

Hehe Wei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28
papers

1,086
citations

17
h-index

30
g-index

30
ext. papers

1,401
ext. citations

9.2
avg, IF

4.43
L-index

#	Paper	IF	Citations
28	NiPS3 quantum sheets modified nitrogen-doped mesoporous carbon with boosted bifunctional oxygen electrocatalytic performance. <i>Journal of Materials Science and Technology</i> , 2021 , 65, 1-6	9.1	17
27	Black ZrO ₂ synthesized by molten lithium reduction strategy for photocatalytic hydrogen generation. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4035-4042	3.8	8
26	Rapid Thermal Annealing toward High-Quality 2D Cobalt Fluoride Oxide as an Advanced Oxygen Evolution Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6905-6913	8.3	30
25	Atomic species derived CoO _x clusters on nitrogen doped mesoporous carbon as advanced bifunctional electro-catalysts for Zn-air battery. <i>Energy Storage Materials</i> , 2020 , 29, 156-162	19.4	32
24	Two-dimensional MOF/MOF derivative arrays on nickel foam as efficient bifunctional coupled oxygen electrodes. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1754-1760	11.3	41
23	Direct immobilization of an atomically dispersed Pt catalyst by suppressing heterogeneous nucleation at 40 °C. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25779-25784	13	47
22	-60 °C solution synthesis of atomically dispersed cobalt electrocatalyst with superior performance. <i>Nature Communications</i> , 2019 , 10, 606	17.4	87
21	Ultralow-temperature photochemical synthesis of atomically dispersed Pt catalysts for the hydrogen evolution reaction. <i>Chemical Science</i> , 2019 , 10, 2830-2836	9.4	58
20	Room temperature Mg reduction of TiO ₂ : formation mechanism and application in photocatalysis. <i>Chemical Communications</i> , 2019 , 55, 7675-7678	5.8	9
19	Large Piezoelectric Strain in Sub-10 Nanometer Two-Dimensional Polyvinylidene Fluoride Nanoflakes. <i>ACS Nano</i> , 2019 , 13, 4496-4506	16.7	26
18	Oxygen-deficient metal oxides: Synthesis routes and applications in energy and environment. <i>Nano Research</i> , 2019 , 12, 2150-2163	10	51
17	Ice as Solid Electrolyte To Conduct Various Kinds of Ions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12569-12573	16.4	24
16	Ice as Solid Electrolyte To Conduct Various Kinds of Ions. <i>Angewandte Chemie</i> , 2019 , 131, 12699-12703	3.6	6
15	Boosting the Electrocatalytic Water Oxidation Performance of CoFeO Nanoparticles by Surface Defect Engineering. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3978-3983	9.5	52
14	Rational Design of Ultrasmall Au Nanoparticles on Fe via Galvanic Replacement Under 80 °C for Efficient Methanol Oxidation Reaction Catalyst. <i>ACS Applied Energy Materials</i> , 2019 , 2, 468-476	6.1	1
13	Surface Engineering of Perovskite Oxide for Bifunctional Oxygen Electrocatalysis. <i>Small Methods</i> , 2019 , 3, 1800279	12.8	23
12	Innenrücktitelbild: Ice Melting to Release Reactants in Solution Syntheses (Angew. Chem. 13/2018). <i>Angewandte Chemie</i> , 2018 , 130, 3579-3579	3.6	0

11	Ice Melting to Release Reactants in Solution Syntheses. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3354-3359	16.4	24
10	Ice Melting to Release Reactants in Solution Syntheses. <i>Angewandte Chemie</i> , 2018 , 130, 3412-3417	3.6	8
9	Copper reduced defective TiO ₂ nanoparticles with enhanced visible light photocatalytic activity. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 4857-4863	3.8	4
8	Defective molybdenum sulfide quantum dots as highly active hydrogen evolution electrocatalysts. <i>Nano Research</i> , 2018 , 11, 751-761	10	60
7	Defects enhanced photocatalytic performances in SrTiO ₃ using laser-melting treatment. <i>Journal of Materials Research</i> , 2017 , 32, 748-756	2.5	20
6	A facile fabrication method for ultrathin NiO/Ni nanosheets as a high-performance electrocatalyst for the oxygen evolution reaction. <i>RSC Advances</i> , 2017 , 7, 18539-18544	3.7	9
5	Direct Blow-Spinning of Nanofibers on a Window Screen for Highly Efficient PM Removal. <i>Nano Letters</i> , 2017 , 17, 1140-1148	11.5	187
4	Defective MoS ₂ electrocatalyst for highly efficient hydrogen evolution through a simple ball-milling method. <i>Science China Materials</i> , 2017 , 60, 849-856	7.1	17
3	Iced photochemical reduction to synthesize atomically dispersed metals by suppressing nanocrystal growth. <i>Nature Communications</i> , 2017 , 8, 1490	17.4	219
2	Aerodynamic levitated laser annealing method to defective titanium dioxide with enhanced photocatalytic performance. <i>Nano Research</i> , 2016 , 9, 3839-3847	10	7
1	Enhanced Electrocatalytic Activity for Water Splitting on NiO/Ni/Carbon Fiber Paper. <i>Materials</i> , 2016 , 10,	3.5	19