

# Lichun Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

3,092  
citations

27  
h-index

50  
g-index

50  
ext. papers

3,693  
ext. citations

11.2  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
48	Modulating superlattice structure and cyclic stability of Ce <sub>2</sub> Ni <sub>7</sub> -type LaY <sub>2</sub> Ni <sub>10.5</sub> -based alloys by Mn, Al, and Zr substitutions. <i>Journal of Power Sources</i> , <b>2022</b> , 524, 231067	8.9	0
47	N-Doped Carbon Coated SnS/rGO Composite with Superior Cyclic Stability as Anode for Lithium-Ion Batteries. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 4339-4347	3.9	0
46	Construction of SnS-Mo-graphene nanosheets composite for highly reversible and stable lithium/sodium storage. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 121, 190-198	9.1	1
45	Nickel sulfide-oxide heterostructured electrocatalysts: Bi-functionality for overall water splitting and in-situ reconstruction.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 622, 728-737	9.3	3
44	Phase Engineering of CoMoO <sub>4</sub> Anode Materials toward Improved Cycle Life for Li <sup>+</sup> Storage□ <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1121-1128	4.9	2
43	Microsized SnS/Few-Layer Graphene Composite with Interconnected Nanosized Building Blocks for Superior Volumetric Lithium and Sodium Storage. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 229-238	13	8
42	Synthesis of amorphous SeP <sub>2</sub> /C composite by plasma assisted ball milling for high-performance anode materials of lithium and sodium-ion batteries. <i>Progress in Natural Science: Materials International</i> , <b>2021</b> , 31, 567-574	3.6	1
41	Fluorine-substituted O <sub>3</sub> -type NaNi <sub>0.4</sub> Mn <sub>0.25</sub> Ti <sub>0.3</sub> Co <sub>0.05</sub> O <sub>2</sub> cathode with improved rate capability and cyclic stability for sodium-ion storage at high voltage. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 60, 341-350	12	6
40	Flowerlike Ti-Doped MoO Conductive Anode Fabricated by a Novel NiTi Dealloying Method: Greatly Enhanced Reversibility of the Conversion and Intercalation Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8240-8248	9.5	4
39	N-doped carbon encapsulated CoMoO nanorods as long-cycle life anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 576, 176-185	9.3	29
38	Engineering layer structure of MoS <sub>2</sub> /polyaniline/graphene nanocomposites to achieve fast and reversible lithium storage for high energy density aqueous lithium-ion capacitors. <i>Journal of Power Sources</i> , <b>2020</b> , 450, 227680	8.9	20
37	Molybdenum Carbide-Oxide Heterostructures: In Situ Surface Reconfiguration toward Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3544-3548	16.4	92
36	Dual-Carbon-Confined SnS Nanostructure with High Capacity and Long Cycle Life for Lithium-ion Batteries. <i>Energy and Environmental Materials</i> , <b>2020</b> ,	13	8
35	Co-Substitution Enhances the Rate Capability and Stabilizes the Cyclic Performance of O <sub>3</sub> -Type Cathode NaNiMnTiCo O for Sodium-Ion Storage at High Voltage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 7906-7913	9.5	33
34	Nano-spatially confined and interface-controlled lithiation/delithiation in an in situ formed (SnS <sub>n</sub> S <sub>2</sub> B)/FLG composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15320-15332	13	24
33	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902228	24	149
32	Popcorn derived carbon enhances the cyclic stability of MoS <sub>2</sub> as an anode material for sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 309, 25-33	6.7	29

31	Noble-Metal-Free Electrocatalysts: Structural Design and Electronic Modulation of Transition-Metal-Carbide Electrocatalysts toward Efficient Hydrogen Evolution (Adv. Mater. 2/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970009	24	8
30	Pomegranate-like MoC@C composites as stable anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 786, 284-291	5.7	6
29	Lithium Sulfur Batteries: Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium Sulfur Batteries (Adv. Mater. 33/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970236	24	8
28	Citraconic anhydride as an electrolyte additive to improve the high temperature performance of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> /graphite pouch batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 805, 757-766	5.7	21
27	A novel selenium-phosphorous amorphous composite by plasma assisted ball milling for high-performance rechargeable potassium-ion battery anode. <i>Journal of Power Sources</i> , <b>2019</b> , 443, 227278	8.9	29
26	Structural Design and Electronic Modulation of Transition-Metal-Carbide Electrocatalysts toward Efficient Hydrogen Evolution. <i>Advanced Materials</i> , <b>2019</b> , 31, e1802880	24	267
25	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707573	15.6	239
24	Oxygen-Incorporated and Polyaniline-Intercalated 1T/2H Hybrid MoS <sub>2</sub> Nanosheets Arrayed on Reduced Graphene Oxide for High-Performance Supercapacitors. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 8128-8136	3.8	23
23	Sandwiched MoS <sub>2</sub> /polyaniline nanosheets array vertically aligned on reduced graphene oxide for high performance supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 270, 387-394	6.7	48
22	A scalable ternary SnO <sub>2</sub> @Ti composite as a high initial coulombic efficiency, large capacity and long lifetime anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7206-7220	13	56
21	MoC/C nanowires as high-rate and long cyclic life anode for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 277, 205-210	6.7	22
20	Enhanced cyclic stability of SnS microplates with conformal carbon coating derived from ethanol vapor deposition for sodium-ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 436, 912-918	6.7	18
19	Lithium Difluorophosphate As a Promising Electrolyte Lithium Additive for High-Voltage Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2647-2656	6.1	42
18	3,3'-(Ethylendioxy)dipropiononitrile as an Electrolyte Additive for 4.5 V LiNiCoMnO/Graphite Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9630-9639	9.5	36
17	MoS <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> Heteronanorods as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2357-2366	13.1	705
16	Hierarchical nanoflowers assembled from MoS <sub>2</sub> /polyaniline sandwiched nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 243, 98-104	6.7	44
15	A highly stable (SnO <sub>x</sub> -Sn) <sub>n</sub> @few layered graphene composite anode of sodium-ion batteries synthesized by oxygen plasma assisted milling. <i>Journal of Power Sources</i> , <b>2017</b> , 350, 1-8	8.9	65
14	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2516-2525	9.5	95

13	Metallic Cobalt@Nitrogen-Doped Carbon Nanocomposites: Carbon-Shell Regulation toward Efficient Bi-Functional Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37721-37730	9.5	48
12	Inhibiting grain coarsening and inducing oxygen vacancies: the roles of Mn in achieving a highly reversible conversion reaction and a long life SnO <sub>2</sub> /Mn/graphite ternary anode. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2017-2029	35.4	120
11	Hierarchical MoO <sub>2</sub> /Mo <sub>2</sub> C/C Hybrid Nanowires as High-Rate and Long-Life Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19987-93	9.5	78
10	Two-Band Calculations on the Upper Critical Field of Sc <sub>2</sub> Fe <sub>3</sub> Si <sub>5</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 2519-2522	1.5	
9	Mesoporous Mo <sub>2</sub> C/N-doped carbon heteronanowires as high-rate and long-life anode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10842-10849	13	119
8	Uniform Hierarchical Fe <sub>3</sub> O <sub>4</sub> @Polypyrrole Nanocages for Superior Lithium Ion Battery Anodes. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600256	21.8	152
7	Sandwich-like SnS/Polypyrrole Ultrathin Nanosheets as High-Performance Anode Materials for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8502-10	9.5	115
6	A long-life nano-silicon anode for lithium ion batteries: supporting of graphene nanosheets exfoliated from expanded graphite by plasma-assisted milling. <i>Electrochimica Acta</i> , <b>2016</b> , 187, 1-10	6.7	68
5	A spherical Sn@Fe <sub>3</sub> O <sub>4</sub> @graphite composite as a long-life and high-rate-capability anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10321-10328	13	52
4	Microwave-Assisted Reactant-Protecting Strategy toward Efficient MoS <sub>2</sub> Electrocatalysts in Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23741-9	9.5	88
3	Conjugated-Polymer/Inorganic Nanocomposites as Electrode Materials for Li-Ion Batteries <b>2015</b> , 379-418		
2	Deformable fibrous carbon supported ultrafine nano-SnO <sub>2</sub> as a high volumetric capacity and cyclic durable anode for Li storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15097-15107	13	44
1	Facile synthesis of Ge@FLG composites by plasma assisted ball milling for lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11280-11285	13	64