

# Huicong Xia

## List of Publications by Year in descending order

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23  
papers

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#	ARTICLE	IF	CITATIONS
1	Co <sub>2</sub> Pd-CoN Double Active Centers Confined in N-Doped Carbon Nanotube: Heterostructural Engineering for Trifunctional Catalysis toward HER, ORR, OER, and Zn-Air Batteries Driven Water Splitting. <i>Advanced Functional Materials</i> , 2018, 28, 1805641.	14.9	443
2	Carbon Nanosheets Containing Discrete Co-N <sub>x</sub> -B <sub>y</sub> -C Active Sites for Efficient Oxygen Electrocatalysis and Rechargeable Zn-Air Batteries. <i>ACS Nano</i> , 2018, 12, 1894-1901.	14.6	419
3	Sulfuration of an Fe-N-C Catalyst Containing Fe <sub>x</sub> /C/Fe Species to Enhance the Catalysis of Oxygen Reduction in Acidic Media and for Use in Flexible Zn-Air Batteries. <i>Advanced Materials</i> , 2018, 30, e1804504.	21.0	269
4	2D MOF Nanoflake-Assembled Spherical Microstructures for Enhanced Supercapacitor and Electrocatalysis Performances. <i>Nano-Micro Letters</i> , 2017, 9, 43.	27.0	234
5	Defect Engineering on Carbon-Based Catalysts for Electrocatalytic CO <sub>2</sub> Reduction. <i>Nano-Micro Letters</i> , 2021, 13, 5.	27.0	118
6	Phosphorus-Driven Electron Delocalization on Edge-Type FeN <sub>4</sub> Active Sites for Oxygen Reduction in Acid Medium. <i>ACS Catalysis</i> , 2021, 11, 12754-12762.	11.2	98
7	CoS <sub>2</sub> nanodots trapped within graphitic structured N-doped carbon spheres with efficient performances for lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7148-7154.	10.3	82
8	Recent Progress on Two-Dimensional Nanoflake Ensembles for Energy Storage Applications. <i>Nano-Micro Letters</i> , 2018, 10, 66.	27.0	71
9	Two-dimensional amorphous heterostructures of Ag/a-WO <sub>3</sub> for high-efficiency photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 648-655.	20.2	69
10	Fabrication of Fe-doped Co-MOF with mesoporous structure for the optimization of supercapacitor performances. <i>Chinese Chemical Letters</i> , 2018, 29, 834-836.	9.0	64
11	Boosting Nitrogen Reduction to Ammonia on FeN <sub>4</sub> Sites by Atomic Spin Regulation. <i>Advanced Science</i> , 2021, 8, e2102915.	11.2	64
12	Rational confinement engineering of MOF-derived carbon-based electrocatalysts toward CO <sub>2</sub> reduction and O <sub>2</sub> reduction reactions. <i>Informa-Materially</i> , 2022, 4, .	17.3	58
13	Atomic Level Dispersed Metal-Nitrogen-Carbon Catalyst toward Oxygen Reduction Reaction: Synthesis Strategies and Chemical Environmental Regulation. <i>Energy and Environmental Materials</i> , 2021, 4, 5-18.	12.8	55
14	Boron-Tethering and Regulative Electronic States Around Iridium Species for Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	35
15	Evolution of a solid electrolyte interphase enabled by FeN <sub>x</sub> /C catalysts for sodium-ion storage. <i>Energy and Environmental Science</i> , 2022, 15, 771-779.	30.8	34
16	Concave Pt-Zn Nanocubes with High-Index Faceted Pt Skin as Highly Efficient Oxygen Reduction Catalyst. <i>Advanced Science</i> , 2022, 9, e2200147.	11.2	25
17	Inactivating SARS-CoV-2 by electrochemical oxidation. <i>Science Bulletin</i> , 2021, 66, 720-726.	9.0	18
18	1D Cu(OH) <sub>2</sub> nanorod/2D SnO <sub>2</sub> nanosheets core/shell structured array: Covering with graphene layer leads to excellent performances on lithium-ion battery. <i>Applied Surface Science</i> , 2018, 440, 91-98.	6.1	16

#	ARTICLE	IF	CITATIONS
19	Atomically dispersed metal active centers as a chemically tunable platform for energy storage devices. Journal of Materials Chemistry A, 2020, 8, 15358-15372.	10.3	16
20	Probing the active sites of 2D nanosheets with Fe-N-C carbon shell encapsulated Fe <sub>x</sub> C/Fe species for boosting sodium-ion storage performances. Nano Research, 2022, 15, 7154-7162.	10.4	14
21	The assembling principle and strategies of high-density atomically dispersed catalysts. Chemical Engineering Journal, 2021, 417, 127917.	12.7	13
22	Interfacial engineering of Ag nanodots/MoSe <sub>2</sub> nanoflakes/Cu(OH) <sub>2</sub> hybrid-electrode for lithium-ion battery. Journal of Colloid and Interface Science, 2019, 557, 635-643.	9.4	12
23	Supercapacitors. , 2021, , 143-164.		0