# Chunshuang Yan

## List of Publications by Year in Descending Order



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| 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 | A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions.. *ACS Nano*, **2022**, | 16.7 | 12 |
| 47 | Dual Ions Intercalation Drives High-Performance Aqueous Zn-Ion Storage on Birnessite-Type Manganese Oxides Cathode. *Energy Storage Materials*, **2022**, | 19.4 | 3 |
| 46 | Integration of cobalt selenide nanocrystals with interlayer expanded 3D Se/N Co-doped carbon networks for superior sodium-ion storage. *Journal of Energy Chemistry*, **2021**, 55, 169-175 | 12 | 10 |
| 45 | Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. *Advanced Materials*, **2021**, e2101474 | 24 | 14 |
| 44 | Interface engineering on cobalt selenide composites enables superior Alkali-Ion storage. *Chemical Engineering Journal*, **2021**, 419, 129490 | 14.7 | 4 |
| 43 | Lattice strain and atomic replacement of CoO6 octahedra in layered sodium cobalt oxide for boosted water oxidation electrocatalysis. *Applied Catalysis B: Environmental*, **2021**, 297, 120477 | 21.8 | 15 |
| 42 | A New Scalable Preparation of Metal Nanosheets: Potential Applications for Aqueous Zn-Ion Batteries Anode. *Advanced Functional Materials*, **2020**, 30, 2003187 | 15.6 | 25 |
| 41 | A 1D Honeycomb-Like Amorphous Zincic Vanadate for Stable and Fast Sodium-Ion Storage. *Small*, **2020**, 16, e1906214 | 11 | 13 |
| 40 | Rational design of vanadium chalcogenides for sodium-ion batteries. *Journal of Power Sources*, **2020**, 478, 228769 | 8.9 | 9 |
| 39 | Architecting a Stable High-Energy Aqueous Al-Ion Battery. *Journal of the American Chemical Society*, **2020**, 142, 15295-15304 | 16.4 | 94 |
| 38 | Boosting Electrocatalytic Ammonia Production through Mimicking Back-Donation *CheM*, **2020**, 6, 2690-2702 | 16.2 | 52 |
| 37 | Structure-designed synthesis of Cu-doped Co3O4@N-doped carbon with interior void space for optimizing alkali-ion storage. *Energy Storage Materials*, **2020**, 24, 610-617 | 19.4 | 40 |
| 36 | Electric field effect in a Co3O4/TiO2 p junction for superior lithium-ion storage. *Materials Chemistry Frontiers*, **2019**, 3, 909-915 | 7.8 | 9 |
| 35 | An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie*, **2018**, 130, 6181-6184 | 3.6 | 107 |
| 34 | An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 6073-6076 | 16.4 | 443 |
| 33 | Structural Engineering of 2D Nanomaterials for Energy Storage and Catalysis. *Advanced Materials*, **2018**, 30, e1706347 | 24 | 224 |
| 32 | Significantly Improving Lithium-Ion Transport via Conjugated Anion Intercalation in Inorganic Layered Hosts. *ACS Nano*, **2018**, 12, 8670-8677 | 16.7 | 36 |

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|---|---|---|---|
| 31 | Local Built-In Electric Field Enabled in Carbon-Doped Co3O4 Nanocrystals for Superior Lithium-Ion Storage. *Advanced Functional Materials*, **2018**, 28, 1705951 | 15.6 | 94 |
| 30 | Holey 2D Nanomaterials for Electrochemical Energy Storage. *Advanced Energy Materials*, **2018**, 8, 1702178 | 21.8 | 211 |
| 29 | Heterogeneous Molten Salt Design Strategy toward Coupling Cobalt–Cobalt Oxide and Carbon for Efficient Energy Conversion and Storage. *Advanced Energy Materials*, **2018**, 8, 1800762 | 21.8 | 41 |
| 28 | Rücktitelbild: An Amorphous Noble-Metal-Free Electrocatalyst that Enables Nitrogen Fixation under Ambient Conditions (Angew. Chem. 21/2018). *Angewandte Chemie*, **2018**, 130, 6462-6462 | 3.6 | |
| 27 | Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie*, **2018**, 130, 10403-10407 | 3.6 | 86 |
| 26 | Defect Engineering Metal-Free Polymeric Carbon Nitride Electrocatalyst for Effective Nitrogen Fixation under Ambient Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 10246-10250 | 16.4 | 456 |
| 25 | Achieving Ni3V2O8 amorphous wire encapsulated in crystalline tube nanostructure as anode materials for lithium ion batteries. *Nano Energy*, **2017**, 33, 138-145 | 17.1 | 82 |
| 24 | Mixed-metallic MOF based electrode materials for high performance hybrid supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 1094-1102 | 13 | 285 |
| 23 | Two-Dimensional Holey CoO Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. *Nano Letters*, **2017**, 17, 3907-3913 | 11.5 | 134 |
| 22 | Metal–organic framework-induced formation of core–shell ZnCo2O4 spheres composed by nanoparticles with enhanced lithium storage properties. *New Journal of Chemistry*, **2017**, 41, 6973-6976 | 3.6 | 16 |
| 21 | One-dimensional Co3O4 nanonet with enhanced rate performance for lithium ion batteries: Carbonyl-β-cyclodextrin inducing and kinetic analysis. *Chemical Engineering Journal*, **2017**, 321, 31-39 | 14.7 | 21 |
| 20 | Engineering 2D Nanofluidic Li-Ion Transport Channels for Superior Electrochemical Energy Storage. *Advanced Materials*, **2017**, 29, 1703909 | 24 | 81 |
| 19 | Metallic Transition Metal Selenide Holey Nanosheets for Efficient Oxygen Evolution Electrocatalysis. *ACS Nano*, **2017**, 11, 9550-9557 | 16.7 | 206 |
| 18 | Engineering Mesoporous Single Crystals Co-Doped FeO for High-Performance Lithium Ion Batteries. *Inorganic Chemistry*, **2017**, 56, 7642-7649 | 5.1 | 35 |
| 17 | Layered nickel metal–organic framework for high performance alkaline battery-supercapacitor hybrid devices. *Journal of Materials Chemistry A*, **2016**, 4, 13344-13351 | 13 | 180 |
| 16 | A novel anode comprised of C&N co-doped Co3O4 hollow nanofibres with excellent performance for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2016**, 18, 19531-5 | 3.6 | 23 |
| 15 | Synthesis of metal oxide nanosheets through a novel approach for energy applications. *Journal of Materials Chemistry A*, **2016**, 4, 781-784 | 13 | 25 |
| 14 | CuSe1−xSx nanosheets with an ordered superstructure as anode materials for lithium-ion batteries. *New Journal of Chemistry*, **2016**, 40, 6588-6592 | 3.6 | 9 |

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|---|---|---|---|
| 13 | Template-Based Engineering of Carbon-Doped Co3O4 Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. *Advanced Functional Materials*, **2016**, 26, 1428-1436 | 15.6 | 342 |
| 12 | The S-hindered synthesis of PbSe/PbS nanosheets with enhanced electrochemical activities. *New Journal of Chemistry*, **2015**, 39, 3513-3519 | 3.6 | 3 |
| 11 | One-dimensional Bi2O3 QD-decorated BiVO4 nanofibers: electrospinning synthesis, phase separation mechanism and enhanced photocatalytic performance. *RSC Advances*, **2015**, 5, 3767-3773 | 3.7 | 19 |
| 10 | Edge dislocation surface modification: A new and efficient strategy for realizing outstanding lithium storage performance. *Nano Energy*, **2015**, 15, 558-566 | 17.1 | 35 |
| 9 | Stabilising a Mn3O4 nanosheet on graphene via forming a 2D–2D nanostructure for improvement of lithium storage. *RSC Advances*, **2015**, 5, 106206-106212 | 3.7 | 10 |
| 8 | Microwave-assisted synthesis of Bi2Se3 ultrathin nanosheets and its electrical conductivities. *CrystEngComm*, **2014**, 16, 3965-3970 | 3.3 | 22 |
| 7 | Double surfactant-directed controllable synthesis of Sb2S3 crystals with comparable electrochemical performances. *CrystEngComm*, **2014**, 16, 7753 | 3.3 | 16 |
| 6 | Enhancement of the Seebeck Coefficient in Stacked Bi2Se3 Nanoplates by Energy Filtering. *European Journal of Inorganic Chemistry*, **2014**, 2014, 2625-2630 | 2.3 | 3 |
| 5 | Well-defined Sb2S3 nanostructures: citric acid-assisted synthesis, electrochemical hydrogen storage properties. *Crystal Research and Technology*, **2013**, 48, 566-573 | 1.3 | 8 |
| 4 | Glucose assisted synthesis and growth mechanism of hierarchical antimony chalcogenides. *CrystEngComm*, **2012**, 14, 8547 | 3.3 | 11 |
| 3 | Facile solvothermal synthesis and growth mechanism of flower-like PbTe dendrites assisted by cyclodextrin. *CrystEngComm*, **2012**, 14, 2327 | 3.3 | 22 |
| 2 | Hydrothermal synthesis and thermoelectric transport property of PbS–PbTe core–shell heterostructures. *New Journal of Chemistry*, **2012**, 36, 2574 | 3.6 | 16 |
| 1 | Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. *Nature Sustainability*, | 22.1 | 48 |