

# Wei-Jie Li

## List of Publications by Year in descending order

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71  
papers

5,489  
citations

101384

36  
h-index

79541

73  
g-index

75  
all docs

75  
docs citations

75  
times ranked

6050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Architecting a 3D continuous C/CuVO <sub>3</sub> @Cu composite anode for lithium-ion storage. Surface Innovations, 2023, 11, 70-78.	1.4	5
2	Simply Coupling TiO <sub>2</sub> Nanospheres with Cu <sub>2</sub> O Particles to Boost the Photocatalytic Hydrogen Evolution through p-n Heterojunction-Induced Charge Transfer. Energy Technology, 2022, 10, 2100259.	1.8	4
3	Boron leaching: Creating vacancy-rich Ni for enhanced hydrogen evolution. Nano Research, 2022, 15, 1868-1873.	5.8	18
4	Recent advances in synthesis strategies and solar-to-hydrogen evolution of 1T phase MS <sub>2</sub> (M=As, Mo) co-catalysts. Journal of Materials Science and Technology, 2022, 101, 242-263.	5.6	14
5	A novel superimposed porous copper/carbon film derived from polymer matrix as catalyst support for metal-air battery. Journal of Porous Materials, 2022, 29, 249-255.	1.3	8
6	Confining Zero-Valent Platinum Single Atoms in 1D MoC <sub>x</sub> for p-n Universal Hydrogen Evolution Reaction. Advanced Functional Materials, 2022, 32, 2108464.	7.8	43
7	2D boron nanosheet architectonics: opening new territories by smart functionalization. Journal of Materials Chemistry A, 2022, 10, 2736-2750.	5.2	12
8	Recent progress on three-dimensional nanoarchitecture anode materials for lithium/sodium storage. Journal of Materials Science and Technology, 2022, 119, 167-181.	5.6	26
9	Architecting Braided Porous Carbon Fibers Based on High-Density Catalytic Crystal Planes to Achieve Highly Reversible Sodium-Ion Storage. Advanced Science, 2022, 9, e2104780.	5.6	13
10	Integrated p-n/Schottky junctions for efficient photocatalytic hydrogen evolution upon Cu@TiO <sub>2</sub> -Cu <sub>2</sub> O ternary hybrids with steering charge transfer. Journal of Colloid and Interface Science, 2022, 622, 924-937.	5.0	31
11	Co-embedding oxygen vacancy and copper particles into titanium-based oxides (TiO <sub>2</sub> , BaTiO <sub>3</sub> , and) Tj ETQq1 1 0.784314 rgBT /Overload of Colloid and Interface Science, 2022, 624, 348-361.	5.0	32
12	Organic Small Molecules with Electrochemical-Active Phenolic Enolate Groups for Ready-to-Charge Organic Sodium-Ion Batteries. Small Methods, 2022, 6, .	4.6	15
13	Synergistic Double Cross-Linked Dynamic Network of Epoxidized Natural Rubber/Glycinamide Modified Polyacrylic Acid for Silicon Anode in Lithium Ion Battery: High Peel Strength and Super Cycle Stability. ACS Applied Materials & Interfaces, 2022, 14, 33315-33327.	4.0	13
14	Effects of carbon on electrochemical performance of red phosphorus (P) and carbon composite as anode for sodium ion batteries. Journal of Materials Science and Technology, 2021, 68, 140-146.	5.6	20
15	Sodium transition metal oxides: the preferred cathode choice for future sodium-ion batteries?. Energy and Environmental Science, 2021, 14, 158-179.	15.6	224
16	Nanosized Si space-confined in 3D porous Cu as anode for high-performance lithium storage. Surface Innovations, 2021, 9, 207-213.	1.4	9
17	Engineered tungsten oxide-based photocatalysts for CO <sub>2</sub> reduction: categories and roles. Journal of Materials Chemistry A, 2021, 9, 22781-22809.	5.2	29
18	Tuning dual three-dimensional porous copper/graphite composite to achieve diversified utilization of copper current collector for lithium storage. Rare Metals, 2021, 40, 2802-2809.	3.6	18

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19	Facile Synthesis of Birnessite $\hat{\Gamma}$ - $\text{MnO}_2$ and Carbon Nanotube Composites as Effective Catalysts for $\text{Li-CO}_2$ Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 16585-16593.	4.0	29
20	A P3-Type $\text{K}_{1/2}\text{Mn}_{5/6}\text{Mg}_{1/12}\text{Ni}_{1/12}\text{O}_2$ Cathode Material for Potassium-Ion Batteries with High Structural Reversibility Secured by the $\text{Mg}^{\text{Ni}}$ Pinning Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28369-28377.	4.0	29
21	Recent Progress on Two-Dimensional Carbon Materials for Emerging Post-Lithium ( $\text{Na}^+$ , $\text{K}^+$ , $\text{Zn}^{2+}$ ) Hybrid Supercapacitors. <i>Polymers</i> , 2021, 13, 2137.	2.0	19
22	Strategies for boosting carbon electrocatalysts for the oxygen reduction reaction in non-aqueous metal-air battery systems. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6671-6693.	5.2	37
23	An ultrathin rechargeable solid-state zinc ion fiber battery for electronic textiles. <i>Science Advances</i> , 2021, 7, eabl3742.	4.7	145
24	Improving the Energy Density and Efficiency of the Linear Polymer PMMA with a Double-Bond Fluoropolymer at Elevated Temperatures. <i>ACS Omega</i> , 2021, 6, 35014-35022.	1.6	6
25	Stress Distortion Restraint to Boost the Sodium Ion Storage Performance of a Novel Binary Hexacyanoferrate. <i>Advanced Energy Materials</i> , 2020, 10, 1903006.	10.2	67
26	Electrodeposited binder-free Sb/NiSb anode of sodium-ion batteries with excellent cycle stability and rate capability and new insights into its reaction mechanism by operando XRD analysis. <i>Nano Energy</i> , 2020, 77, 105123.	8.2	51
27	Electron Delocalization and Dissolution Restraint in Vanadium Oxide Superlattices to Boost Electrochemical Performance of Aqueous Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001852.	10.2	125
28	High-yielding carbon nanofibers grown on NIPS-derived porous nickel as a flexible electrode for supercapacitors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2976-2981.	3.2	13
29	Principals and strategies for constructing a highly reversible zinc metal anode in aqueous batteries. <i>Nano Energy</i> , 2020, 74, 104880.	8.2	225
30	Engineered zinc oxide nanoaggregates for photocatalytic removal of ciprofloxacin with structure dependence. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	13
31	A 1D/2D $\text{WO}_3$ nanostructure coupled with a nanoparticulate CuO cocatalyst for enhancing solar-driven $\text{CO}_2$ photoreduction: the impact of the crystal facet. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2593-2603.	2.5	29
32	Reversible structural evolution of sodium-rich rhombohedral Prussian blue for sodium-ion batteries. <i>Nature Communications</i> , 2020, 11, 980.	5.8	283
33	Three-Dimensional Electronic Network Assisted by TiN Conductive Pillars and Chemical Adsorption to Boost the Electrochemical Performance of Red Phosphorus. <i>ACS Nano</i> , 2020, 14, 4609-4617.	7.3	31
34	Cuprous ion ( $\text{Cu}^+$ ) doping induced surface/interface engineering for enhancing the $\text{CO}_2$ photoreduction capability of $\text{W}_{18}\text{O}_{49}$ nanowires. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 306-317.	5.0	50
35	Beta-Cyclodextrin-triggered fabrication of broccoli-like ZnO nanoaggregates with enhanced photocatalytic capability. <i>Functional Materials Letters</i> , 2020, 13, 2051004.	0.7	1
36	Functional composite polymer electrolytes with imidazole modified $\text{SiO}_2$ nanoparticles for high-voltage cathode lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 320, 134567.	2.6	36

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37	Catalytic Activity Boosting of Nickel Sulfide toward Oxygen Evolution Reaction via Confined Overdoping Engineering. ACS Applied Energy Materials, 2019, 2, 5363-5372.	2.5	48
38	Recent Advances in Cu-Based Cocatalysts toward Solar-to-Hydrogen Evolution: Categories and Roles. Solar Rrl, 2019, 3, 1900256.	3.1	41
39	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium Storage Performance. Angewandte Chemie, 2019, 131, 4062-4066.	1.6	11
40	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium Storage Performance. Angewandte Chemie - International Edition, 2019, 58, 4022-4026.	7.2	56
41	Electrostatically assembled construction of ternary TiO <sub>2</sub> -Cu@C hybrid with enhanced solar-to-hydrogen evolution employing amorphous carbon dots as electronic mediator. Chemical Engineering Journal, 2019, 375, 121902.	6.6	38
42	Design strategies for developing non-precious metal based bi-functional catalysts for alkaline electrolyte based zinc-air batteries. Materials Horizons, 2019, 6, 1812-1827.	6.4	79
43	Promoting solar-to-hydrogen evolution on Schottky interface with mesoporous TiO <sub>2</sub> -Cu hybrid nanostructures. Journal of Colloid and Interface Science, 2019, 545, 116-127.	5.0	58
44	Chemical Properties, Structural Properties, and Energy Storage Applications of Prussian Blue Analogues. Small, 2019, 15, e1900470.	5.2	226
45	Free-Standing Three-Dimensional CuCo <sub>2</sub> S <sub>4</sub> Nanosheet Array with High Catalytic Activity as an Efficient Oxygen Electrode for Lithium-Oxygen Batteries. ACS Applied Materials & Interfaces, 2019, 11, 3834-3842.	4.0	75
46	Impact of Cu particles on adsorption and photocatalytic capability of mesoporous Cu@TiO <sub>2</sub> hybrid towards ciprofloxacin antibiotic removal. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 229-242.	2.7	32
47	Remarkable Enhancement in Sodium-Ion Kinetics of NaFe <sub>2</sub> (CN) <sub>6</sub> by Chemical Bonding with Graphene. Small Methods, 2018, 2, 1700346.	4.6	40
48	Structural design of anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 6183-6205.	5.2	127
49	First Observation of Low-Temperature Magnetic Transition in CuAgSe. Journal of Physical Chemistry C, 2018, 122, 19139-19145.	1.5	4
50	Achieving photocatalytic hydrogen production from alkaline solution upon a designed mesoporous TiO <sub>2</sub> -Ni hybrid employing commonly used paper as a sacrificial electron donor. Inorganic Chemistry Frontiers, 2018, 5, 2709-2717.	3.0	27
51	A facile way to fabricate double-shell pomegranate-like porous carbon microspheres for high-performance Li-ion batteries. Journal of Materials Chemistry A, 2017, 5, 12073-12079.	5.2	30
52	Commercial Prospects of Existing Cathode Materials for Sodium Ion Storage. Advanced Energy Materials, 2017, 7, 1700274.	10.2	118
53	Phosphorus and phosphide nanomaterials for sodium-ion batteries. Nano Research, 2017, 10, 4055-4081.	5.8	111
54	Graphite-Nanoplate-Coated Bi <sub>2</sub> S <sub>3</sub> Composite with High Volume Energy Density and Excellent Cycle Life for Room-Temperature Sodium-Sulfide Batteries. Chemistry - A European Journal, 2016, 22, 590-597.	1.7	48

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55	Urchin-like CoSe <sub>2</sub> as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 6728-6735.	7.8	471
56	Recent Developments of the Lithium Metal Anode for Rechargeable Non-Aqueous Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600811.	10.2	306
57	C <sub>10</sub> H <sub>4</sub> O <sub>2</sub> S <sub>2</sub> /graphene composite as a cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18409-18415.	5.2	35
58	MoS <sub>2</sub> with an intercalation reaction as a long-life anode material for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 532-535.	3.0	70
59	Significant enhancement of the cycling performance and rate capability of the P/C composite via chemical bonding (P-C). <i>Journal of Materials Chemistry A</i> , 2016, 4, 505-511.	5.2	106
60	Ambient synthesis of a multifunctional 1D/2D hierarchical Ag-Ag <sub>2</sub> S nanowire/nanosheet heterostructure with diverse applications. <i>CrystEngComm</i> , 2016, 18, 930-937.	1.3	38
61	A new, cheap, and productive FeP anode material for sodium-ion batteries. <i>Chemical Communications</i> , 2015, 51, 3682-3685.	2.2	154
62	One-pot synthesis of ultra-small magnetite nanoparticles on the surface of reduced graphene oxide nanosheets as anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4793-4798.	5.2	59
63	Oxidation behaviors of porous Haynes 214 alloy at high temperatures. <i>Materials Characterization</i> , 2015, 107, 283-292.	1.9	19
64	Cobalt phosphide as a new anode material for sodium storage. <i>Journal of Power Sources</i> , 2015, 294, 627-632.	4.0	158
65	Facile Method To Synthesize Na-Enriched Na <sub>1+x</sub> FeFe(CN) <sub>6</sub> Frameworks as Cathode with Superior Electrochemical Performance for Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 1997-2003.	3.2	163
66	Multifunctional conducting polymer coated Na <sub>1+x</sub> MnFe(CN) <sub>6</sub> cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. <i>Nano Energy</i> , 2015, 13, 200-207.	8.2	165
67	Ball-milled FeP/graphite as a low-cost anode material for the sodium-ion battery. <i>RSC Advances</i> , 2015, 5, 80536-80541.	1.7	52
68	Sn <sub>4+x</sub> P <sub>3</sub> @ Amorphous Sn-P Composites as Anodes for Sodium-Ion Batteries with Low Cost, High Capacity, Long Life, and Superior Rate Capability. <i>Advanced Materials</i> , 2014, 26, 4037-4042.	11.1	298
69	Controlled synthesis of copper telluride nanostructures for long-cycling anodes in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11683.	5.2	94
70	Oxidation behaviors of Ni-Cr-Al superalloy foams at 1 000 Å°C in air. <i>Journal of Central South University</i> , 2013, 20, 3345-3353.	1.2	7
71	Simply Mixed Commercial Red Phosphorus and Carbon Nanotube Composite with Exceptionally Reversible Sodium-Ion Storage. <i>Nano Letters</i> , 2013, 13, 5480-5484.	4.5	390