

Yu-Fei Zhang

List of Publications by Citations

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52
papers

1,962
citations

20
h-index

44
g-index

60
ext. papers

2,946
ext. citations

10.1
avg, IF

5.46
L-index

#	Paper	IF	Citations
52	A High-Energy Lithium-Ion Capacitor by Integration of a 3D Interconnected Titanium Carbide Nanoparticle Chain Anode with a Pyridine-Derived Porous Nitrogen-Doped Carbon Cathode. <i>Advanced Functional Materials</i> , 2016 , 26, 3082-3093	15.6	292
51	Fe-Doped Ni ₃ C Nanodots in N-Doped Carbon Nanosheets for Efficient Hydrogen-Evolution and Oxygen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12566-12570	16.4	240
50	Challenges in the material and structural design of zinc anode towards high-performance aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 3330-3360	35.4	185
49	1D to 3D hierarchical iron selenide hollow nanocubes assembled from FeSe ₂ @C core-shell nanorods for advanced sodium ion batteries. <i>Energy Storage Materials</i> , 2018 , 10, 48-55	19.4	150
48	Electronic Structure Regulation of Layered Vanadium Oxide via Interlayer Doping Strategy toward Superior High-Rate and Low-Temperature Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1907684	15.6	131
47	CoS/MoS ₂ Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017 , 13, 1603490	11	127
46	Synergistic Manipulation of Zn Ion Flux and Desolvation Effect Enabled by Anodic Growth of a 3D ZnF Matrix for Long-Lifespan and Dendrite-Free Zn Metal Anodes. <i>Advanced Materials</i> , 2021 , 33, e2007388	24	123
45	Vinyl Ethylene Carbonate as an Effective SEI-Forming Additive in Carbonate-Based Electrolyte for Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6118-6125	9.5	51
44	Achieving Ultrahigh-Rate and High-Safety Li Storage Based on Interconnected Tunnel Structure in Micro-Size Niobium Tungsten Oxides. <i>Advanced Materials</i> , 2020 , 32, e1905295	24	47
43	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. <i>Nanoscale</i> , 2016 , 8, 7688-94	7.7	46
42	Fe-Doped Ni ₃ C Nanodots in N-Doped Carbon Nanosheets for Efficient Hydrogen-Evolution and Oxygen-Evolution Electrocatalysis. <i>Angewandte Chemie</i> , 2017 , 129, 12740-12744	3.6	43
41	Topotactic Transformation Synthesis of 2D Ultrathin GeS Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. <i>ACS Nano</i> , 2020 , 14, 531-540	16.7	41
40	FeO/SnSSe Hexagonal Nanoplates as Lithium-Ion Batteries Anode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12722-12730	9.5	38
39	Highly Dispersive MoP Nanoparticles Anchored on Reduced Graphene Oxide Nanosheets for an Efficient Hydrogen Evolution Reaction Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26258-26263	9.5	37
38	High-Voltage Zinc-Ion Batteries: Design Strategies and Challenges. <i>Advanced Functional Materials</i> , 2021 , 31, 2010213	15.6	35
37	Mixed-Valence Copper Selenide as an Anode for Ultralong Lifespan Rocking-Chair Zn-Ion Batteries: An Insight into its Intercalation/Extraction Kinetics and Charge Storage Mechanism. <i>Advanced Functional Materials</i> , 2021 , 31, 2005092	15.6	34
36	Interlayer Engineering of Molybdenum Trioxide toward High-Capacity and Stable Sodium Ion Half/Full Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001708	15.6	29

35	In Situ Carbon Insertion in Laminated Molybdenum Dioxide by Interlayer Engineering Toward Ultrastable Rocking-Chair Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2102827	15.6	28
34	Rational synthesis of graphene-encapsulated uniform MnMoO hollow spheres as long-life and high-rate anodes for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 256-262	9.3	26
33	Amorphous Bimetallic Oxides Fe-V-O with Tunable Compositions toward Rechargeable Zn-Ion Batteries with Excellent Low-Temperature Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11753-11760	9.5	21
32	Optimization of the Hydrogen-Adsorption Free Energy of Ru-Based Catalysts towards High-Efficiency Hydrogen Evolution Reaction at all pH. <i>Chemistry - A European Journal</i> , 2019 , 25, 8579-8584	4.8	17
31	Three-Dimensional Graphene/Ag Aerogel for Durable and Stable Li Metal Anodes in Carbonate-Based Electrolytes. <i>Chemistry - A European Journal</i> , 2019 , 25, 5036-5042	4.8	15
30	Transition metal phosphides: new generation cathode host/separator modifier for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7458-7480	13	15
29	Interlayer Chemistry of Layered Electrode Materials in Energy Storage Devices. <i>Advanced Functional Materials</i> , 2021 , 31, 2007358	15.6	14
28	High-pseudocapacitance of porous and square NiO@NC nanosheets for high-performance lithium-ion batteries. <i>Rare Metals</i> , 2021 , 40, 1451-1458	5.5	14
27	Integration of Localized Electric-Field Redistribution and Interfacial Tin Nanocoating of Lithium Microparticles toward Long-Life Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 650-659	9.5	13
26	Pseudocapacitance-dominated high-performance and stable lithium-ion batteries from MOF-derived spinel ZnCoO/ZnO/C heterostructure anode. <i>Dalton Transactions</i> , 2020 , 49, 13311-13316	4.3	13
25	Double-Layer N,S-Codoped Carbon Protection of MnS Nanoparticles Enabling Ultralong-Life and High-Rate Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4867-4873	6.1	12
24	N-doped carbon nanocapsules as nanoreactors to boost lithium storage performance of Co-based oxide nanocrystallines. <i>Ceramics International</i> , 2020 , 46, 27608-27615	5.1	12
23	Post-Lithium-Ion Battery Era: Recent Advances in Rechargeable Potassium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021 , 27, 512-536	4.8	12
22	Phosphorus-Doping-Induced Surface Vacancies of 3D Na Ti O Nanowire Arrays Enabling High-Rate and Long-Life Sodium Storage. <i>Chemistry - A European Journal</i> , 2019 , 25, 14881-14889	4.8	11
21	NiSe@CoSe hetero-nanocrystals encapsulated into CNT-porous carbon interpenetrating frameworks for high-performance sodium ion battery. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 718-718	9.3	10
20	Deep Insight into Electrochemical Kinetics of Cowpea-Like Li ₃ VO ₄ @C Nanowires as High-Rate Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 3920-3927	4.3	9
19	Ultrafast Li diffusion kinetics enhanced by cross-stacked nanosheets loaded with CoO@NiO nanoparticles: Constructing superstructure to enhance Li-ion half/full batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 51-60	9.3	9
18	Epitaxial growth induced multilayer yolk-shell structured CoSe ₂ with promoting transport kinetics of sodium ion half/full batteries. <i>Journal of Power Sources</i> , 2022 , 517, 230729	8.9	8

17	Intercalation Mechanism of the Ammonium Vanadate (NH ₄ V ₄ O ₁₀) 3D Decussate Superstructure as the Cathode for High-Performance Aqueous Zinc-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11769-11777	8.3	8
16	Precursor-Based Synthesis of Porous Colloidal Particles towards Highly Efficient Catalysts. <i>Chemistry - A European Journal</i> , 2018 , 24, 10280-10290	4.8	7
15	Two-Dimensional Germanium Sulfide Nanosheets as an Ultra-Stable and High Capacity Anode for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2020 , 26, 6554-6560	4.8	7
14	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadium-Based Cathodes with Excellent Low-Temperature Performance. <i>Advanced Functional Materials</i> , 2021 , 31, 2111714	15.6	6
13	Ten Thousand-Cycle Ultrafast Energy Storage of Wadsley-Roth Phase Fe-Nb Oxides with a Desolvation Promoting Interfacial Layer. <i>Nano Letters</i> , 2021 , 21, 9675-9683	11.5	5
12	Recent progress of nanostructured metal chalcogenides and their carbon-based hybrids for advanced potassium battery anodes. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 4401-4423	7.8	5
11	Interfacial Protection Engineering of Sodium Nanoparticles toward Dendrite-Free and Long-Life Sodium Metal Battery. <i>Small</i> , 2021 , 17, e2102400	11	3
10	Activating the Stepwise Intercalation-Conversion Reaction of Layered Copper Sulfide toward Extremely High Capacity Zinc-Metal-Free Anodes for Rocking-Chair Zinc-Ion Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
9	Nanocavity-enriched CoO@ZnCoO@NC porous nanowires derived from 1D metal coordination polymers for fast Li diffusion kinetics and super Li storage. <i>Dalton Transactions</i> , 2021 , 50, 7277-7283	4.3	2
8	Cation mixing in Wadsley-Roth phase anode of lithium-ion battery improves cycling stability and fast Li ⁺ storage. <i>Applied Physics Reviews</i> , 2021 , 8, 031404	17.3	2
7	Ultrahigh Rate and Ultralong Life Span Sodium Storage of FePS Enabled by the Space Confinement Effect of Layered Expanded Graphite. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55254-55262	9.5	1
6	The Efficient K Ion Storage of MPO/C (M=Fe, Co, Ni) Anode Derived from Organic-Inorganic Phosphate Precursors. <i>Chemistry - A European Journal</i> , 2021 , 27, 9031-9037	4.8	1
5	Uniform Li Plating/Stripping within Ni Macropore Arrays Enabled by Regulated Electric Field Distribution for Ultra-Stable Li-Metal Anodes. <i>IScience</i> , 2020 , 23, 101089	6.1	1
4	Coupling of ReS ₂ nanosheet arrays with hollow NiCoS ₄ nanocubes enables ultrafast Na ⁺ diffusion kinetics and super Na ⁺ storage of a NiCoS ₄ @ReS ₂ heterostructure. <i>Materials Chemistry Frontiers</i> ,	7.8	1
3	Manipulating the Electronic Structure of Graphite Intercalation Compounds for Boosting the Bifunctional Oxygen Catalytic Performance.. <i>Small</i> , 2022 , e2107667	11	0
2	In-Situ Activated NiFePBA-FeOOH Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Battery. <i>ChemistrySelect</i> , 2021 , 6, 3683-3691	1.8	0
1	Ternary Metal-Organic Framework Derived 2D Fe ₂ O ₃ /Co ₃ O ₄ /NiO/NC Heterostructured Nanosheets for Super Lithium Storage. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 57, 1000-1008	2.5	0