

Lichun Yang

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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	MoS ₂ /Ni ₃ S ₂ Heteronanorods as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Catalysis</i> , 2017 , 7, 2357-2366	13.1	705
47	Structural Design and Electronic Modulation of Transition-Metal-Carbide Electrocatalysts toward Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2019 , 31, e1802880	24	267
46	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> , 2018 , 28, 1707573	15.6	239
45	Uniform Hierarchical Fe ₃ O ₄ @Polypyrrole Nanocages for Superior Lithium Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2016 , 6, 1600256	21.8	152
44	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2019 , 31, e1902228	24	149
43	Inhibiting grain coarsening and inducing oxygen vacancies: the roles of Mn in achieving a highly reversible conversion reaction and a long life SnO ₂ /Mn/graphite ternary anode. <i>Energy and Environmental Science</i> , 2017 , 10, 2017-2029	35.4	120
42	Mesoporous Mo ₂ C/N-doped carbon heteronanowires as high-rate and long-life anode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10842-10849	13	119
41	Sandwich-like SnS/Polypyrrole Ultrathin Nanosheets as High-Performance Anode Materials for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8502-10	9.5	115
40	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2516-2525	9.5	95
39	Molybdenum Carbide-Oxide Heterostructures: In Situ Surface Reconfiguration toward Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3544-3548	16.4	92
38	Microwave-Assisted Reactant-Protecting Strategy toward Efficient MoS ₂ Electrocatalysts in Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23741-9	9.5	88
37	Hierarchical MoO ₂ /Mo ₂ C/C Hybrid Nanowires as High-Rate and Long-Life Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19987-93	9.5	78
36	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> , 2016 , 187, 1-10	6.7	68
35	A highly stable (SnO _x -Sn) _n @few layered graphene composite anode of sodium-ion batteries synthesized by oxygen plasma assisted milling. <i>Journal of Power Sources</i> , 2017 , 350, 1-8	8.9	65
34	Facile synthesis of Ge@FLG composites by plasma assisted ball milling for lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11280-11285	13	64
33	A scalable ternary SnO ₂ /Co composite as a high initial coulombic efficiency, large capacity and long lifetime anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7206-7220	13	56
32	A spherical Sn/Fe ₃ O ₄ @graphite composite as a long-life and high-rate-capability anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10321-10328	13	52

31	Metallic Cobalt@Nitrogen-Doped Carbon Nanocomposites: Carbon-Shell Regulation toward Efficient Bi-Functional Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37721-37730	9.5	48
30	Sandwiched MoS ₂ /polyaniline nanosheets array vertically aligned on reduced graphene oxide for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018 , 270, 387-394	6.7	48
29	Hierarchical nanoflowers assembled from MoS ₂ /polyaniline sandwiched nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017 , 243, 98-104	6.7	44
28	Deformable fibrous carbon supported ultrafine nano-SnO ₂ as a high volumetric capacity and cyclic durable anode for Li storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15097-15107	13	44
27	Lithium Difluorophosphate As a Promising Electrolyte Lithium Additive for High-Voltage Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2647-2656	6.1	42
26	3,3'-(Ethylendioxy)dipropionitrile as an Electrolyte Additive for 4.5 V LiNiCoMnO/Graphite Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9630-9639	9.5	36
25	Co-Substitution Enhances the Rate Capability and Stabilizes the Cyclic Performance of O3-Type Cathode NaNiMnTiCo O for Sodium-Ion Storage at High Voltage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7906-7913	9.5	33
24	Popcorn derived carbon enhances the cyclic stability of MoS ₂ as an anode material for sodium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 309, 25-33	6.7	29
23	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> , 2019 , 443, 22727-22738	8.9	29
22	N-doped carbon encapsulated CoMoO nanorods as long-cycle life anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 176-185	9.3	29
21	Nano-spatially confined and interface-controlled lithiation/delithiation in an in situ formed (SnS ₂ /SnS ₂)/FLG composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15320-15332	13	24
20	Oxygen-Incorporated and Polyaniline-Intercalated 1T/2H Hybrid MoS ₂ Nanosheets Arrayed on Reduced Graphene Oxide for High-Performance Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8128-8136	3.8	23
19	MoC/C nanowires as high-rate and long cyclic life anode for lithium ion batteries. <i>Electrochimica Acta</i> , 2018 , 277, 205-210	6.7	22
18	Citraconic anhydride as an electrolyte additive to improve the high temperature performance of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ /graphite pouch batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 757-766	5.7	21
17	Engineering layer structure of MoS ₂ /polyaniline/graphene nanocomposites to achieve fast and reversible lithium storage for high energy density aqueous lithium-ion capacitors. <i>Journal of Power Sources</i> , 2020 , 450, 227680	8.9	20
16	Enhanced cyclic stability of SnS microplates with conformal carbon coating derived from ethanol vapor deposition for sodium-ion batteries. <i>Applied Surface Science</i> , 2018 , 436, 912-918	6.7	18
15	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> , 2019 , 31, 1970009	24	8
14	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> , 2019 , 31, 1970236	24	8

13	Dual-Carbon-Confined SnS Nanostructure with High Capacity and Long Cycle Life for Lithium-ion Batteries. <i>Energy and Environmental Materials</i> , 2020 ,	13	8
12	Microsized SnS/Few-Layer Graphene Composite with Interconnected Nanosized Building Blocks for Superior Volumetric Lithium and Sodium Storage. <i>Energy and Environmental Materials</i> , 2021 , 4, 229-238	13	8
11	Pomegranate-like MoC@C composites as stable anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 786, 284-291	5.7	6
10	Fluorine-substituted O3-type NaNi _{0.4} Mn _{0.25} Ti _{0.3} Co _{0.05} O ₂ cathode with improved rate capability and cyclic stability for sodium-ion storage at high voltage. <i>Journal of Energy Chemistry</i> , 2021 , 60, 341-350	12	6
9	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 & Interfaces</i> , 2020 , 12, 8240-8248	9.5	4
8	Nickel sulfide-oxide heterostructured electrocatalysts: Bi-functionality for overall water splitting and in-situ reconstruction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 728-737	9.3	3
7	Phase Engineering of CoMoO ₄ Anode Materials toward Improved Cycle Life for Li ⁺ Storage. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 1121-1128	4.9	2
6	Synthesis of amorphous SeP ₂ /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> , 2021 , 31, 567-574	3.6	1
5	Construction of SnS-Mo-graphene nanosheets composite for highly reversible and stable lithium/sodium storage. <i>Journal of Materials Science and Technology</i> , 2022 , 121, 190-198	9.1	1
4	Modulating superlattice structure and cyclic stability of Ce ₂ Ni ₇ -type LaY ₂ Ni _{10.5} -based alloys by Mn, Al, and Zr substitutions. <i>Journal of Power Sources</i> , 2022 , 524, 231067	8.9	0
3	N-Doped Carbon Coated SnS/rGO Composite with Superior Cyclic Stability as Anode for Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 4339-4347	3.9	0
2	Two-Band Calculations on the Upper Critical Field of Sc ₂ Fe ₃ Si ₅ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 2519-2522	1.5	
1	Conjugated-Polymer/Inorganic Nanocomposites as Electrode Materials for Li-Ion Batteries 2015 , 379-418		