Qichen Wang

List of Publications by Year
in descending order

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24 papers	3,561 citations	279701 23 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	4405 citing authors

#	Article	IF	Citations
1	Pyridinic-N-Dominated Doped Defective Graphene as a Superior Oxygen Electrocatalyst for Ultrahigh-Energy-Density Znâ€“Air Batteries. ACS Energy Letters, 2018, 3, 1183-1191.	8.8	456
2	Defect engineering in earth-abundant electrocatalysts for CO₂ and N₂ reduction. Energy and Environmental Science, 2019, 12, 1730-1750.	15.6	439
3	Metal Organic Framework-Templated Synthesis of Bimetallic Selenides with Rich Phase Boundaries for Sodium-Ion Storage and Oxygen Evolution Reaction. ACS Nano, 2019, 13, 5635-5645.	7.3	400
4	Fe/Fe₃C@C nanoparticles encapsulated in N-doped grapheneâ€“CNTs framework as an efficient bifunctional oxygen electrocatalyst for robust rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2018, 6, 516-526.	5.2	366
5	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2020, 59, 1295-1301.	7.2	344
6	Atomic-scale engineering of chemical-vapor-deposition-grown 2D transition metal dichalcogenides for electrocatalysis. Energy and Environmental Science, 2020, 13, 1593-1616.	15.6	166
7	Confining ultrasmall bimetallic alloys in porous Nâ€“carbon for use as scalable and sustainable electrocatalysts for rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 12451-12456.	5.2	128
8	Quasi-solid-state Zn-air batteries with an atomically dispersed cobalt electrocatalyst and organohydrogel electrolyte. Nature Communications, 2022, 13, .	5.8	127
9	N-doped defective carbon with trace Co for efficient rechargeable liquid electrolyte-/all-solid-state Zn-air batteries. Science Bulletin, 2018, 63, 548-555.	4.3	117
10	Electrospun Inorganic Nanofibers for Oxygen Electrocatalysis: Design, Fabrication, and Progress. Advanced Energy Materials, 2020, 10, 1902115.	10.2	111
11	Edge Defect Engineering of Nitrogen-Doped Carbon for Oxygen Electrocatalysts in Znâ€“Air Batteries. ACS Applied Materials & Interfaces, 2018, 10, 29448-29456.	4.0	110
12	One-stone, two birds: Alloying effect and surface defects induced by Pt on Cu2â^'xSe nanowires to boost C-C bond cleavage for electrocatalytic ethanol oxidation. Nano Energy, 2021, 88, 106307.	8.2	99
13	Engineering of Electronic States on Co₃O₄ Ultrathin Nanosheets by Cation Substitution and Anion Vacancies for Oxygen Evolution Reaction. Small, 2020, 16, e2001571.	5.2	98
14	Facile synthesis of FeCo@NC coreâ€“shell nanospheres supported on graphene as an efficient bifunctional oxygen electrocatalyst. Nano Research, 2017, 10, 2332-2343.	5.8	85
15	Carbon nanotube-encapsulated cobalt for oxygen reduction: integration of space confinement and N-doping. Chemical Communications, 2019, 55, 14801-14804.	2.2	85
16	Trimetallic oxyhydroxides as active sites for large-current-density alkaline oxygen evolution and overall water splitting. Journal of Materials Science and Technology, 2022, 110, 128-135.	5.6	81
17	Combined Electron and Structure Manipulation on Fe-Containing N-Doped Carbon Nanotubes To Boost Bifunctional Oxygen Electrocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 35888-35895.	4.0	77
18	Potential active sites of Mo single atoms for electrocatalytic reduction of N2. Chinese Chemical Letters, 2021, 32, 53-56.	4.8	66

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19	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie, 2020, 132, 1311-1317.	1.6	59
20	Phosphating-induced charge transfer on CoO/CoP interface for alkaline H2 evolution. Chinese Chemical Letters, 2021, 32, 3355-3358.	4.8	45
21	Nâ€Doped 3D Carbon Aerogel with Trace Fe as an Efficient Catalyst for the Oxygen Reduction Reaction. ChemElectroChem, 2017, 4, 514-520.	1.7	43
22	TpyCo²⁺â€Based Coordination Polymers by Waterâ€Induced Gelling Trigged Efficient Oxygen Evolution Reaction. Advanced Functional Materials, 2020, 30, 2000593.	7.8	31
23	Sublayer-enhanced atomic sites of single atom catalysts through in situ atomization of metal oxide nanoparticles. Energy and Environmental Science, 2022, 15, 1183-1191.	15.6	25
24	Multi-TpyCo²⁺-based conductive supramolecular hydrogels constructed by â€œbridge bondâ€• for ultrastable rechargeable Zn-air battery over 1100 h. Journal of Materials Chemistry A, 0, , .	5.2	3