

Wenjie Zang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,158
citations

159585

30
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265206

42
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all docs

42
docs citations

42
times ranked

4948
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals, On-Going Advances and Challenges of Electrochemical Carbon Dioxide Reduction. <i>Electrochemical Energy Reviews</i> , 2022, 5, 82-111.	25.5	17
2	Nanoframes of Co ₃ O ₄ @Mo ₂ N Heterointerfaces Enable High-Performance Bifunctionality toward Both Electrocatalytic HER and OER. <i>Advanced Functional Materials</i> , 2022, 32, 2107382.	14.9	153
3	Efficient Hydrogen Evolution of Oxidized Ni ₃ Defective Sites for Alkaline Freshwater and Seawater Electrolysis. <i>Advanced Materials</i> , 2021, 33, e2003846.	21.0	198
4	Size-Dependent Activity and Selectivity of Atomic-Level Copper Nanoclusters during CO/CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2021, 133, 470-476.	2.0	16
5	Size-Dependent Activity and Selectivity of Atomic-Level Copper Nanoclusters during CO/CO ₂ Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 466-472.	13.8	130
6	Engineering the Coordination Environment of Single Cobalt Atoms for Efficient Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Catalysis</i> , 2021, 11, 4498-4509.	11.2	94
7	Dynamic Surface Chemistry of Catalysts in Oxygen Evolution Reaction. <i>Small Science</i> , 2021, 1, 2100011.	9.9	59
8	Quasi-Paired Pt Atomic Sites on Mo ₂ C Promoting Selective Four-Electron Oxygen Reduction. <i>Advanced Science</i> , 2021, 8, e2101344.	11.2	29
9	In-situ formation of isolated iron sites coordinated on nitrogen-doped carbon coated carbon cloth as self-supporting electrode for flexible aluminum-air battery. <i>Chemical Engineering Journal</i> , 2021, 421, 129973.	12.7	21
10	Hollow structure engineering of FeCo alloy nanoparticles electrospun in nitrogen-doped carbon enables high performance flexible all-solid-state zinc-air batteries. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1747-1753.	4.9	36
11	Cage-confinement pyrolysis route to size-controlled molybdenum-based oxygen electrode catalysts: From isolated atoms to clusters and nanoparticles. <i>Nano Energy</i> , 2020, 67, 104288.	16.0	93
12	A sacrificial Zn strategy enables anchoring of metal single atoms on the exposed surface of holey 2D molybdenum carbide nanosheets for efficient electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3071-3082.	10.3	48
13	Synergizing in-grown Ni ₃ N/Ni heterostructured core and ultrathin Ni ₃ N surface shell enables self-adaptive surface reconfiguration and efficient oxygen evolution reaction. <i>Nano Energy</i> , 2020, 78, 105355.	16.0	126
14	Trimetal atoms confined in openly accessible nitrogen-doped carbon constructs for an efficient ORR. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17266-17275.	10.3	32
15	Porous NiCo ₂ S ₄ /FeOOH nanowire arrays with rich sulfide/hydroxide interfaces enable high OER activity. <i>Nano Energy</i> , 2020, 78, 105230.	16.0	121
16	Surface engineered alumina microfiltration membranes based on rationally constructed core-shell particles. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5951-5958.	5.7	20
17	Synergizing Mo Single Atoms and Mo ₂ C Nanoparticles on CNTs Synchronizes Selectivity and Activity of Electrocatalytic N ₂ Reduction to Ammonia. <i>Advanced Materials</i> , 2020, 32, e2002177.	21.0	190
18	Single atom catalysts: a surface heterocompound perspective. <i>Nanoscale Horizons</i> , 2020, 5, 757-764.	8.0	39

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19	Single Atom Electrocatalysis: Heterogeneous Single Atom Electrocatalysis, Where $\text{Co}^{\text{Single}}$ Are $\text{Co}^{\text{Married}}$. (Adv. Energy Mater. 9/2020). Advanced Energy Materials, 2020, 10, 2070037.	19.5	5
20	Heterogeneous Single Atom Electrocatalysis, Where $\text{Co}^{\text{Single}}$ Are $\text{Co}^{\text{Married}}$. Advanced Energy Materials, 2020, 10, 1903181.	19.5	113
21	Assembling of Bi atoms on TiO_2 nanorods boosts photoelectrochemical water splitting of semiconductors. Nanoscale, 2020, 12, 4302-4308.	5.6	49
22	Boosted electrochemical ammonia synthesis by high-percentage metallic transition metal dichalcogenide quantum dots. Nanoscale, 2020, 12, 10964-10971.	5.6	24
23	Decorating Co/CoN _x nanoparticles in nitrogen-doped carbon nanoarrays for flexible and rechargeable zinc-air batteries. Energy Storage Materials, 2019, 16, 243-250.	18.0	244
24	Designing Energy Materials via Atomic-resolution Microscopy and Spectroscopy. Microscopy and Microanalysis, 2019, 25, 1998-1999.	0.4	1
25	Copper Single Atoms Anchored in Porous Nitrogen-Doped Carbon as Efficient pH-Universal Catalysts for the Nitrogen Reduction Reaction. ACS Catalysis, 2019, 9, 10166-10173.	11.2	284
26	All-solid-state sponge-like squeezable zinc-air battery. Energy Storage Materials, 2019, 23, 375-382.	18.0	47
27	Strong Charge Transfer at 2H \rightarrow 1T Phase Boundary of MoS ₂ for Superb High-Performance Energy Storage. Small, 2019, 15, e1900131.	10.0	53
28	Conformal dispersed cobalt nanoparticles in hollow carbon nanotube arrays for flexible Zn-air and Al-air batteries. Chemical Engineering Journal, 2019, 369, 988-995.	12.7	121
29	Twinned Tungsten Carbonitride Nanocrystals Boost Hydrogen Evolution Activity and Stability. Small, 2019, 15, e1900248.	10.0	57
30	Phospho-oxynitride Layer Protected Cobalt Phosphonitride Nanowire Arrays for High-Rate and Stable Supercapacitors. ACS Applied Energy Materials, 2019, 2, 616-626.	5.1	16
31	Flexible and Wearable All-Solid-State Al \rightarrow Air Battery Based on Iron Carbide Encapsulated in Electrospun Porous Carbon Nanofibers. ACS Applied Materials & Interfaces, 2019, 11, 1988-1995.	8.0	56
32	Preparation of homogeneous mullite fibrous porous ceramics consolidated by propylene oxide. Ceramics International, 2019, 45, 2474-2482.	4.8	24
33	2D carbide nanomeshes and their assembling into 3D microflowers for efficient water splitting. Applied Catalysis B: Environmental, 2019, 243, 678-685.	20.2	116
34	PtCo bimetallic nanoparticles encapsulated in N-doped carbon nanorod arrays for efficient electrocatalysis. Carbon, 2019, 142, 206-216.	10.3	56
35	Preparation of homogeneous mullite \rightarrow based fibrous ceramics by starch consolidation. Journal of the American Ceramic Society, 2018, 101, 3138-3147.	3.8	27
36	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. Nano Energy, 2018, 48, 73-80.	16.0	608

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37	Ni-Doped Cobaltâ€“Cobalt Nitride Heterostructure Arrays for High-Power Supercapacitors. ACS Energy Letters, 2018, 3, 2462-2469.	17.4	182
38	Single Co Atoms Anchored in Porous N-Doped Carbon for Efficient Zincâ€“Air Battery Cathodes. ACS Catalysis, 2018, 8, 8961-8969.	11.2	364
39	Integrated Hierarchical Carbon Flake Arrays with Hollow Pâ€“Doped CoSe₂ Nanoclusters as an Advanced Bifunctional Catalyst for Znâ€“Air Batteries. Advanced Functional Materials, 2018, 28, 1804846.	14.9	192
40	Lightweight alumina based fibrous ceramics with different high temperature binder. Ceramics International, 2016, 42, 10310-10316.	4.8	38
41	Mechanical properties and thermal conductivity of a temperature resistance hollow glass microspheres/borosilicate glass buoyance material. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 604-614.	5.6	44