

Tang Tang

List of Publications by Year in descending order

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36
papers

3,818
citations

236612

25
h-index

344852

36
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all docs

36
docs citations

36
times ranked

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. <i>Journal of the American Chemical Society</i> , 2017, 139, 8320-8328.	6.6	745
2	Se-Doping Activates FeOOH for Cost-Effective and Efficient Electrochemical Water Oxidation. <i>Journal of the American Chemical Society</i> , 2019, 141, 7005-7013.	6.6	460
3	Self-Templated Fabrication of MoNi ₄ /MoO ₃ Nanorod Arrays with Dual Active Components for Highly Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1703311.	11.1	437
4	Synergistic Modulation of Non-Precious-Metal Electrocatalysts for Advanced Water Splitting. <i>Accounts of Chemical Research</i> , 2020, 53, 1111-1123.	7.6	315
5	Crystallinity-Modulated Electrocatalytic Activity of a Nickel(II) Borate Thin Layer on Ni ₃ B for Efficient Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6572-6577.	7.2	271
6	Autogenous Growth of Hierarchical NiFe(OH) _x /FeS Nanosheet-on-Microsheet Arrays for Synergistically Enhanced High-Output Water Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1902180.	7.8	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. <i>Journal of the American Chemical Society</i> , 2020, 142, 7116-7127.	6.6	147
8	When MoS ₂ meets FeOOH: A "one-stone-two-birds" heterostructure as a bifunctional electrocatalyst for efficient alkaline water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 1004-1012.	10.8	144
9	Self-Limited on-Site Conversion of MoO ₃ Nanodots into Vertically Aligned Ultrasmall Monolayer MoS ₂ for Efficient Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2018, 8, 1800734.	10.2	112
10	Molecularly Engineered Strong Metal Oxide-Support Interaction Enables Highly Efficient and Stable CO ₂ Electroreduction. <i>ACS Catalysis</i> , 2020, 10, 13227-13235.	5.5	94
11	Kinetically Controlled Coprecipitation for General Fast Synthesis of Sandwiched Metal Hydroxide Nanosheets/Graphene Composites toward Efficient Water Splitting. <i>Advanced Functional Materials</i> , 2018, 28, 1704594.	7.8	91
12	Facile and Scalable Synthesis of Robust Ni(OH) ₂ Nanoplate Arrays on NiAl Foil as Hierarchical Active Scaffold for Highly Efficient Overall Water Splitting. <i>Advanced Science</i> , 2017, 4, 1700084.	5.6	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. <i>Carbon</i> , 2018, 128, 97-105.	5.4	69
14	Synergistic Electrocatalysts for Alkaline Hydrogen Oxidation and Evolution Reactions. <i>Advanced Functional Materials</i> , 2022, 32, 2107479.	7.8	66
15	Phosphorus-doping activates carbon nanotubes for efficient electroreduction of nitrogen to ammonia. <i>Nano Research</i> , 2020, 13, 1376-1382.	5.8	61
16	Advanced transition metal/nitrogen/carbon-based electrocatalysts for fuel cell applications. <i>Science China Chemistry</i> , 2020, 63, 1517-1542.	4.2	56
17	Engineering Mo/Mo ₂ C/MoC hetero-interfaces for enhanced electrocatalytic nitrogen reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8920-8926.	5.2	54
18	Recent Advances on Nonprecious-Metal-Based Bifunctional Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Energy & Fuels</i> , 2021, 35, 6380-6401.	2.5	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.	5.9	46
20	Electrocatalytic Hydrogen Oxidation in Alkaline Media: From Mechanistic Insights to Catalyst Design. <i>ACS Nano</i> , 2022, 16, 5153-5183.	7.3	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.	2.2	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.	1.6	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.	5.2	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.	5.2	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.	3.2	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, .	2.2	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.	5.2	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.	2.5	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.	6.9	17
30	Effects of andrographolide on renal tubulointerstitial injury and fibrosis. Evidence of its mechanism of action. <i>Phytomedicine</i> , 2021, 91, 153650.	2.3	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.	2.6	12
32	Well-defined heteronuclear bimetallic atomic clusters: Emerging electrocatalysts. <i>Fundamental Research</i> , 2021, 1, 461-465.	1.6	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.	5.2	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.	4.2	7
35	Molecular Linking Stabilizes Bi Nanoparticles for Efficient Electrochemical Carbon Dioxide Reduction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12699-12706.	1.5	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.	10.2	1