

# Xinzhe Li

## List of Publications by Year in descending order

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36  
papers

2,264  
citations

304743

22  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3714  
citing authors

#	ARTICLE	IF	CITATIONS
1	MOF derived Co <sub>3</sub> O <sub>4</sub> nanoparticles embedded in N-doped mesoporous carbon layer/MWCNT hybrids: extraordinary bi-functional electrocatalysts for OER and ORR. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17392-17402.	10.3	351
2	Synthesis of Cu@MoS <sub>2</sub> /rGO hybrid as non-noble metal electrocatalysts for the hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2015, 292, 15-22.	7.8	214
3	Atomically Dispersed Fe@Heteroatom (N, S) Bridge Sites Anchored on Carbon Nanosheets for Promoting Oxygen Reduction Reaction. <i>ACS Energy Letters</i> , 2021, 6, 379-386.	17.4	167
4	MoS <sub>2</sub> quantum dot decorated RGO: a designed electrocatalyst with high active site density for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21772-21778.	10.3	127
5	Atomically Dispersed Indium Sites for Selective CO <sub>2</sub> Electroreduction to Formic Acid. <i>ACS Nano</i> , 2021, 15, 5671-5678.	14.6	121
6	Nitrogen-doped mesoporous carbon nanosheet/carbon nanotube hybrids as metal-free bi-functional electrocatalysts for water oxidation and oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13133-13141.	10.3	116
7	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. <i>Nature Communications</i> , 2020, 11, 4389.	12.8	110
8	Activating Basal Planes of NiPS <sub>3</sub> for Hydrogen Evolution by Nonmetal Heteroatom Doping. <i>Advanced Functional Materials</i> , 2020, 30, 1908708.	14.9	96
9	Ultrafine Co <sub>2</sub> P nanoparticles encapsulated in nitrogen and phosphorus dual-doped porous carbon nanosheet/carbon nanotube hybrids: high-performance bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15501-15510.	10.3	90
10	Precious-metal-free Co@Fe@O <sub>x</sub> coupled nitrogen-enriched porous carbon nanosheets derived from Schiff-base porous polymers as superior electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6505-6512.	10.3	89
11	Ordered clustering of single atomic Te vacancies in atomically thin PtTe <sub>2</sub> promotes hydrogen evolution catalysis. <i>Nature Communications</i> , 2021, 12, 2351.	12.8	83
12	Ultrasonication-assisted ultrafast preparation of multiwalled carbon nanotubes/Au/Co <sub>3</sub> O <sub>4</sub> tubular hybrids as superior anode materials for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2015, 300, 285-293.	7.8	65
13	High-yield Electrochemical Production of Large-sized and Thinly Layered NiPS <sub>3</sub> Flakes for Overall Water Splitting. <i>Small</i> , 2019, 15, e1902427.	10.0	62
14	Ultrathin PdTe nanowires anchoring reduced graphene oxide cathodes for efficient hydrogen evolution reaction. <i>Nanoscale</i> , 2015, 7, 18441-18445.	5.6	54
15	Co@Co <sub>3</sub> O <sub>4</sub> core-shell particle encapsulated N-doped mesoporous carbon cage hybrids as active and durable oxygen-evolving catalysts. <i>Dalton Transactions</i> , 2016, 45, 5575-5582.	3.3	53
16	Controllable orientation-dependent crystal growth of high-index faceted dendritic Ni <sub>0.2</sub> nanosheets as high-performance bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18499-18508.	10.3	51
17	Encapsulating Co <sub>2</sub> P@C Core-shell Nanoparticles in a Porous Carbon Sandwich as Dual-doped Electrocatalyst for Hydrogen Evolution. <i>ChemSusChem</i> , 2018, 11, 376-388.	6.8	45
18	Janus electrochemical exfoliation of two-dimensional materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25691-25711.	10.3	41

#	ARTICLE	IF	CITATIONS
19	Programmed synthesis of magnetic mesoporous silica nanotubes with tiny Au nanoparticles: a highly novel catalyst system. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10485.	10.3	36
20	A Robust 2D Photoelectrochemical Detector Based on NiPS <sub>3</sub> Flakes. <i>Advanced Electronic Materials</i> , 2019, 5, 1900726.	5.1	36
21	Preparation of recoverable Fe <sub>3</sub> O <sub>4</sub> @PANI-Pd core/shell catalysts for Suzuki carbonylative cross-coupling reactions. <i>New Journal of Chemistry</i> , 2014, 38, 4622-4627.	2.8	34
22	NiPS <sub>3</sub> nanoflakes: a nonlinear optical material for ultrafast photonics. <i>Nanoscale</i> , 2019, 11, 14383-14391.	5.6	34
23	Two-dimensional monoelemental germanene nanosheets: facile preparation and optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16318-16325.	5.5	23
24	Electrochemically Exfoliated Platinum Dichalcogenide Atomic Layers for High-Performance Air-Stable Infrared Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8518-8527.	8.0	23
25	Engineering Ru/MnCo <sub>3</sub> O <sub>x</sub> for 1,2-Dichloroethane Benign Destruction by Strengthening C-Cl Cleavage and Chlorine Desorption: Decisive Role of H <sub>2</sub> O and Reaction Mechanism. <i>ACS Catalysis</i> , 2022, 12, 8776-8792.	11.2	23
26	Cobalt(II) acetylacetonate covalently anchored onto magnetic mesoporous silica nanospheres as a catalyst for epoxidation of olefins. <i>Materials Chemistry and Physics</i> , 2015, 156, 9-15.	4.0	17
27	Programmed Synthesis Palladium Supported on Fe <sub>3</sub> O <sub>4</sub> @C: An Efficient and Heterogeneous Recyclable Catalyst for One-Pot Reductive Amination of Aldehydes with Nitroarenes in Aqueous Reaction Medium. <i>Catalysis Letters</i> , 2015, 145, 1591-1599.	2.6	15
28	Coaxial ultrathin Co <sub>1-x</sub> Fe <sub>x</sub> O <sub>x</sub> nanosheet coating on carbon nanotubes for water oxidation with excellent activity. <i>RSC Advances</i> , 2016, 6, 80613-80620.	3.6	15
29	General, Metal-free Synthesis of Carbon Nanofiber Assemblies from Plant Oils. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24257-24265.	13.8	15
30	Real-Space Imaging of a Single-Molecule Monoradical Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 13550-13557.	13.7	14
31	Atomically Precise Single Metal Oxide Cluster Catalyst with Oxygen-Controlled Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
32	Pd nanoparticles supported on amino-functionalized magnetic mesoporous silica nanotubes: a highly selective catalyst for the catalytic hydrodechlorination reaction. <i>RSC Advances</i> , 2016, 6, 76582-76589.	3.6	10
33	Controllable nonlinear optical properties of different-sized iron phosphorus trichalcogenide (FePS <sub>3</sub> ) nanosheets. <i>Nanophotonics</i> , 2020, 9, 4555-4564.	6.0	9
34	Mesoporous titanium dioxide coating on gold modified silica nanotubes: a tube-in-tube titanium nanostructure for visible-light photocatalysts. <i>RSC Advances</i> , 2015, 5, 69962-69969.	3.6	8
35	General, metal-free synthesis of carbon nanofiber assemblies from plant oils. <i>Angewandte Chemie</i> , 0, , .	2.0	2
36	Catalytically active atomically thin cuprate with periodic Cu single sites. <i>National Science Review</i> , 2023, 10, .	9.5	2