Chengzhang Wan

List of Publications by Year
in descending order

23	4,871	471371 17	713332 21
papers	citations	h-index	g-index

24	24	24	6662
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noble Metal Based Electrocatalysts for Alcohol Oxidation Reactions in Alkaline Media. Advanced Functional Materials, 2022, 32, .	7.8	70
2	Highly stretchable van der Waals thin films for adaptable and breathable electronic membranes. Science, 2022, 375, 852-859.	6.0	96
3	Experimental Sabatier plot for predictive design of active and stable Pt-alloy oxygen reduction reaction catalysts. Nature Catalysis, 2022, 5, 513-523.	16.1	57
4	Autobifunctional Mechanism of Jagged Pt Nanowires for Hydrogen Evolution Kinetics via End-to-End Simulation. Journal of the American Chemical Society, 2021, 143, 5355-5363.	6.6	33
5	Tailoring the Pt Surface Oxophilicity Via Single-Atom Rh Doping for Boosting Hydrogen Oxidation/Evolution Reaction in Alkaline Electrolyte. ECS Meeting Abstracts, 2021, MA2021-01, 1233-1233.	0.0	0
6	High-yield exfoliation of 2D semiconductor monolayers and reassembly of organic/inorganic artificial superlattices. CheM, 2021, 7, 1887-1902.	5.8	36
7	Valence oscillation and dynamic active sites in monolayer NiCo hydroxides for water oxidation. Nature Catalysis, 2021, 4, 1050-1058.	16.1	272
8	Single Atoms at Crystal Ladder Steps. CheM, 2020, 6, 3169-3171.	5.8	0
9	A fundamental look at electrocatalytic sulfur reduction reaction. Nature Catalysis, 2020, 3, 762-770.	16.1	455
10	Molecular Design of Singleâ€Atom Catalysts for Oxygen Reduction Reaction. Advanced Energy Materials, 2020, 10, 1903815.	10.2	295
11	Pt3Ag alloy wavy nanowires as highly effective electrocatalysts for ethanol oxidation reaction. Nano Research, 2020, 13, 1472-1478.	5.8	58
12	Hierarchical Porous Carbon Derived from Covalent Triazine Frameworks for High Mass Loading Supercapacitors. , 2019, 1, 320-326.		29
13	PtCuNi Tetrahedra Catalysts with Tailored Surfaces for Efficient Alcohol Oxidation. Nano Letters, 2019, 19, 5431-5436.	4.5	93
14	Microwave Shock Synthesis beyond Thermodynamic Equilibrium. Matter, 2019, 1, 555-557.	5.0	6
15	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. Nature Catalysis, 2019, 2, 495-503.	16.1	464
16	Double-negative-index ceramic aerogels for thermal superinsulation. Science, 2019, 363, 723-727.	6.0	429
17	Ultrathin wavy Rh nanowires as highly effective electrocatalysts for methanol oxidation reaction with ultrahigh ECSA. Nano Research, 2019, 12, 211-215.	5.8	66
18	General synthesis and definitive structural identification of MN4C4 single-atom catalysts with tunable electrocatalytic activities. Nature Catalysis, 2018, 1, 63-72.	16.1	1,476

#	Article	IF	Citations
19	Solution-processable 2D semiconductors for high-performance large-area electronics. Nature, 2018, 562, 254-258.	13.7	644
20	Microwaveâ€Assisted Rapid Synthesis of Grapheneâ€Supported Single Atomic Metals. Advanced Materials, 2018, 30, e1802146.	11.1	244
21	Facile synthesis of phthalocyanine at low temperature with diisopropylamide anion as nucleophile. Tetrahedron Letters, 2015, 56, 4459-4462.	0.7	10
22	Electrochromic properties of novel octa-pinene substituted double-decker Ln(<scp>iii</scp>) (Ln = Eu,) Tj ETQq0 0 0 rgBT /Overlock 10 T 3072-3080.	2.7	29
23	Synthesis and ferroelectric properties of platinum(II) complexes with chiral isoxazoline ligand. Polyhedron, 2013, 60, 85-92.	1.0	7