

Zengxi Wei

List of Publications by Year in descending order

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37
papers

4,462
citations

147566

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h-index

329751

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docs citations

37
times ranked

6188
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-based single atom catalysts for high-performance electrochemical production of hydrogen peroxide. <i>Chemical Engineering Journal</i> , 2022, 428, 131112.	6.6	29
2	Low-coordinated Co ₂ Ni ₂ C on Oxygenated Graphene for Efficient Electrocatalytic H ₂ O ₂ Production. <i>Advanced Functional Materials</i> , 2022, 32, 2106886.	7.8	97
3	Engineering the Morphology and Microenvironment of a Graphene-supported Co Single-Atom Electrocatalyst for Enhanced Hydrogen Evolution. <i>Small</i> , 2022, 18, e2201139.	5.2	36
4	Fe, V-co-doped C ₂ N for electrocatalytic N ₂ -to-NH ₃ conversion. <i>Journal of Energy Chemistry</i> , 2021, 53, 303-308.	7.1	55
5	2021 Roadmap: electrocatalysts for green catalytic processes. <i>JPhys Materials</i> , 2021, 4, 022004.	1.8	57
6	Coupling Glucose-Assisted Cu(I)/Cu(II) Redox with Electrochemical Hydrogen Production. <i>Advanced Materials</i> , 2021, 33, e2104791.	11.1	126
7	Precise tuning of heteroatom positions in polycyclic aromatic hydrocarbons for electrocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 623-629.	5.0	4
8	Co-doped graphene edge for enhanced N ₂ -to-NH ₃ conversion. <i>Journal of Energy Chemistry</i> , 2020, 48, 322-327.	7.1	40
9	Metal oxide/graphene composite anode materials for sodium-ion batteries. <i>Energy Storage Materials</i> , 2019, 16, 434-454.	9.5	156
10	Zn-Doped Cu(100) facet with efficient catalytic ability for the CO ₂ electroreduction to ethylene. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21341-21348.	1.3	25
11	Porous Nb ₄ N ₅ /rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24114-24121.	4.0	31
12	Electron distribution tuning of fluorine-doped carbon for ammonia electrosynthesis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16979-16983.	5.2	46
13	Enhanced open-circuit photovoltage and charge collection realized in pearl-like NiO/CuO composite nanowires based p-type dye sensitized solar cells. <i>Materials Research Bulletin</i> , 2019, 116, 131-136.	2.7	26
14	Transition Metal-dinitrogen Complex Embedded Graphene for Nitrogen Reduction Reaction. <i>ChemCatChem</i> , 2019, 11, 2821-2827.	1.8	68
15	Sodium-based batteries: from critical materials to battery systems. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9406-9431.	5.2	199
16	2020 roadmap on pore materials for energy and environmental applications. <i>Chinese Chemical Letters</i> , 2019, 30, 2110-2122.	4.8	75
17	Electrochemical CO ₂ reduction over nitrogen-doped SnO ₂ crystal surfaces. <i>Journal of Energy Chemistry</i> , 2019, 33, 22-30.	7.1	38
18	Molybdenum and tungsten chalcogenides for lithium/sodium-ion batteries: Beyond MoS ₂ . <i>Journal of Energy Chemistry</i> , 2019, 33, 100-124.	7.1	174

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19	A cathode for Li-ion batteries made of vanadium oxide on vertically aligned carbon nanotube arrays/graphene foam. <i>Chemical Engineering Journal</i> , 2019, 359, 1668-1676.	6.6	25
20	Strain engineering the D-band center for Janus MoSSe edge: Nitrogen fixation. <i>Journal of Energy Chemistry</i> , 2019, 33, 155-159.	7.1	32
21	Robust pseudo-capacitive Li-I2 battery enabled by catalytic, adsorptive N-doped graphene interlayer. <i>Energy Storage Materials</i> , 2018, 14, 129-135.	9.5	67
22	Nitrogen, Fluorine, and Boron Ternary Doped Carbon Fibers as Cathode Electrocatalysts for Zinc-Air Batteries. <i>Small</i> , 2018, 14, e1800737.	5.2	159
23	Research progress on vanadium-based cathode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8815-8838.	5.2	161
24	Oxygen-deficient anatase TiO ₂ @C nanospindles with pseudocapacitive contribution for enhancing lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4013-4022.	5.2	206
25	Ternary doped porous carbon nanofibers with excellent ORR and OER performance for zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10918-10925.	5.2	199
26	Three-dimensional carbon frameworks enabling MoS ₂ as anode for dual ion batteries with superior sodium storage properties. <i>Energy Storage Materials</i> , 2018, 15, 22-30.	9.5	125
27	Quasi-reversible conversion reaction of CoSe ₂ /nitrogen-doped carbon nanofibers towards long-lifetime anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7088-7098.	5.2	117
28	Growth of SnO ₂ Nanoflowers on N-doped Carbon Nanofibers as Anode for Li- and Na-ion Batteries. <i>Nano-Micro Letters</i> , 2018, 10, 21.	14.4	141
29	Bioinspired Micro/Nanofluidic Ion Transport Channels for Organic Cathodes in High-Rate and Ultrastable Lithium/Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804629.	7.8	69
30	Controlling the morphology, size and phase of Nb ₂ O ₅ crystals for high electrochemical performance. <i>Chinese Chemical Letters</i> , 2018, 29, 1785-1790.	4.8	56
31	Layered tin sulfide and selenide anode materials for Li- and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12185-12214.	5.2	245
32	Boron-Doped Graphene for Electrocatalytic N ₂ Reduction. <i>Joule</i> , 2018, 2, 1610-1622.	11.7	774
33	Vacancy-induced sodium-ion storage in N-doped carbon Nanofiber@MoS ₂ nanosheet arrays. <i>Electrochimica Acta</i> , 2018, 285, 301-308.	2.6	111
34	Fe-doped phosphorene for the nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13790-13796.	5.2	144
35	Recent Progress in Graphite Intercalation Compounds for Rechargeable Metal (Li, Na, K, Al)-Ion Batteries. <i>Advanced Science</i> , 2017, 4, 1700146.	5.6	390
36	Atomically Thin Transition-Metal Dichalcogenides for Electrocatalysis and Energy Storage. <i>Small Methods</i> , 2017, 1, 1700156.	4.6	98

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37	Chevrel Phase Mo_6T_8 (T = S, Se) as Electrodes for Advanced Energy Storage. Small, 2017, 13, 1701441.	5.2	61