

# Yanping Zhu

## List of Publications by Year in descending order

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31  
papers

3,542  
citations

218677

26  
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414414

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docs citations

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times ranked

4422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operando Unraveling of the Structural and Chemical Stability of P-Substituted CoSe <sub>2</sub> Electrocatalysts toward Hydrogen and Oxygen Evolution Reactions in Alkaline Electrolyte. ACS Energy Letters, 2019, 4, 987-994.	17.4	363
2	Magnetic core-shell CuFe <sub>2</sub> O <sub>4</sub> @C <sub>3</sub> N <sub>4</sub> hybrids for visible light photocatalysis of Orange II. Journal of Hazardous Materials, 2015, 297, 224-233.	12.4	337
3	In Situ Operando Studies for Designing Next-Generation Electrocatalysts. ACS Energy Letters, 2020, 5, 1281-1291.	17.4	309
4	Enhancing Electrocatalytic Activity for Hydrogen Evolution by Strongly Coupled Molybdenum Nitride@Nitrogen-Doped Carbon Porous Nano-Octahedrons. ACS Catalysis, 2017, 7, 3540-3547.	11.2	306
5	An Amorphous Nickel-Iron-Based Electrocatalyst with Unusual Local Structures for Ultrafast Oxygen Evolution Reaction. Advanced Materials, 2019, 31, e1900883.	21.0	243
6	Dynamic Reoxidation/Reduction-Driven Atomic Interdiffusion for Highly Selective CO <sub>2</sub> Reduction toward Methane. Journal of the American Chemical Society, 2020, 142, 12119-12132.	13.7	200
7	Linking the Dynamic Chemical State of Catalysts with the Product Profile of Electrocatalytic CO <sub>2</sub> Reduction. Angewandte Chemie - International Edition, 2021, 60, 17254-17267.	13.8	185
8	Emerging dynamic structure of electrocatalysts unveiled by in situ X-ray diffraction/absorption spectroscopy. Energy and Environmental Science, 2021, 14, 1928-1958.	30.8	179
9	Two orders of magnitude enhancement in oxygen evolution reactivity on amorphous Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> nanofilms with tunable oxidation state. Science Advances, 2017, 3, e1603206.	10.3	170
10	Rationally Designed Hierarchically Structured Tungsten Nitride and Nitrogen-Rich Graphene-Like Carbon Nanocomposite as Efficient Hydrogen Evolution Electrocatalyst. Advanced Science, 2018, 5, 1700603.	11.2	128
11	Electrochemical Reduction of CO <sub>2</sub> to Ethane through Stabilization of an Ethoxy Intermediate. Angewandte Chemie - International Edition, 2020, 59, 19649-19653.	13.8	122
12	A Universal Strategy to Design Superior Water-Splitting Electrocatalysts Based on Fast In Situ Reconstruction of Amorphous Nanofilm Precursors. Advanced Materials, 2018, 30, e1804333.	21.0	108
13	Facile synthesis of a MoO <sub>2</sub> @Mo <sub>2</sub> C composite and its application as favorable anode material for lithium-ion batteries. Journal of Power Sources, 2016, 307, 552-560.	7.8	98
14	In situ X-ray diffraction and X-ray absorption spectroscopy of electrocatalysts for energy conversion reactions. Journal of Materials Chemistry A, 2020, 8, 19079-19112.	10.3	98
15	A surface-modified antiperovskite as an electrocatalyst for water oxidation. Nature Communications, 2018, 9, 2326.	12.8	87
16	Ultrahigh-performance tungsten-doped perovskites for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 9854-9859.	10.3	82
17	In Situ Spatially Coherent Identification of Phosphide-Based Catalysts: Crystallographic Latching for Highly Efficient Overall Water Electrolysis. ACS Energy Letters, 2019, 4, 2813-2820.	17.4	75
18	Surfactant-free self-assembly of reduced graphite oxide-MoO <sub>2</sub> nanobelt composites used as electrode for lithium-ion batteries. Electrochimica Acta, 2016, 211, 972-981.	5.2	53

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19	Highly Active Carbon/ $\text{MnO}_2$ Hybrid Oxygen Reduction Reaction Electrocatalysts. <i>ChemElectroChem</i> , 2016, 3, 1760-1767.	3.4	42
20	Linking the Dynamic Chemical State of Catalysts with the Product Profile of Electrochemical $\text{CO}_2$ Reduction. <i>Angewandte Chemie</i> , 2021, 133, 17394-17407.	2.0	42
21	A Self-Assembled Heterostructured Inverse Spinell and Antiperovskite Nanocomposite for Ultrafast Water Oxidation. <i>Small</i> , 2020, 16, e2002089.	10.0	40
22	In Situ Identifying the Dynamic Structure behind Activity of Atomically Dispersed Platinum Catalyst toward Hydrogen Evolution Reaction. <i>Small</i> , 2021, 17, e2005713.	10.0	38
23	Adsorption-based synthesis of $\text{Co}_3\text{O}_4/\text{C}$ composite anode for high performance lithium-ion batteries. <i>Energy</i> , 2017, 125, 569-575.	8.8	34
24	Anionic Effects on Metal Pair of Se-Doped Nickel Diphosphide for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14247-14255.	6.7	30
25	Strong Correlation between the Dynamic Chemical State and Product Profile of Carbon Dioxide Electroreduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22681-22696.	8.0	30
26	A hierarchical $\text{Zn}_2\text{Mo}_3\text{O}_8$ nanodots@porous carbon composite as a superior anode for lithium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 9402-9405.	4.1	29
27	Activating Both Basal Plane and Edge Sites of Layered Cobalt Oxides for Boosted Water Oxidation. <i>Advanced Functional Materials</i> , 2021, 31, 2103569.	14.9	28
28	Fructose-Derived Hollow Carbon Nanospheres with Ultrathin and Ordered Mesoporous Shells as Cathodes in Lithium-Sulfur Batteries for Fast Energy Storage. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700081.	5.3	27
29	Three Strongly Coupled Allotropes in a Functionalized Porous All-Carbon Nanocomposite as a Superior Anode for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2016, 3, 698-703.	3.4	23
30	An extremely active and durable $\text{Mo}_2\text{C}$ /graphene-like carbon based electrocatalyst for hydrogen evolution reaction. <i>Materials Today Energy</i> , 2017, 6, 230-237.	4.7	18
31	Rational confinement of molybdenum based nanodots in porous carbon for highly reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10403-10408.	10.3	16