Ding Yi

List of Publications by Year
in descending order

22 papers	589 citations	687363 13 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	816 citing authors

#	Article	IF	Citations
1	Clarifying the controversial catalytic active sites of Co₃O₄ for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 23191-23198.	10.3	115
2	Multiscale Buffering Engineering in Siliconâ€“Carbon Anode for Ultrastable Li-Ion Storage. ACS Nano, 2019, 13, 10179-10190.	14.6	73
3	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	10.3	64
4	Engineering Platinumâ€“Oxygen Dual Catalytic Sites via Charge Transfer towards Highly Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2020, 59, 17712-17718.	13.8	53
5	Regulating Charge Transfer of Lattice Oxygen in Singleâ€Atomâ€Doped Titania for Hydrogen Evolution. Angewandte Chemie - International Edition, 2020, 59, 15855-15859.	13.8	44
6	Stability of hydrogenated graphene: a first-principles study. RSC Advances, 2015, 5, 20617-20622.	3.6	31
7	Modulating 3d Orbitals of Ni Atoms on Niâ€Pt Edge Sites Enables Highlyâ€Efficient Alkaline Hydrogen Evolution. Advanced Energy Materials, 2021, 11, 2101789.	19.5	30
8	Engineering Platinumâ€“Oxygen Dual Catalytic Sites via Charge Transfer towards Highly Efficient Hydrogen Evolution. Angewandte Chemie, 2020, 132, 17865-17871.	2.0	24
9	sp²/sp³ Hybridized Carbon as an Anode with Extra Li-Ion Storage Capacity: Construction and Origin. ACS Central Science, 2020, 6, 1451-1459.	11.3	22
10	Manganese Doping in Cobalt Oxide Nanorods Promotes Catalytic Dehydrogenation. ACS Sustainable Chemistry and Engineering, 2020, 8, 5734-5741.	6.7	19
11	Revealing the Role of d Orbitals of Transition-Metal-Doped Titanium Oxide on High-Efficient Oxygen Reduction. CCS Chemistry, 2021, 3, 180-188.	7.8	18
12	Understanding and Modifying the Scaling Relations for Ammonia Synthesis on Dilute Metal Alloys: From Single-Atom Alloys to Dimer Alloys. ACS Catalysis, 2022, 12, 9201-9212.	11.2	18
13	Recent Advances in Atomic-scale Storage Mechanism Studies of Two-dimensional Nanomaterials for Rechargeable Batteries Beyond Li-ion. Chemical Research in Chinese Universities, 2020, 36, 560-583.	2.6	14
14	Engineering Electronic Structure of Single-Atom Pd Site on Ti 0.87 O 2 Nanosheet via Charge Transfer Enables Câ€“Br Cleavage for Room-Temperature Suzuki Coupling. CCS Chemistry, 2021, 3, 1453-1462.	7.8	12
15	Orbital-scale understanding on high-selective hydrogenation of acetylene over Pt1-Cu(1 1 1) catalyst. Chemical Engineering Science, 2021, 240, 116664.	3.8	12
16	Regulating Charge Transfer of Lattice Oxygen in Singleâ€Atomâ€Doped Titania for Hydrogen Evolution. Angewandte Chemie, 2020, 132, 15989-15993.	2.0	10
17	Vertical-strain-induced spin-splitting in zigzag graphene nanoribbons. Nanoscale, 2013, 5, 9118.	5.6	8
18	Stable AA-Stacked Pt Nanoclusters Supported on Graphene/Ru(0001) and the Selective Catalysis: A Theoretical Study. ACS Applied Nano Materials, 2019, 2, 2921-2925.	5.0	7

#	Article	IF	Citations
19	Carbon-rehybridization-induced templated growth of metal nanoclusters on graphene moirÃ© patterns. Carbon, 2022, 192, 295-300.	10.3	6
20	Riemannian Surface on Carbon Anodes Enables Li-Ion Storage at â˜’35 Â°C. ACS Central Science, 2022, 8, 905-914.	11.3	5
21	Engineering Tetrahedral Co²⁺-Exposed Co₃O₄ Nanosheets toward Highly Efficient Styrene Epoxidation. Industrial & Engineering Chemistry Research, 2021, 60, 15106-15114.	3.7	4
22	Self-inhibition effect of metal incorporation in nanoscaled semiconductors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	0