5.2	27
52	Amorphous carbon-based materials as platform for advanced high-performance anodes in lithium secondary batteries. Nano Research, 2021, 14, 2053-2066.	5.8	26
53	Synthesis of NiSe <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> Nanotubes with Heteroepitaxy Configuration as a Highâ€Efficient Oxygen Evolution Electrocatalyst. Small Methods, 2022, 6, e2200377.	4.6	22
54	Structureâ€Dependent Electrocatalysis of Ni(OH) <sub>2</sub> Hourglassâ€like Nanostructures Towards <scp>L</scp> â€Histidine. Chemistry - A European Journal, 2013, 19, 501-508.	1.7	21

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55	Formation of NiCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> Yolk–Double Shell Spheres with Enhanced Lithium Storage Properties. Angewandte Chemie, 2018, 130, 2949-2953.	1.6	17
56	Coordination Polyhedra: A Probable Basic Growth Unit in Solution for the Crystal Growth of Inorganic Nonmetallic Nanomaterials?. Crystal Growth and Design, 2012, 12, 2653-2661.	1.4	14
57	Facile and Universal Superhydrophobic Modification to Fabricate Waterborne, Multifunctional Nacre-Mimetic Films with Excellent Stability. ACS Applied Materials & Interfaces, 2014, 6, 20597-20602.	4.0	13
58	Lithiated aromatic biopolymer as high-performance organic anodes for lithium-ion storage. Chemical Engineering Journal, 2021, 409, 127454.	6.6	13
59	Doubleâ€Shelled C@MoS 2 Structures Preloaded with Sulfur: An Additive Reservoir for Stable Lithium Metal Anodes. Angewandte Chemie, 2020, 132, 15973-15977.	1.6	11
60	Enhanced stability of silver nanowire transparent conductive films against ultraviolet light illumination. Nanotechnology, 2021, 32, 055603.	1.3	5
61	Electrochemistry: Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni-Co Double Hydroxides Nanocages (Adv. Energy Mater. 10/2015). Advanced Energy Materials, 2015, 5, .	10.2	4
62	Nanostructures: Amorphous Ni(OH) <sub>2</sub> Nanoboxes: Fast Fabrication and Enhanced Sensing for Glucose (Small 18/2013). Small, 2013, 9, 3184-3184.	5.2	2