

Wei Zhang

List of Publications by Year in descending order

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40
papers

3,846
citations

236925

25
h-index

302126

39
g-index

41
all docs

41
docs citations

41
times ranked

5494
citing authors

#	ARTICLE	IF	CITATIONS
1	MOFs fertilized transition-metallic single-atom electrocatalysts for highly-efficient oxygen reduction: Spreading the synthesis strategies and advanced identification. Journal of Energy Chemistry, 2022, 67, 391-422.	12.9	43
2	Boosting the kinetics of PF6 ⁻ into graphitic layers for the optimal cathode of dual-ion batteries: The rehearsal of pre-intercalating Li ⁺ . Journal of Energy Chemistry, 2022, 71, 392-399.	12.9	17
3	Etching-courtesy NH ₄ ⁺ pre-intercalation enables highly-efficient Li ⁺ storage of MXenes via the renaissance of interlayer redox. Journal of Energy Chemistry, 2022, 72, 26-32.	12.9	24
4	Palladium-Cobalt Bimetallic Nanoparticles Supported on Nitrogen-Doped Graphene as Efficient Electrocatalyst for Oxygen Reduction. Journal of Electronic Materials, 2022, 51, 4580-4588.	2.2	2
5	Mechanism orienting structure construction of electrodes for aqueous electrochemical energy storage systems: a review. Nanoscale, 2021, 13, 3412-3435.	5.6	15
6	Optimizing the SEM specimen preparation method for accurate microanalysis of carbon nanotube/nanocluster hybrids. Journal of Microscopy, 2021, 282, 267-273.	1.8	4
7	Unlocking the optimum supercapacitance of Co ₃ O ₄ by reducing the Co valence state via Mn doping. Materials Today Communications, 2021, 28, 102665.	1.9	5
8	Ultrafast activation of peroxymonosulfate by reduction of trace Fe ³⁺ with Ti ₃ C ₂ MXene under neutral and alkaline conditions: Reducibility and confinement effect. Chemical Engineering Journal, 2021, 423, 130012.	12.7	29
9	A semiconductor-electrochemistry model for design of high-rate Li ion battery. Journal of Energy Chemistry, 2020, 41, 100-106.	12.9	103
10	Optimizing the micropore-to-mesopore ratio of carbon-fiber-cloth creates record-high specific capacitance. Journal of Energy Chemistry, 2020, 47, 210-216.	12.9	37
11	Reinventing the mechanism of high-performance Bi anode in aqueous K ⁺ rechargeable batteries. Journal of Energy Chemistry, 2020, 48, 21-28.	12.9	34
12	Activating an MXene as a host for EMI ⁺ by electrochemistry-driven Fe-ion pre-intercalation. Journal of Materials Chemistry A, 2020, 8, 16265-16270.	10.3	17
13	Inorganic nanocrystal-dynamic porous polymer assemblies with effective energy transfer for sensitive diagnosis of urine copper. Chemical Science, 2020, 11, 12187-12193.	7.4	8
14	Stabilizing black phosphorus <i>via</i> inorganic small-molecular H ₃ BO ₃ . Chemical Communications, 2020, 56, 11418-11421.	4.1	9
15	Rationalizing the Anion Storage in Cathodes for Optimum Dual-Ion Batteries: State of the Art and the Prospect. Energy & Fuels, 2020, 34, 15701-15713.	5.1	9
16	Highly-dispersed cobalt clusters decorated onto nitrogen-doped carbon nanotubes as multifunctional electrocatalysts for OER, HER and ORR. Carbon, 2020, 166, 284-290.	10.3	95
17	K ⁺ alkalization promoted Ca ²⁺ intercalation in V ₂ CT MXene for enhanced Li storage. Journal of Energy Chemistry, 2020, 49, 358-364.	12.9	54
18	There is plenty of space in the MXene layers: The confinement and fillings. Journal of Energy Chemistry, 2020, 48, 344-363.	12.9	72

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19	2D titanium carbide (MXene) electrodes with lower-F surface for high performance lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2019, 31, 148-153.	12.9	97
20	Integrated MXene&CoFe ₂ O ₄ electrodes with multi-level interfacial architectures for synergistic lithium-ion storage. <i>Nanoscale</i> , 2019, 11, 15037-15042.	5.6	33
21	Suppressing the Pd-C interaction through B-doping for highly efficient oxygen reduction. <i>Carbon</i> , 2019, 149, 370-379.	10.3	32
22	Crystalline Lithium Imidazolate Covalent Organic Frameworks with High Li-Ion Conductivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 7518-7525.	13.7	261
23	Integrating Catalysis of Methane Decomposition and Electrocatalytic Hydrogen Evolution with Ni/CeO ₂ for Improved Hydrogen Production Efficiency. <i>ChemSusChem</i> , 2019, 12, 1000-1010.	6.8	58
24	Transition Metal-Nitrogen-Carbon Active Site for Oxygen Reduction Electrocatalysis: Beyond the Fascinations of TM-N ₄ . <i>ChemCatChem</i> , 2019, 11, 655-668.	3.7	30
25	Integrated Co ₃ O ₄ /carbon fiber paper for high-performance anode of dual-ion battery. <i>Journal of Energy Chemistry</i> , 2019, 37, 7-12.	12.9	37
26	Tent-pitching-inspired high-valence period 3-cation pre-intercalation excels for anode of 2D titanium carbide (MXene) with high Li storage capacity. <i>Energy Storage Materials</i> , 2019, 16, 163-168.	18.0	110
27	Pinpointing single metal atom anchoring sites in carbon for oxygen reduction: Doping sites or defects?. <i>Chinese Journal of Catalysis</i> , 2018, 39, 4-7.	14.0	13
28	Carbon-Based Dual-Ion Battery with Enhanced Capacity and Cycling Stability. <i>ChemElectroChem</i> , 2018, 5, 3612-3618.	3.4	46
29	Increasing surface active Co ²⁺ sites of MOF-derived Co ₃ O ₄ for enhanced supercapacitive performance via NaBH ₄ reduction. <i>Electrochimica Acta</i> , 2018, 289, 319-323.	5.2	37
30	Atomic-level energy storage mechanism of cobalt hydroxide electrode for pseudocapacitors. <i>Nature Communications</i> , 2017, 8, 15194.	12.8	250
31	Unlocking the Electrocatalytic Activity of Chemically Inert Amorphous Carbon-Nitrogen for Oxygen Reduction: Discerning and Refactoring Chaotic Bonds. <i>ChemElectroChem</i> , 2017, 4, 1269-1273.	3.4	24
32	Increasing the range of non-noble-metal single-atom catalysts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1489-1497.	14.0	21
33	Accessible 3D Integrative Paper Electrode Shapes: All-Carbon Dual-Ion Batteries with Optimum Packaging Performances. <i>ChemElectroChem</i> , 2017, 4, 3238-3243.	3.4	21
34	Tessellated multiporous two-dimensional covalent organic frameworks. <i>Nature Reviews Chemistry</i> , 2017, 1, .	30.2	319
35	(EMIm) ⁺ (PF ₆) ⁻ Ionic Liquid Unlocks Optimum Energy/Power Density for Architecture of Nanocarbon-Based Dual-Ion Battery. <i>Advanced Energy Materials</i> , 2016, 6, 1601378.	19.5	116
36	Single Atom Excels as the Smallest Functional Material. <i>Advanced Functional Materials</i> , 2016, 26, 2988-2993.	14.9	110

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37	Solution-Phase Dynamic Assembly of Permanently Interlocked Aryleneethynylene Cages through Alkyne Metathesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7550-7554.	13.8	117
38	Dynamic Covalent Chemistry Approaches Toward Macrocycles, Molecular Cages, and Polymers. <i>Accounts of Chemical Research</i> , 2014, 47, 1575-1586.	15.6	406
39	Recent advances in dynamic covalent chemistry. <i>Chemical Society Reviews</i> , 2013, 42, 6634.	38.1	1,130
40	Highly electrochemically active surface area of Ni (OH) ₂ with petal structure in situ grown on conductive Ni foam for efficient hydrogen evolution reaction. <i>Surface and Interface Analysis</i> , 0, , .	1.8	1