

# Chunshuang Yan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9019853/chunshuang-yan-publications-by-citations.pdf>

**Version:** 2024-04-26

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.

48  
papers

3,657  
citations

24  
h-index

51  
g-index

51  
ext. papers

4,478  
ext. citations

11.8  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
48	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10246-10250	16.4	456
47	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6073-6076	16.4	443
46	Template-Based Engineering of Carbon-Doped Co <sub>3</sub> O <sub>4</sub> Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1428-1436	15.6	342
45	Mixed-metallic MOF based electrode materials for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1094-1102	13	285
44	Structural Engineering of 2D Nanomaterials for Energy Storage and Catalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706347	24	224
43	Holey 2D Nanomaterials for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702179	19.8	211
42	Metallic Transition Metal Selenide Holey Nanosheets for Efficient Oxygen Evolution Electrocatalysis. <i>ACS Nano</i> , <b>2017</b> , 11, 9550-9557	16.7	206
41	Layered nickel metal-organic framework for high performance alkaline battery-supercapacitor hybrid devices. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13344-13351	13	180
40	Two-Dimensional Holey CoO Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. <i>Nano Letters</i> , <b>2017</b> , 17, 3907-3913	11.5	134
39	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6181-6184	3.6	107
38	Architecting a Stable High-Energy Aqueous Al-Ion Battery. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 15295-15304	16.4	94
37	Local Built-In Electric Field Enabled in Carbon-Doped Co <sub>3</sub> O <sub>4</sub> Nanocrystals for Superior Lithium-Ion Storage. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705951	15.6	94
36	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10403-10407	3.6	86
35	Achieving Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> amorphous wire encapsulated in crystalline tube nanostructure as anode materials for lithium ion batteries. <i>Nano Energy</i> , <b>2017</b> , 33, 138-145	17.1	82
34	Engineering 2D Nanofluidic Li-Ion Transport Channels for Superior Electrochemical Energy Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703909	24	81
33	Boosting Electrocatalytic Ammonia Production through Mimicking [Back-Donation] <i>Chem</i> , <b>2020</b> , 6, 2690-2702	16.2	52
32	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. <i>Nature Sustainability</i> ,	22.1	48

31	Heterogeneous Molten Salt Design Strategy toward Coupling Cobalt Oxide and Carbon for Efficient Energy Conversion and Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800762	21.8	41
30	Structure-designed synthesis of Cu-doped Co <sub>3</sub> O <sub>4</sub> @N-doped carbon with interior void space for optimizing alkali-ion storage. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 610-617	19.4	40
29	Significantly Improving Lithium-Ion Transport via Conjugated Anion Intercalation in Inorganic Layered Hosts. <i>ACS Nano</i> , <b>2018</b> , 12, 8670-8677	16.7	36
28	Engineering Mesoporous Single Crystals Co-Doped FeO for High-Performance Lithium Ion Batteries. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 7642-7649	5.1	35
27	Edge dislocation surface modification: A new and efficient strategy for realizing outstanding lithium storage performance. <i>Nano Energy</i> , <b>2015</b> , 15, 558-566	17.1	35
26	A New Scalable Preparation of Metal Nanosheets: Potential Applications for Aqueous Zn-Ion Batteries Anode. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003187	15.6	25
25	Synthesis of metal oxide nanosheets through a novel approach for energy applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 781-784	13	25
24	A novel anode comprised of C&N co-doped Co <sub>3</sub> O <sub>4</sub> hollow nanofibres with excellent performance for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 19531-5	3.6	23
23	Microwave-assisted synthesis of Bi <sub>2</sub> Se <sub>3</sub> ultrathin nanosheets and its electrical conductivities. <i>CrystEngComm</i> , <b>2014</b> , 16, 3965-3970	3.3	22
22	Facile solvothermal synthesis and growth mechanism of flower-like PbTe dendrites assisted by cyclodextrin. <i>CrystEngComm</i> , <b>2012</b> , 14, 2327	3.3	22
21	One-dimensional Co <sub>3</sub> O <sub>4</sub> nanonet with enhanced rate performance for lithium ion batteries: Carbonyl-Cyclodextrin inducing and kinetic analysis. <i>Chemical Engineering Journal</i> , <b>2017</b> , 321, 31-39	14.7	21
20	One-dimensional Bi <sub>2</sub> O <sub>3</sub> QD-decorated BiVO <sub>4</sub> nanofibers: electrospinning synthesis, phase separation mechanism and enhanced photocatalytic performance. <i>RSC Advances</i> , <b>2015</b> , 5, 3767-3773	3.7	19
19	Metal-organic framework-induced formation of core-shell ZnCo <sub>2</sub> O <sub>4</sub> spheres composed by nanoparticles with enhanced lithium storage properties. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 6973-6976	3.6	16
18	Double surfactant-directed controllable synthesis of Sb <sub>2</sub> S <sub>3</sub> crystals with comparable electrochemical performances. <i>CrystEngComm</i> , <b>2014</b> , 16, 7753	3.3	16
17	Hydrothermal synthesis and thermoelectric transport property of PbS@bTe core-shell heterostructures. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2574	3.6	16
16	Lattice strain and atomic replacement of CoO <sub>6</sub> octahedra in layered sodium cobalt oxide for boosted water oxidation electrocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 297, 120477	21.8	15
15	Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2021</b> , e2101474	24	14
14	A 1D Honeycomb-Like Amorphous Zincic Vanadate for Stable and Fast Sodium-Ion Storage. <i>Small</i> , <b>2020</b> , 16, e1906214	11	13

13	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	12
12	Glucose assisted synthesis and growth mechanism of hierarchical antimony chalcogenides. <i>CrystEngComm</i> , <b>2012</b> , 14, 8547	3.3	11
11	Stabilising a Mn <sub>3</sub> O <sub>4</sub> nanosheet on graphene via forming a 2D@D nanostructure for improvement of lithium storage. <i>RSC Advances</i> , <b>2015</b> , 5, 106206-106212	3.7	10
10	Integration of cobalt selenide nanocrystals with interlayer expanded 3D Se/N Co-doped carbon networks for superior sodium-ion storage. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 169-175	12	10
9	Electric field effect in a Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> p-n junction for superior lithium-ion storage. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 909-915	7.8	9
8	Rational design of vanadium chalcogenides for sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 478, 228769	8.9	9
7	CuSe <sub>1-x</sub> S <sub>x</sub> nanosheets with an ordered superstructure as anode materials for lithium-ion batteries. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6588-6592	3.6	9
6	Well-defined Sb <sub>2</sub> S <sub>3</sub> nanostructures: citric acid-assisted synthesis, electrochemical hydrogen storage properties. <i>Crystal Research and Technology</i> , <b>2013</b> , 48, 566-573	1.3	8
5	Interface engineering on cobalt selenide composites enables superior Alkali-Ion storage. <i>Chemical Engineering Journal</i> , <b>2021</b> , 419, 129490	14.7	4
4	The S-hindered synthesis of PbSe/PbS nanosheets with enhanced electrochemical activities. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 3513-3519	3.6	3
3	Enhancement of the Seebeck Coefficient in Stacked Bi <sub>2</sub> Se <sub>3</sub> Nanoplates by Energy Filtering. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 2625-2630	2.3	3
2	Dual Ions Intercalation Drives High-Performance Aqueous Zn-Ion Storage on Birnessite-Type Manganese Oxides Cathode. <i>Energy Storage Materials</i> , <b>2022</b> ,	19.4	3
1	Rücktitelbild: An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions (Angew. Chem. 21/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6462-6462	3.6	