

Nian-Wu Li

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2241048/nian-wu-li-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

70
papers

6,701
citations

30
h-index

77
g-index

77
ext. papers

7,998
ext. citations

9
avg, IF

6.29
L-index

#	Paper	IF	Citations
70	Design and Synthesis of Hollow Nanostructures for Electrochemical Water Splitting.. <i>Advanced Science</i> , 2022 , e2105135	13.6	15
69	Self-Supported Transition Metal-Based Nanoarrays for Efficient Energy Storage.. <i>Chemical Record</i> , 2022 , e202100294	6.6	1
68	Interlayer-Expanded Titanate Hierarchical Hollow Spheres Embedded in Carbon Nanofibers for Enhanced Na Storage.. <i>Small</i> , 2022 , e2107890	11	0
67	Confining Sn nanoparticles in interconnected N-doped hollow carbon spheres as hierarchical zincophilic fibers for dendrite-free Zn metal anodes.. <i>Science Advances</i> , 2022 , 8, eabm5766	14.3	12
66	Cations and anions regulation through hybrid ionic liquid electrolytes towards stable lithium metal anode. <i>Chemical Engineering Journal</i> , 2022 , 439, 135780	14.7	2
65	Polymer Zwitterion-Based Artificial Interphase Layers for Stable Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57489-57496	9.5	8
64	2021 Roadmap: electrocatalysts for green catalytic processes. <i>JPhys Materials</i> , 2021 , 4, 022004	4.2	24
63	Lotus-Root-Like Carbon Fibers Embedded with Ni-Co Nanoparticles for Dendrite-Free Lithium Metal Anodes. <i>Advanced Materials</i> , 2021 , 33, e2100608	24	38
62	Formation of hierarchical Co-decorated Mo ₂ C hollow spheres for enhanced hydrogen evolution. <i>Rare Metals</i> , 2021 , 40, 2785-2792	5.5	13
61	A flexible three-dimensional composite nanofiber enhanced quasi-solid electrolyte for high-performance lithium metal batteries. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 361-367	6.8	20
60	Functional polymers in electrolyte optimization and interphase design for lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13388-13401	13	18
59	Formation of Super-Assembled TiO ₂ /Zn/N-Doped Carbon Inverse Opal Towards Dendrite-Free Zn Anodes.. <i>Angewandte Chemie - International Edition</i> , 2021 , e202115649	16.4	13
58	High-Performance Sodium Metal Batteries with SodiumBismuth Alloy Anode. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12607-12612	6.1	4
57	Artificial Interphase Layers for Lithium Metal Anode. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2020 , 2009011-0	3.8	4
56	Vertically aligned NiS ₂ /CoS ₂ /MoS ₂ nanosheet array as an efficient and low-cost electrocatalyst for hydrogen evolution reaction in alkaline media. <i>Science Bulletin</i> , 2020 , 65, 359-366	10.6	23
55	Recent progress of NiBe layered double hydroxide and beyond towards electrochemical water splitting. <i>Nanoscale Advances</i> , 2020 , 2, 5555-5566	5.1	18
54	Studies of FeSe ₂ Cathode Materials for Mg Li Hybrid Batteries. <i>Energies</i> , 2020 , 13, 4375	3.1	5

53	Advanced pillared designs for two-dimensional materials in electrochemical energy storage. <i>Nanoscale Advances</i> , 2020 , 2, 5496-5503	5.1	7
52	Formation of Co/Mn mixed oxide double-shelled hollow spheres as advanced electrodes for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25247-25253	13	45
51	Motion recognition by a liquid filled tubular triboelectric nanogenerator. <i>Nanoscale</i> , 2019 , 11, 495-503	7.7	10
50	Oxygen Deficient LaMnCoO Nanofibers as an Efficient Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Batteries. <i>Inorganic Chemistry</i> , 2019 , 58, 8208-8214	5.1	52
49	Na ₂ Ti ₃ O ₇ Nanotubes as Anode Materials for Sodium-ion Batteries and Self-powered Systems. <i>ChemElectroChem</i> , 2019 , 6, 3085-3090	4.3	13
48	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1094-1099	16.4	202
47	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 1106-1111	3.6	38
46	Efficient Charging of Lithium-Sulfur Batteries by Triboelectric Nanogenerator Based on Pulse Current. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800326	6.8	6
45	Triboelectric Nanogenerator-Enabled Dendrite-Free Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 802-810	9.5	6
44	Hybridized Nanogenerators for Harvesting Vibrational Energy by Triboelectric/Piezoelectric/Electromagnetic Effects. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800019	6.8	25
43	Lithium-Ion Batteries: Charged by Triboelectric Nanogenerators with Pulsed Output Based on the Enhanced Cycling Stability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8676-8684	9.5	14
42	Triboelectric-Based Transparent Secret Code. <i>Advanced Science</i> , 2018 , 5, 1700881	13.6	22
41	A Self-Powered Lantern Based on a Triboelectric/Photovoltaic Hybrid Nanogenerator. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700371	6.8	16
40	Self-powered nanofiber-based screen-print triboelectric sensors for respiratory monitoring. <i>Nano Research</i> , 2018 , 11, 3771-3779	10	72
39	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2018 , 130, 1521-1525	3.6	58
38	High efficient detoxification of mustard gas surrogate based on nanofibrous fabric. <i>Journal of Hazardous Materials</i> , 2018 , 347, 25-30	12.8	11
37	Innentitelbild: A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes (Angew. Chem. 6/2018). <i>Angewandte Chemie</i> , 2018 , 130, 1436-1436	3.6	2
36	A Dual-Salt Gel Polymer Electrolyte with 3D Cross-Linked Polymer Network for Dendrite-Free Lithium Metal Batteries. <i>Advanced Science</i> , 2018 , 5, 1800559	13.6	115

35	Improved Triboelectric Nanogenerator Output Performance through Polymer Nanocomposites Filled with Core-shell-Structured Particles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25683-25688	8.5	30
34	Ultra-robust triboelectric nanogenerator for harvesting rotary mechanical energy. <i>Nano Research</i> , 2018 , 11, 2862-2871	10	32
33	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1505-1509	16.4	438
32	A Breathable and Screen-Printed Pressure Sensor Based on Nanofiber Membranes for Electronic Skins. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700241	6.8	105
31	Graphene@hierarchical meso-/microporous carbon for ultrahigh energy density lithium-ion capacitors. <i>Electrochimica Acta</i> , 2018 , 281, 459-465	6.7	33
30	Advanced Micro/Nanostructures for Lithium Metal Anodes. <i>Advanced Science</i> , 2017 , 4, 1600445	13.6	338
29	Conductive graphite fiber as a stable host for zinc metal anodes. <i>Electrochimica Acta</i> , 2017 , 244, 172-177	6.7	125
28	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. <i>Small Methods</i> , 2017 , 1, 1700094	12.8	42
27	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. <i>Joule</i> , 2017 , 1, 563-575	27.8	243
26	Self-Powered Electrospinning System Driven by a Triboelectric Nanogenerator. <i>ACS Nano</i> , 2017 , 11, 10438-10445	13.7	156
25	Stable Li Metal Anodes via Regulating Lithium Plating/Stripping in Vertically Aligned Microchannels. <i>Advanced Materials</i> , 2017 , 29, 1703729	24	288
24	Graphitized Carbon Fibers as Multifunctional 3D Current Collectors for High Areal Capacity Li Anodes. <i>Advanced Materials</i> , 2017 , 29, 1700389	24	403
23	Passivation of Lithium Metal Anode via Hybrid Ionic Liquid Electrolyte toward Stable Li Plating/Stripping. <i>Advanced Science</i> , 2017 , 4, 1600400	13.6	176
22	An Artificial Solid Electrolyte Interphase Layer for Stable Lithium Metal Anodes. <i>Advanced Materials</i> , 2016 , 28, 1853-8	24	1021
21	Three-dimensional sandwich-type graphene@microporous carbon architecture for lithium-sulfur batteries. <i>RSC Advances</i> , 2016 , 6, 617-622	3.7	38
20	Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15825-15828	16.4	329
19	Accommodating lithium into 3D current collectors with a submicron skeleton towards long-life lithium metal anodes. <i>Nature Communications</i> , 2015 , 6, 8058	17.4	1030
18	Improving lithium-sulfur battery performance via a carbon-coating layer derived from the hydrothermal carbonization of glucose. <i>RSC Advances</i> , 2015 , 5, 50983-50988	3.7	15

17	Microwave-assisted synthesis of graphene/BiO ₂ nanocomposite for rechargeable lithium-ion batteries. <i>Materials Letters</i> , 2014 , 115, 125-128	3-3	14
16	Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15889-15896	13	161
15	Morphology-controlled synthesis of nanostructured zinc hydroxide fluoride via a microwave-assisted ionic liquid route. <i>Solid State Sciences</i> , 2014 , 38, 97-102	3-4	2
14	Rapid adsorption properties of flower-like BiOI nanoplates synthesized via a simple EG-assisted solvothermal process. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2-3	24
13	Formation of Pt nanoparticles in mesoporous silica channels via direct low-temperature decomposition of H ₂ PtCl ₆ ·6H ₂ O. <i>Materials Letters</i> , 2013 , 106, 193-196	3-3	8
12	Macro/microporous carbon for supercapacitors derived from rape seed shell. <i>Materials Letters</i> , 2013 , 105, 43-46	3-3	11
11	Fabrication of Hierarchical Macroporous/Mesoporous Carbons via the Dual-Template Method and the Restriction Effect of Hard Template on Shrinkage of Mesoporous Polymers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8784-8792	3-8	22
10	Preparation of mesoporous In ₂ O ₃ nanorods via a hydrothermal-annealing method and their gas sensing properties. <i>Materials Letters</i> , 2012 , 75, 126-129	3-3	24
9	Electrochemical capacitive behaviors of ordered mesoporous carbons with controllable pore sizes. <i>Journal of Power Sources</i> , 2012 , 209, 243-250	8-9	55
8	High-rate lithium-sulfur batteries promoted by reduced graphene oxide coating. <i>Chemical Communications</i> , 2012 , 48, 4106-8	5-8	299
7	Hydrothermal synthesis of graphene/ZnS quantum dot nanocomposites. <i>Materials Letters</i> , 2011 , 65, 198-200	3-3	54
6	Preparation of Graphene-ZnS Nanocomposites via Hydrothermal Method Using Two Sulfide Sources. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 719-723	4-9	5
5	Facile preparation of magnetic separable powdered-activated-carbon/Ni adsorbent and its application in removal of perfluorooctane sulfonate (PFOS) from aqueous solution. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1482-90	2-3	20
4	An Easy and Green Route for the Fabrication of NiO Nanoparticles by Starch Template. <i>Integrated Ferroelectrics</i> , 2011 , 127, 128-133	0-8	4
3	Preparation of magnetic CoFe ₂ O ₄ -functionalized graphene sheets via a facile hydrothermal method and their adsorption properties. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 953-958	3-3	225
2	Synthesis of Ordered Macroporous Co ₃ O ₄ Microspheres via an Easy Melt Infiltration Route. <i>Chemistry Letters</i> , 2009 , 38, 1050-1051	1-7	5
1	Recent Advances in Complex Hollow Electrocatalysts for Water Splitting. <i>Advanced Functional Materials</i> , 2108681	15-6	20