Yanping Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2981544/publications.pdf

Version: 2024-02-01

31	3,542	218592 26	414303 32
papers	citations	h-index	g-index

33	33	33	4422
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Magnetic coreâ€“shell CuFe2O4@C3N4 hybrids for visible light photocatalysis of Orange II. Journal of Hazardous Materials, 2015, 297, 224-233.	6.5	337
3	<i>In Situ</i>/<i>Operando</i> Studies for Designing Next-Generation Electrocatalysts. ACS Energy Letters, 2020, 5, 1281-1291.	8.8	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.	5.5	306
5	An Amorphous Nickelâ€“Ironâ€Based Electrocatalyst with Unusual Local Structures for Ultrafast Oxygen Evolution Reaction. Advanced Materials, 2019, 31, e1900883.	11.1	243
6	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
7	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
8	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
9	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
10	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
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	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
13	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
14	<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
15	AÂ surface-modified antiperovskite asÂ an electrocatalyst for water oxidation. Nature Communications, 2018, 9, 2326.	5.8	87
16	Ultrahigh-performance tungsten-doped perovskites for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 9854-9859.	5.2	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.	8.8	75
18	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

#	Article	IF	Citations
19	Highly Active Carbon/Î±â€MnO₂ Hybrid Oxygen Reduction Reaction Electrocatalysts. ChemElectroChem, 2016, 3, 1760-1767.	1.7	42
20	Linking the Dynamic Chemical State of Catalysts with the Product Profile of Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2021, 133, 17394-17407.	1.6	42
21	A Selfâ€Assembled Heteroâ€Structured Inverseâ€Spinel and Antiâ€Perovskite Nanocomposite for Ultrafast Water Oxidation. Small, 2020, 16, e2002089.	5.2	40
22	In Situ Identifying the Dynamic Structure behind Activity of Atomically Dispersed Platinum Catalyst toward Hydrogen Evolution Reaction. Small, 2021, 17, e2005713.	5.2	38
23	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
24	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
25	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
26	A hierarchical Zn₂Mo₃O₈ nanodotsâ€“porous carbon composite as a superior anode for lithium-ion batteries. Chemical Communications, 2016, 52, 9402-9405.	2.2	29
27	Activating Both Basal Plane and Edge Sites of Layered Cobalt Oxides for Boosted Water Oxidation. Advanced Functional Materials, 2021, 31, 2103569.	7.8	28
28	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
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	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
31	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