

Lichun Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9147827/publications.pdf>

Version: 2024-02-01

48
papers

4,246
citations

172207

29
h-index

197535

49
g-index

50
all docs

50
docs citations

50
times ranked

6277
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS ₂ @Ni ₃ S ₂ Heteronanorods as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. ACS Catalysis, 2017, 7, 2357-2366.	5.5	963
2	Structural Design and Electronic Modulation of Transition-Metal Carbide Electrocatalysts toward Efficient Hydrogen Evolution. Advanced Materials, 2019, 31, e1802880.	11.1	422
3	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na-Ion Batteries. Advanced Functional Materials, 2018, 28, 1707573.	7.8	325
4	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. Advanced Materials, 2019, 31, e1902228.	11.1	216
5	Uniform Hierarchical Fe ₃ O ₄ @Polypyrrole Nanocages for Superior Lithium Ion Battery Anodes. Advanced Energy Materials, 2016, 6, 1600256.	10.2	184
6	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. Energy and Environmental Science, 2017, 10, 2017-2029.	15.6	152
7	Molybdenum Carbide-Oxide Heterostructures: In Situ Surface Reconfiguration toward Efficient Electrocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2020, 59, 3544-3548.	7.2	145
8	Mesoporous Mo ₂ C/N-doped carbon heteronanowires as high-rate and long-life anode materials for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10842-10849.	5.2	143
9	Sandwich-like SnS/Polypyrrole Ultrathin Nanosheets as High-Performance Anode Materials for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 8502-8510.	4.0	133
10	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2017, 9, 2516-2525.	4.0	116
11	Microwave-Assisted Reactant-Protecting Strategy toward Efficient MoS ₂ Electrocatalysts in Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2015, 7, 23741-23749.	4.0	107
12	Hierarchical MoO ₂ /Mo ₂ C/C Hybrid Nanowires as High-Rate and Long-Life Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 19987-19993.	4.0	92
13	A long-life nano-silicon anode for lithium ion batteries: supporting of graphene nanosheets exfoliated from expanded graphite by plasma-assisted milling. Electrochimica Acta, 2016, 187, 1-10.	2.6	89
14	Facile synthesis of Ge@FLG composites by plasma assisted ball milling for lithium ion battery anodes. Journal of Materials Chemistry A, 2014, 2, 11280-11285.	5.2	74
15	A highly stable (SnO x -Sn)@few layered graphene composite anode of sodium-ion batteries synthesized by oxygen plasma assisted milling. Journal of Power Sources, 2017, 350, 1-8.	4.0	74
16	A scalable ternary SnO ₂ @Co-C composite as a high initial coulombic efficiency, large capacity and long lifetime anode for lithium ion batteries. Journal of Materials Chemistry A, 2018, 6, 7206-7220.	5.2	74
17	Sandwiched MoS ₂ /polyaniline nanosheets array vertically aligned on reduced graphene oxide for high performance supercapacitors. Electrochimica Acta, 2018, 270, 387-394.	2.6	64
18	A spherical Sn@Fe ₃ O ₄ @graphite composite as a long-life and high-rate-capability anode for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 10321-10328.	5.2	63

#	ARTICLE	IF	CITATIONS
19	Lithium Difluorophosphate As a Promising Electrolyte Lithium Additive for High-Voltage Lithium-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 2647-2656.	2.5	60
20	Metallic Cobalt@Nitrogen-Doped Carbon Nanocomposites: Carbon-Shell Regulation toward Efficient Bi-Functional Electrocatalysis. ACS Applied Materials & Interfaces, 2017, 9, 37721-37730.	4.0	59
21	Hierarchical nanoflowers assembled from MoS ₂ /polyaniline sandwiched nanosheets for high-performance supercapacitors. Electrochimica Acta, 2017, 243, 98-104.	2.6	56
22	Co-Substitution Enhances the Rate Capability and Stabilizes the Cyclic Performance of O ₃ -Type Cathode NaNi _{0.45} Mn _{0.25} Ti _{0.3} Co _x O ₂ for Sodium-Ion Storage at High Voltage. ACS Applied Materials & Interfaces, 2019, 11, 7906-7913.	4.0	53
23	N-doped carbon encapsulated CoMoO ₄ nanorods as long-cycle life anode for sodium-ion batteries. Journal of Colloid and Interface Science, 2020, 576, 176-185.	5.0	50
24	Deformable fibrous carbon supported ultrafine nano-SnO ₂ as a high volumetric capacity and cyclic durable anode for Li storage. Journal of Materials Chemistry A, 2015, 3, 15097-15107.	5.2	46
25	3,3'-Ethylenedioxydipropionitrile as an Electrolyte Additive for 4.5 V LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ /Graphite Cells. ACS Applied Materials & Interfaces, 2017, 9, 9630-9639.	4.0	43
26	A novel selenium-phosphorous amorphous composite by plasma assisted ball milling for high-performance rechargeable potassium-ion battery anode. Journal of Power Sources, 2019, 443, 227276.	4.0	36
27	Popcorn derived carbon enhances the cyclic stability of MoS ₂ as an anode material for sodium-ion batteries. Electrochimica Acta, 2019, 309, 25-33.	2.6	35
28	Engineering layer structure of MoS ₂ /polyaniline/graphene nanocomposites to achieve fast and reversible lithium storage for high energy density aqueous lithium-ion capacitors. Journal of Power Sources, 2020, 450, 227680.	4.0	33
29	Oxygen-Incorporated and Polyaniline-Intercalated 1T/2H Hybrid MoS ₂ Nanosheets Arrayed on Reduced Graphene Oxide for High-Performance Supercapacitors. Journal of Physical Chemistry C, 2018, 122, 8128-8136.	1.5	32
30	Nano-spatially confined and interface-controlled lithiation/delithiation in an in situ formed (SnS ₂ /FLG) composite: a route to an ultrafast and cycle-stable anode for lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 15320-15332.	5.2	32
31	MoC/C nanowires as high-rate and long cyclic life anode for lithium ion batteries. Electrochimica Acta, 2018, 277, 205-210.	2.6	30
32	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. Journal of Alloys and Compounds, 2019, 805, 757-766.	2.8	29
33	Fluorine-substituted O ₃ -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. Journal of Energy Chemistry, 2021, 60, 341-350.	7.1	26
34	Dual-Carbon-Confined SnS Nanostructure with High Capacity and Long Cycle Life for Lithium-Ion Batteries. Energy and Environmental Materials, 2021, 4, 562-568.	7.3	24
35	Microsized SnS/Few-Layer Graphene Composite with Interconnected Nanosized Building Blocks for Superior Volumetric Lithium and Sodium Storage. Energy and Environmental Materials, 2021, 4, 229-238.	7.3	21
36	Nickel sulfide-oxide heterostructured electrocatalysts: Bi-functionality for overall water splitting and in-situ reconstruction. Journal of Colloid and Interface Science, 2022, 622, 728-737.	5.0	21

#	ARTICLE	IF	CITATIONS
37	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.	3.1	19
38	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.	4.0	16
39	Noble-Metal-Free Electrocatalysts: Structural Design and Electronic Modulation of Transition-Metal Carbide Electrocatalysts toward Efficient Hydrogen Evolution (<i>Adv. Mater.</i> 2/2019). <i>Advanced Materials</i> , 2019, 31, 1970009.	11.1	15
40	Pomegranate-like MoC@C composites as stable anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 786, 284-291.	2.8	14
41	Flowerlike Ti-Doped MoO ₃ 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.	4.0	13
42	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.	1.8	13
43	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.	5.6	11
44	Lithium-Sulfur Batteries: Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries (<i>Adv. Mater.</i> 33/2019). <i>Advanced Materials</i> , 2019, 31, 1970236.	11.1	8
45	Phase Engineering of CoMoO ₄ Anode Materials toward Improved Cycle Life for Li + Storage. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1121-1128.	2.6	6
46	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.	1.8	4
47	Na-Ion Batteries: 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>Adv. Funct. Mater.</i>)	11.1	4
48	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.	0.8	1