

# Ningyan Cheng

## List of Publications by Year in descending order

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29  
papers

7,581  
citations

236925

25  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

10061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of metal-organic frameworks by transmission electron microscopy. <i>Advances in Physics: X</i> , 2022, 7, .	4.1	3
2	<i>In Situ</i> Investigation of the Phase Transition at the Surface of Thermoelectric PbTe with van der Waals Control. <i>Research</i> , 2022, 2022, 9762401.	5.7	1
3	General Programmable Growth of Hybrid Core-Shell Nanostructures with Liquid Metal Nanodroplets. <i>Advanced Materials</i> , 2021, 33, e2008024.	21.0	28
4	Kondo Holes in the Two-Dimensional Itinerant Ising Ferromagnet $\text{Fe}_3\text{GeTe}_2$ . <i>Nano Letters</i> , 2021, 21, 6117-6123.	9.1	23
5	Ordered-vacancy-enabled indium sulphide printed in wafer-scale with enhanced electron mobility. <i>Materials Horizons</i> , 2020, 7, 827-834.	12.2	27
6	An Ir/Ni(OH) <sub>2</sub> Heterostructured Electrocatalyst for the Oxygen Evolution Reaction: Breaking the Scaling Relation, Stabilizing Iridium(V), and Beyond. <i>Advanced Materials</i> , 2020, 32, e2000872.	21.0	187
7	Atomically thin mesoporous NiCo <sub>2</sub> O <sub>4</sub> grown on holey graphene for enhanced pseudocapacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13443-13451.	10.3	25
8	Hydrogen Terminated Germanene for a Robust Self-Powered Flexible Photoelectrochemical Photodetector. <i>Small</i> , 2020, 16, e2000283.	10.0	58
9	Epitaxial growth of metal-semiconductor van der Waals heterostructures NbS <sub>2</sub> /MoS <sub>2</sub> with enhanced performance of transistors and photodetectors. <i>Science China Materials</i> , 2020, 63, 1548-1559.	6.3	40
10	Ligand-assisted cation-exchange engineering for high-efficiency colloidal Cs <sub>1-x</sub> FAPbI <sub>3</sub> quantum dot solar cells with reduced phase segregation. <i>Nature Energy</i> , 2020, 5, 79-88.	39.5	412
11	Transition-Metal Substitution-Induced Lattice Strain and Electrical Polarity Reversal in Monolayer WS <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18650-18659.	8.0	20
12	Rational design of two-dimensional hybrid Co/N-doped carbon nanosheet arrays for efficient bi-functional electrocatalysis. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1757-1763.	4.9	11
13	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8824-8828.	13.8	242
14	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 8916-8920.	2.0	18
15	Boosting Visible-Light-Driven Photo-oxidation of BiOCl by Promoted Charge Separation via Vacancy Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3010-3017.	6.7	101
16	Recent Development of Zeolitic Imidazolate Frameworks (ZIFs) Derived Porous Carbon Based Materials as Electrocatalysts. <i>Advanced Energy Materials</i> , 2018, 8, 1801257.	19.5	242
17	NiSe Nanowire Film Supported on Nickel Foam: An Efficient and Stable 3D Bifunctional Electrode for Full Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9351-9355.	13.8	1,242
18	Cobalt Phosphide Nanowires: Efficient Nanostructures for Fluorescence Sensing of Biomolecules and Photocatalytic Evolution of Dihydrogen from Water under Visible Light. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5493-5497.	13.8	216

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19	Cu/(Cu(OH) <sub>2</sub> -CuO) core/shell nanorods array: in-situ growth and application as an efficient 3D oxygen evolution anode. <i>Electrochimica Acta</i> , 2015, 163, 102-106.	5.2	101
20	A Fe-doped Ni <sub>3</sub> S <sub>2</sub> particle film as a high-efficiency robust oxygen evolution electrode with very high current density. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23207-23212.	10.3	308
21	Self-supported NiMo hollow nanorod array: an efficient 3D bifunctional catalytic electrode for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20056-20059.	10.3	218
22	Acidically oxidized carbon cloth: a novel metal-free oxygen evolution electrode with high catalytic activity. <i>Chemical Communications</i> , 2015, 51, 1616-1619.	4.1	153
23	Carbon Nanotubes Decorated with CoP Nanocrystals: A Highly Active Non-Noble-Metal Nanohybrid Electrocatalyst for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6710-6714.	13.8	939
24	Self-Supported Cu <sub>3</sub> P Nanowire Arrays as an Integrated High-Performance Three-Dimensional Cathode for Generating Hydrogen from Water. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9577-9581.	13.8	784
25	Activated carbon nanotubes: a highly-active metal-free electrocatalyst for hydrogen evolution reaction. <i>Chemical Communications</i> , 2014, 50, 9340-9342.	4.1	187
26	Graphitic carbon nitride nanosheets: one-step, high-yield synthesis and application for Cu <sup>2+</sup> detection. <i>Analyst</i> , 2014, 139, 5065-5068.	3.5	111
27	Mo <sub>2</sub> C Nanoparticles Decorated Graphitic Carbon Sheets: Biopolymer-Derived Solid-State Synthesis and Application as an Efficient Electrocatalyst for Hydrogen Generation. <i>ACS Catalysis</i> , 2014, 4, 2658-2661.	11.2	343
28	Template-assisted synthesis of CoP nanotubes to efficiently catalyze hydrogen-evolving reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14812-14816.	10.3	147
29	Au-Nanoparticle-Loaded Graphitic Carbon Nitride Nanosheets: Green Photocatalytic Synthesis and Application toward the Degradation of Organic Pollutants. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6815-6819.	8.0	493