Yanping Zhu

List of Publications by Year
in descending order

31 papers	3,542 citations	218592 26 h-index	414303 32 g-index
33 all docs	33 docs citations	33 times ranked	4422 citing authors

#	Article	IF	Citations
1	Strong Correlation between the Dynamic Chemical State and Product Profile of Carbon Dioxide Electroreduction. ACS Applied Materials & Interfaces, 2022, 14, 22681-22696.	4.0	30
2	In Situ Identifying the Dynamic Structure behind Activity of Atomically Dispersed Platinum Catalyst toward Hydrogen Evolution Reaction. Small, 2021, 17, e2005713.	5.2	38
3	Linking the Dynamic Chemical State of Catalysts with the Product Profile of Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2021, 133, 17394-17407.	1.6	42
4	Linking the Dynamic Chemical State of Catalysts with the Product Profile of Electrocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 17254-17267.	7.2	185
5	Activating Both Basal Plane and Edge Sites of Layered Cobalt Oxides for Boosted Water Oxidation. Advanced Functional Materials, 2021, 31, 2103569.	7.8	28
6	Emerging dynamic structure of electrocatalysts unveiled by<i>in situ</i>X-ray diffraction/absorption spectroscopy. Energy and Environmental Science, 2021, 14, 1928-1958.	15.6	179
7	<i>In situ</i>X-ray diffraction and X-ray absorption spectroscopy of electrocatalysts for energy conversion reactions. Journal of Materials Chemistry A, 2020, 8, 19079-19112.	5.2	98
8	Dynamic Reoxidation/Reduction-Driven Atomic Interdiffusion for Highly Selective CO₂ Reduction toward Methane. Journal of the American Chemical Society, 2020, 142, 12119-12132.	6.6	200
9	<i>In Situ</i>/<i>Operando</i> Studies for Designing Next-Generation Electrocatalysts. ACS Energy Letters, 2020, 5, 1281-1291.	8.8	309
10	A Selfâ€Assembled Heteroâ€Structured Inverseâ€Spinel and Antiâ€Perovskite Nanocomposite for Ultrafast Water Oxidation. Small, 2020, 16, e2002089.	5.2	40
11	Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate. Angewandte Chemie - International Edition, 2020, 59, 19649-19653.	7.2	122
12	Anionic Effects on Metal Pair of Se-Doped Nickel Diphosphide for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 14247-14255.	3.2	30
13	In Situ Spatially Coherent Identification of Phosphide-Based Catalysts: Crystallographic Latching for Highly Efficient Overall Water Electrolysis. ACS Energy Letters, 2019, 4, 2813-2820.	8.8	75
14	An Amorphous Nickelâ€"Ironâ€Based Electrocatalyst with Unusual Local Structures for Ultrafast Oxygen Evolution Reaction. Advanced Materials, 2019, 31, e1900883.	11.1	243
15	Operando Unraveling of the Structural and Chemical Stability of P-Substituted CoSe₂ Electrocatalysts toward Hydrogen and Oxygen Evolution Reactions in Alkaline Electrolyte. ACS Energy Letters, 2019, 4, 987-994.	8.8	363
16	Rationally Designed Hierarchically Structured Tungsten Nitride and Nitrogenâ€Rich Grapheneâ€Like Carbon Nanocomposite as Efficient Hydrogen Evolution Electrocatalyst. Advanced Science, 2018, 5, 1700603.	5.6	128
17	A Universal Strategy to Design Superior Waterâ€Splitting Electrocatalysts Based on Fast In Situ Reconstruction of Amorphous Nanofilm Precursors. Advanced Materials, 2018, 30, e1804333.	11.1	108
18	Ultrahigh-performance tungsten-doped perovskites for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 9854-9859.	5.2	82

#	Article	IF	Citations
19	AÂsurface-modified antiperovskite asÂan electrocatalyst for water oxidation. Nature Communications, 2018, 9, 2326.	5.8	87
20	Enhancing Electrocatalytic Activity for Hydrogen Evolution by Strongly Coupled Molybdenum Nitride@Nitrogen-Doped Carbon Porous Nano-Octahedrons. ACS Catalysis, 2017, 7, 3540-3547.	5.5	306
21	Adsorption-based synthesis of Co 3 O 4 /C composite anode for high performance lithium-ion batteries. Energy, 2017, 125, 569-575.	4.5	34
22	Fructoseâ€Derived Hollow Carbon Nanospheres with Ultrathin and Ordered Mesoporous Shells as Cathodes in Lithiumâ€"Sulfur Batteries for Fast Energy Storage. Advanced Sustainable Systems, 2017, 1, 1700081.	2.7	27
23	An extremely active and durable Mo 2 C/graphene-like carbon based electrocatalyst for hydrogen evolution reaction. Materials Today Energy, 2017, 6, 230-237.	2.5	18
24	Two orders of magnitude enhancement in oxygen evolution reactivity on amorphous Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3âˆ'Î´} nanofilms with tunable oxidation state. Science Advances, 2017, 3, e1603206.	4.7	170
25	Highly Active Carbon/Î±â€MnO₂ Hybrid Oxygen Reduction Reaction Electrocatalysts. ChemElectroChem, 2016, 3, 1760-1767.	1.7	42
26	Surfactant-free self-assembly of reduced graphite oxide-MoO2 nanobelt composites used as electrode for lithium-ion batteries. Electrochimica Acta, 2016, 211, 972-981.	2.6	53
27	Rational confinement of molybdenum based nanodots in porous carbon for highly reversible lithium storage. Journal of Materials Chemistry A, 2016, 4, 10403-10408.	5.2	16
28	A hierarchical Zn₂Mo₃O₈ nanodotsâ€"porous carbon composite as a superior anode for lithium-ion batteries. Chemical Communications, 2016, 52, 9402-9405.	2.2	29
29	Three Strongly Coupled Allotropes in a Functionalized Porous Allâ€Carbon Nanocomposite as a Superior Anode for Lithiumâ€Ion Batteries. ChemElectroChem, 2016, 3, 698-703.	1.7	23
30	Facile synthesis of a MoO2â€"Mo2Câ€"C composite and its application as favorable anode material for lithium-ion batteries. Journal of Power Sources, 2016, 307, 552-560.	4.0	98
31	Magnetic coreâ€"shell CuFe2O4@C3N4 hybrids for visible light photocatalysis of Orange II. Journal of Hazardous Materials, 2015, 297, 224-233.	6.5	337