

# Chunshuang Yan

## List of Publications by Year in descending order

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49  
papers

5,474  
citations

172207

29  
h-index

197535

49  
g-index

51  
all docs

51  
docs citations

51  
times ranked

6865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10246-10250.	7.2	619
2	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6073-6076.	7.2	568
3	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> , 2016, 26, 1428-1436.	7.8	404
4	Mixed-metallic MOF based electrode materials for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1094-1102.	5.2	394
5	Structural Engineering of 2D Nanomaterials for Energy Storage and Catalysis. <i>Advanced Materials</i> , 2018, 30, e1706347.	11.1	297
6	Holey 2D Nanomaterials for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1702179.	10.2	293
7	Metallic Transition Metal Selenide Holey Nanosheets for Efficient Oxygen Evolution Electrocatalysis. <i>ACS Nano</i> , 2017, 11, 9550-9557.	7.3	273
8	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. <i>Nature Sustainability</i> , 2021, 4, 868-876.	11.5	264
9	Layered nickel metal-organic framework for high performance alkaline battery-supercapacitor hybrid devices. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13344-13351.	5.2	231
10	Architecting a Stable High-Energy Aqueous Al-Ion Battery. <i>Journal of the American Chemical Society</i> , 2020, 142, 15295-15304.	6.6	188
11	Two-Dimensional Holey Co <sub>3</sub> O <sub>4</sub> Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. <i>Nano Letters</i> , 2017, 17, 3907-3913.	4.5	158
12	An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , 2018, 130, 6181-6184.	1.6	149
13	Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2101474.	11.1	140
14	Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. <i>Angewandte Chemie</i> , 2018, 130, 10403-10407.	1.6	139
15	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> , 2018, 28, 1705951.	7.8	128
16	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. <i>ACS Nano</i> , 2022, 16, 8213-8222.	7.3	109
17	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> , 2017, 33, 138-145.	8.2	103
18	Engineering 2D Nanofluidic Li-Ion Transport Channels for Superior Electrochemical Energy Storage. <i>Advanced Materials</i> , 2017, 29, 1703909.	11.1	97

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19	Boosting Electrocatalytic Ammonia Production through Mimicking "Back-Donation". <i>CheM</i> , 2020, 6, 2690-2702.	5.8	88
20	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> , 2020, 24, 610-617.	9.5	64
21	Reversible Al Metal Anodes Enabled by Amorphization for Aqueous Aluminum Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 11444-11455.	6.6	63
22	Significantly Improving Lithium-Ion Transport via Conjugated Anion Intercalation in Inorganic Layered Hosts. <i>ACS Nano</i> , 2018, 12, 8670-8677.	7.3	54
23	Heterogeneous Molten Salt Design Strategy toward Coupling Cobalt "Cobalt Oxide and Carbon for Efficient Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1800762.	10.2	51
24	Engineering Mesoporous Single Crystals Co-Doped Fe <sub>2</sub> O <sub>3</sub> for High-Performance Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2017, 56, 7642-7649.	1.9	50
25	A New Scalable Preparation of Metal Nanosheets: Potential Applications for Aqueous Zn-Ion Batteries Anode. <i>Advanced Functional Materials</i> , 2020, 30, 2003187.	7.8	46
26	Dual ions intercalation drives high-performance aqueous Zn-ion storage on birnessite-type manganese oxides cathode. <i>Energy Storage Materials</i> , 2022, 49, 164-171.	9.5	43
27	Edge dislocation surface modification: A new and efficient strategy for realizing outstanding lithium storage performance. <i>Nano Energy</i> , 2015, 15, 558-566.	8.2	42
28	One-dimensional Co <sub>3</sub> O <sub>4</sub> nanonet with enhanced rate performance for lithium ion batteries: Carbonyl- $\beta$ -cyclodextrin inducing and kinetic analysis. <i>Chemical Engineering Journal</i> , 2017, 321, 31-39.	6.6	40
29	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> , 2021, 297, 120477.	10.8	30
30	Synthesis of metal oxide nanosheets through a novel approach for energy applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 781-784.	5.2	29
31	A 1D Honeycomb-Like Amorphous Zinc Vanadate for Stable and Fast Sodium-Ion Storage. <i>Small</i> , 2020, 16, e1906214.	5.2	27
32	Microwave-assisted synthesis of Bi <sub>2</sub> Se <sub>3</sub> ultrathin nanosheets and its electrical conductivities. <i>CrystEngComm</i> , 2014, 16, 3965-3970.	1.3	26
33	Interface engineering on cobalt selenide composites enables superior Alkali-Ion storage. <i>Chemical Engineering Journal</i> , 2021, 419, 129490.	6.6	26
34	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> , 2016, 18, 19531-19535.	1.3	25
35	Facile solvothermal synthesis and growth mechanism of flower-like PbTe dendrites assisted by cyclodextrin. <i>CrystEngComm</i> , 2012, 14, 2327.	1.3	23
36	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> , 2021, 55, 169-175.	7.1	22

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37	Rational design of vanadium chalcogenides for sodium-ion batteries. <i>Journal of Power Sources</i> , 2020, 478, 228769.	4.0	21
38	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> , 2015, 5, 3767-3773.	1.7	20
39	Hydrothermal synthesis and thermoelectric transport property of PbTe core-shell heterostructures. <i>New Journal of Chemistry</i> , 2012, 36, 2574.	1.4	19
40	Double surfactant-directed controllable synthesis of Sb <sub>2</sub> S <sub>3</sub> crystals with comparable electrochemical performances. <i>CrystEngComm</i> , 2014, 16, 7753.	1.3	18
41	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> , 2019, 3, 909-915.	3.2	18
42	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> , 2017, 41, 6973-6976.	1.4	17
43	Stabilising a Mn <sub>3</sub> O <sub>4</sub> nanosheet on graphene via forming a 2D-2D nanostructure for improvement of lithium storage. <i>RSC Advances</i> , 2015, 5, 106206-106212.	1.7	14
44	CuSe <sub>x</sub> S <sub>x</sub> nanosheets with an ordered superstructure as anode materials for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2016, 40, 6588-6592.	1.4	13
45	Glucose assisted synthesis and growth mechanism of hierarchical antimony chalcogenides. <i>CrystEngComm</i> , 2012, 14, 8547.	1.3	11
46	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> , 2013, 48, 566-573.	0.6	10
47	The S-hindered synthesis of PbSe/PbS nanosheets with enhanced electrochemical activities. <i>New Journal of Chemistry</i> , 2015, 39, 3513-3519.	1.4	5
48	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> , 2014, 2014, 2625-2630.	1.0	4
49	Å½cktitelbild: An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions ( <i>Angew. Chem.</i> 21/2018). <i>Angewandte Chemie</i> , 2018, 130, 6462-6462.	1.6	0