

Chengzhang Wan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

4,871
citations

471371

17
h-index

713332

21
g-index

24
all docs

24
docs citations

24
times ranked

6662
citing authors

#	ARTICLE	IF	CITATIONS
1	General synthesis and definitive structural identification of MN ₄ C ₄ single-atom catalysts with tunable electrocatalytic activities. <i>Nature Catalysis</i> , 2018, 1, 63-72.	16.1	1,476
2	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018, 562, 254-258.	13.7	644
3	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019, 2, 495-503.	16.1	464
4	A fundamental look at electrocatalytic sulfur reduction reaction. <i>Nature Catalysis</i> , 2020, 3, 762-770.	16.1	455
5	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019, 363, 723-727.	6.0	429
6	Molecular Design of Single-Atom Catalysts for Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , 2020, 10, 1903815.	10.2	295
7	Valence oscillation and dynamic active sites in monolayer NiCo hydroxides for water oxidation. <i>Nature Catalysis</i> , 2021, 4, 1050-1058.	16.1	272
8	Microwave-Assisted Rapid Synthesis of Graphene-Supported Single Atomic Metals. <i>Advanced Materials</i> , 2018, 30, e1802146.	11.1	244
9	Highly stretchable van der Waals thin films for adaptable and breathable electronic membranes. <i>Science</i> , 2022, 375, 852-859.	6.0	96
10	PtCuNi Tetrahedra Catalysts with Tailored Surfaces for Efficient Alcohol Oxidation. <i>Nano Letters</i> , 2019, 19, 5431-5436.	4.5	93
11	Noble Metal Based Electrocatalysts for Alcohol Oxidation Reactions in Alkaline Media. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	70
12	Ultrathin wavy Rh nanowires as highly effective electrocatalysts for methanol oxidation reaction with ultrahigh ECSA. <i>Nano Research</i> , 2019, 12, 211-215.	5.8	66
13	Pt ₃ Ag alloy wavy nanowires as highly effective electrocatalysts for ethanol oxidation reaction. <i>Nano Research</i> , 2020, 13, 1472-1478.	5.8	58
14	Experimental Sabatier plot for predictive design of active and stable Pt-alloy oxygen reduction reaction catalysts. <i>Nature Catalysis</i> , 2022, 5, 513-523.	16.1	57
15	High-yield exfoliation of 2D semiconductor monolayers and reassembly of organic/inorganic artificial superlattices. <i>CheM</i> , 2021, 7, 1887-1902.	5.8	36
16	Autobifunctional Mechanism of Jagged Pt Nanowires for Hydrogen Evolution Kinetics via End-to-End Simulation. <i>Journal of the American Chemical Society</i> , 2021, 143, 5355-5363.	6.6	33
17	Electrochromic properties of novel octa-pinene substituted double-decker Ln($\text{Ln} = \text{Eu}$) Tj ETQq1 1 0.784314 rgBT /Over 3072-3080.	2.7	29
18	Hierarchical Porous Carbon Derived from Covalent Triazine Frameworks for High Mass Loading Supercapacitors. , 2019, 1, 320-326.		29

#	ARTICLE	IF	CITATIONS
19	Facile synthesis of phthalocyanine at low temperature with diisopropylamide anion as nucleophile. <i>Tetrahedron Letters</i> , 2015, 56, 4459-4462.	0.7	10
20	Synthesis and ferroelectric properties of platinum(II) complexes with chiral isoxazoline ligand. <i>Polyhedron</i> , 2013, 60, 85-92.	1.0	7
21	Microwave Shock Synthesis beyond Thermodynamic Equilibrium. <i>Matter</i> , 2019, 1, 555-557.	5.0	6
22	Single Atoms at Crystal Ladder Steps. <i>CheM</i> , 2020, 6, 3169-3171.	5.8	0
23	Tailoring the Pt Surface Oxophilicity Via Single-Atom Rh Doping for Boosting Hydrogen Oxidation/Evolution Reaction in Alkaline Electrolyte. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 1233-1233.	0.0	0