

Ya-Rong Zheng

List of Publications by Year in descending order

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48
papers

7,945
citations

126907

33
h-index

214800

47
g-index

53
all docs

53
docs citations

53
times ranked

10040
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient molybdenum disulfide/cobalt diselenide hybrid catalyst for electrochemical hydrogen generation. <i>Nature Communications</i> , 2015, 6, 5982.	12.8	897
2	Water Oxidation Electrocatalyzed by an Efficient Mn ₃ O ₄ /CoSe ₂ Nanocomposite. <i>Journal of the American Chemical Society</i> , 2012, 134, 2930-2933.	13.7	644
3	Nitrogen-Doped Graphene Supported CoSe ₂ Nanobelt Composite Catalyst for Efficient Water Oxidation. <i>ACS Nano</i> , 2014, 8, 3970-3978.	14.6	516
4	Identification of active sites for acidic oxygen reduction on carbon catalysts with and without nitrogen doping. <i>Nature Catalysis</i> , 2019, 2, 688-695.	34.4	423
5	“Superaerophobic” Nickel Phosphide Nanoarray Catalyst for Efficient Hydrogen Evolution at Ultrahigh Current Densities. <i>Journal of the American Chemical Society</i> , 2019, 141, 7537-7543.	13.7	401
6	Protecting Copper Oxidation State via Intermediate Confinement for Selective CO ₂ Electroreduction to C ₂₊ Fuels. <i>Journal of the American Chemical Society</i> , 2020, 142, 6400-6408.	13.7	396
7	Nickel/Nickel(II) Oxide Nanoparticles Anchored onto Cobalt(IV) Diselenide Nanobelts for the Electrochemical Production of Hydrogen. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8546-8550.	13.8	381
8	A one-dimensional porous carbon-supported Ni/Mo ₂ C dual catalyst for efficient water splitting. <i>Chemical Science</i> , 2017, 8, 968-973.	7.4	372
9	Doping-induced structural phase transition in cobalt diselenide enables enhanced hydrogen evolution catalysis. <i>Nature Communications</i> , 2018, 9, 2533.	12.8	356
10	Copper nanocavities confine intermediates for efficient electrosynthesis of C ₃ alcohol fuels from carbon monoxide. <i>Nature Catalysis</i> , 2018, 1, 946-951.	34.4	354
11	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. <i>Nature Communications</i> , 2016, 7, 12920.	12.8	344
12	An Efficient CeO ₂ /CoSe ₂ Nanobelt Composite for Electrochemical Water Oxidation. <i>Small</i> , 2015, 11, 182-188.	10.0	325
13	A Janus Nickel Cobalt Phosphide Catalyst for High Efficiency Neutral pH Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15445-15449.	13.8	299
14	Highly crystalline PtCu nanotubes with three dimensional molecular accessible and restructured surface for efficient catalysis. <i>Energy and Environmental Science</i> , 2017, 10, 1751-1756.	30.8	195
15	Mixed-solution synthesis of sea urchin-like NiSe nanofiber assemblies as economical Pt-free catalysts for electrochemical H ₂ production. <i>Journal of Materials Chemistry</i> , 2012, 22, 13662.	6.7	185
16	Scalable Template Synthesis of Resorcinol-Formaldehyde/Graphene Oxide Composite Aerogels with Tunable Densities and Mechanical Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2397-2401.	13.8	168
17	Phase-Selective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7769-7773.	13.8	157
18	Mo ₂ C nanoparticles embedded within bacterial cellulose-derived 3D N-doped carbon nanofiber networks for efficient hydrogen evolution. <i>NPG Asia Materials</i> , 2016, 8, e288-e288.	7.9	153

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19	High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8706-8712.	13.8	145
20	Synthesis of Sub-2-nm Iron-Doped NiSe ₂ Nanowires and Their Surface-Confined Oxidation for Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4020-4024.	13.8	133
21	Pyrite-Type Nanomaterials for Advanced Electrocatalysis. <i>Accounts of Chemical Research</i> , 2017, 50, 2194-2204.	15.6	130
22	Cobalt diselenide nanobelts grafted on carbon fiber felt: an efficient and robust 3D cathode for hydrogen production. <i>Chemical Science</i> , 2015, 6, 4594-4598.	7.4	114
23	Monitoring oxygen production on mass-selected iridium-tantalum oxide electrocatalysts. <i>Nature Energy</i> , 2022, 7, 55-64.	39.5	108
24	Acid-Stable Oxides for Oxygen Electrocatalysis. <i>ACS Energy Letters</i> , 2020, 5, 2905-2908.	17.4	90
25	A Janus Nickel Cobalt Phosphide Catalyst for High-Efficiency Neutral-pH Water Splitting. <i>Angewandte Chemie</i> , 2018, 130, 15671-15675.	2.0	87
26	Polymorphic cobalt diselenide as extremely stable electrocatalyst in acidic media via a phase-mixing strategy. <i>Nature Communications</i> , 2019, 10, 5338.	12.8	65
27	Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H ₂ O ₂ under Acidic Conditions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26922-26931.	13.8	61
28	One-pot synthesis of hierarchical magnetite nanochain assemblies with complex building units and their application for water treatment. <i>Journal of Materials Chemistry</i> , 2011, 21, 16888.	6.7	55
29	An Efficient Turing-Type Ag ₂ Se-CoSe ₂ Multi-Interfacial Oxygen-Evolving Electrocatalyst**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6553-6560.	13.8	45
30	Completely Green Synthesis of Colloid Adams™ Catalyst Î±PtO ₂ Nanocrystals and Derivative Pt Nanocrystals with High Activity and Stability for Oxygen Reduction. <i>Chemistry - A European Journal</i> , 2012, 18, 8423-8429.	3.3	38
31	High-Curvature Transition-Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2020, 132, 8784-8790.	2.0	37
32	Self-Assembled Platinum Nanochain Networks Driven by Induced Magnetic Dipoles. <i>Advanced Functional Materials</i> , 2014, 24, 916-924.	14.9	35
33	Synthesis of Sub-2-nm Iron-Doped NiSe ₂ Nanowires and Their Surface-Confined Oxidation for Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 4084-4088.	2.0	33
34	Scalable Template Synthesis of Resorcinol-Formaldehyde/Graphene Oxide Composite Aerogels with Tunable Densities and Mechanical Properties. <i>Angewandte Chemie</i> , 2015, 127, 2427-2431.	2.0	27
35	Surface Charge Polarization at the Interface: Enhancing the Oxygen Reduction via Precise Synthesis of Heterogeneous Ultrathin Pt/PtTe Nanowire. <i>Chemistry of Materials</i> , 2016, 28, 8890-8898.	6.7	24
36	Phase-Selective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. <i>Angewandte Chemie</i> , 2017, 129, 7877-7881.	2.0	24

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37	Carbon-supported PtCo ₂ Ni ₂ alloy with enhanced activity and stability for oxygen reduction. Science China Materials, 2015, 58, 179-185.	6.3	17
38	Synthesis of PdS _x -Mediated Polydymite Heteronanorods and Their Long-Range Activation for Enhanced Water Electroreduction. Research, 2019, 2019, 8078549.	5.7	9
39	An Efficient Turing-Type Ag ₂ Se/CoSe ₂ Multi-Interfacial Oxygen-Evolving Electrocatalyst**. Angewandte Chemie, 2021, 133, 6627-6634.	2.0	7
40	Bio-Inspired Synthesis of Hematite Mesocrystals by Using Xonotlite Nanowires as Growth Modifiers and Their Improved Oxygen Evolution Activity. ChemSusChem, 2019, 12, 3747-3752.	6.8	6
41	Water Oxidation: An Efficient CeO ₂ /CoSe ₂ Nanobelt Composite for Electrochemical Water Oxidation (Small 2/2015). Small, 2015, 11, 260-260.	10.0	4
42	Strongly Coupled Cobalt Diselenide Monolayers Selectively Catalyze Oxygen Reduction to H ₂ O ₂ in an Acidic Environment. Angewandte Chemie, 0, , .	2.0	3
43	Frontispiece: Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H ₂ O ₂ under Acidic Conditions. Angewandte Chemie - International Edition, 2021, 60, .	13.8	2
44	Ferromagnetism: Self-Assembled Platinum Nanochain Networks Driven by Induced Magnetic Dipoles (Adv. Funct. Mater. 7/2014). Advanced Functional Materials, 2014, 24, 878-878.	14.9	1
45	InnenrÃ¼cktitelbild: A Janus Nickel Cobalt Phosphide Catalyst for High-Efficiency Neutral-pH Water Splitting (Angew. Chem. 47/2018). Angewandte Chemie, 2018, 130, 15833-15833.	2.0	1
46	Inside Cover: Completely Green Synthesis of Colloid Adams™ Catalyst ±Pt ₂ Nanocrystals and Derivative Pt Nanocrystals with High Activity and Stability for Oxygen Reduction (Chem. Eur. J.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		
47	RÃ¼cktitelbild: An Efficient Turing-Type Ag ₂ Se/CoSe ₂ Multi-Interfacial Oxygen-Evolving Electrocatalyst (Angew. Chem. 12/2021). Angewandte Chemie, 2021, 133, 6904-6904.	2.0	0
48	Frontispiz: Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H ₂ O ₂ under Acidic Conditions. Angewandte Chemie, 2021, 133, .	2.0	0