

Tang Tang

List of Publications by Year in descending order

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papers

3,818
citations

236925

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docs citations

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4567
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and Morphological Dual Modulation of Cobalt Carbonate Hydroxides by Mn Doping toward Highly Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. Journal of the American Chemical Society, 2017, 139, 8320-8328.	13.7	745
2	Se-Doping Activates FeOOH for Cost-Effective and Efficient Electrochemical Water Oxidation. Journal of the American Chemical Society, 2019, 141, 7005-7013.	13.7	460
3	Self-Templated Fabrication of $\text{MoNi}_4/\text{MoO}_3$ Nanorod Arrays with Dual Active Components for Highly Efficient Hydrogen Evolution. Advanced Materials, 2017, 29, 1703311.	21.0	437
4	Synergistic Modulation of Non-Precious-Metal Electrocatalysts for Advanced Water Splitting. Accounts of Chemical Research, 2020, 53, 1111-1123.	15.6	315
5	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni_3B for Efficient Water Oxidation. Angewandte Chemie - International Edition, 2017, 56, 6572-6577.	13.8	271
6	Autogenous Growth of Hierarchical $\text{NiFe}(\text{OH})_x/\text{FeS}$ Nanosheet-on-Microsheet Arrays for Synergistically Enhanced High-Output Water Oxidation. Advanced Functional Materials, 2019, 29, 1902180.	14.9	179
7	Metastable Rock Salt Oxide-Mediated Synthesis of High-Density Dual-Protected M@NC for Long-Life Rechargeable Zinc-Air Batteries with Record Power Density. Journal of the American Chemical Society, 2020, 142, 7116-7127.	13.7	147
8	When MoS_2 meets FeOOH : A "one-stone-two-birds" heterostructure as a bifunctional electrocatalyst for efficient alkaline water splitting. Applied Catalysis B: Environmental, 2019, 244, 1004-1012.	20.2	144
9	Self-Limited on-Site Conversion of MoO_3 Nanodots into Vertically Aligned Ultrasmall Monolayer MoS_2 for Efficient Hydrogen Evolution. Advanced Energy Materials, 2018, 8, 1800734.	19.5	112
10	Molecularly Engineered Strong Metal Oxide-Support Interaction Enables Highly Efficient and Stable CO_2 Electroreduction. ACS Catalysis, 2020, 10, 13227-13235.	11.2	94
11	Kinetically Controlled Coprecipitation for General Fast Synthesis of Sandwiched Metal Hydroxide Nanosheets/Graphene Composites toward Efficient Water Splitting. Advanced Functional Materials, 2018, 28, 1704594.	14.9	91
12	Facile and Scalable Synthesis of Robust $\text{Ni}(\text{OH})_2$ Nanoplate Arrays on NiAl Foil as Hierarchical Active Scaffold for Highly Efficient Overall Water Splitting. Advanced Science, 2017, 4, 1700084.	11.2	85
13	Self-terminated activation for high-yield production of N,P-codoped nanoporous carbon as an efficient metal-free electrocatalyst for Zn-air battery. Carbon, 2018, 128, 97-105.	10.3	69
14	Synergistic Electrocatalysts for Alkaline Hydrogen Oxidation and Evolution Reactions. Advanced Functional Materials, 2022, 32, 2107479.	14.9	66
15	Phosphorus-doping activates carbon nanotubes for efficient electroreduction of nitrogen to ammonia. Nano Research, 2020, 13, 1376-1382.	10.4	61
16	Advanced transition metal/nitrogen/carbon-based electrocatalysts for fuel cell applications. Science China Chemistry, 2020, 63, 1517-1542.	8.2	56
17	Engineering $\text{Mo}/\text{Mo}_2\text{C}/\text{MoC}$ hetero-interfaces for enhanced electrocatalytic nitrogen reduction. Journal of Materials Chemistry A, 2020, 8, 8920-8926.	10.3	54
18	Recent Advances on Nonprecious-Metal-Based Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries. Energy & Fuels, 2021, 35, 6380-6401.	5.1	48

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19	Confinement Strategies for Precise Synthesis of Efficient Electrocatalysts from the Macroscopic to the Atomic Level. <i>Accounts of Materials Research</i> , 2021, 2, 907-919.	11.7	46
20	Electrocatalytic Hydrogen Oxidation in Alkaline Media: From Mechanistic Insights to Catalyst Design. <i>ACS Nano</i> , 2022, 16, 5153-5183.	14.6	46
21	Fe-doped Co_3O_4 polycrystalline nanosheets as a binder-free bifunctional cathode for robust and efficient zinc-air batteries. <i>Chemical Communications</i> , 2020, 56, 5374-5377.	4.1	36
22	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni_3B for Efficient Water Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 6672-6677.	2.0	34
23	Integration of single Co atoms and Ru nanoclusters boosts the cathodic performance of nitrogen-doped 3D graphene in lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10747-10757.	10.3	31
24	Hetero-coupling of a carbonate hydroxide and sulfide for efficient and robust water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21959-21965.	10.3	28
25	Rationally Designed Three-Dimensional N-Doped Graphene Architecture Mounted with Ru Nanoclusters as a High-Performance Air Cathode for Lithium-Oxygen Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6109-6117.	6.7	28
26	Recent Progress in Proton-Exchange Membrane Fuel Cells Based on Metal-Nitrogen-Carbon Catalysts. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2020, .	4.9	21
27	Regulating the charge diffusion of two-dimensional cobalt-iron hydroxide/graphene composites for high-rate water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11573-11581.	10.3	18
28	Synthesis of periodic copolymers via ring-opening copolymerizations of cyclic anhydrides with tetrahydrofuran using nonafluorobutanesulfonimide as an organic catalyst and subsequent transformation to aliphatic polyesters. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3171-3183.	2.3	17
29	Regulating surface In-O in In@InO core-shell nanoparticles for boosting electrocatalytic CO_2 reduction to formate. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1674-1679.	14.0	17
30	Effects of andrographolide on renal tubulointerstitial injury and fibrosis. Evidence of its mechanism of action. <i>Phytomedicine</i> , 2021, 91, 153650.	5.3	16
31	Facile Synthesis of Mo_2C Nanocrystals Embedded in Nanoporous Carbon Network for Efficient Hydrogen Evolution. <i>Chinese Journal of Chemistry</i> , 2017, 35, 911-917.	4.9	12
32	Well-defined heteronuclear bimetallic atomic clusters: Emerging electrocatalysts. <i>Fundamental Research</i> , 2021, 1, 461-465.	3.3	10
33	Rational design of integrated electrodes for advancing high-rate alkaline electrolytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12764-12787.	10.3	10
34	Self-supported metal sulphide nanocrystals-assembled nanosheets on carbon paper as efficient counter electrodes for quantum-dot-sensitized solar cells. <i>Science China Chemistry</i> , 2018, 61, 1338-1344.	8.2	7
35	Molecular Linking Stabilizes Bi Nanoparticles for Efficient Electrochemical Carbon Dioxide Reduction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12699-12706.	3.1	6
36	Hydrogen Evolution: Self-Limited on-Site Conversion of MoO_3 Nanodots into Vertically Aligned Ultrasmall Monolayer MoS_2 for Efficient Hydrogen Evolution (<i>Adv. Energy Mater.</i> 21/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870098.	19.5	1