

Xiaowei Wang

List of Publications by Year in descending order

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36
papers

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172457

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#	ARTICLE	IF	CITATIONS
1	Boron Nitride-Based Release Agent Coating Stabilizes $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3/\text{Li}$ Interface with Superior Lean-Lithium Electrochemical Performance and Thermal Stability. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	27
2	Recent advances in black-phosphorus-based materials for electrochemical energy storage. <i>Materials Today</i> , 2021, 42, 117-136.	14.2	125
3	A High-Performance Lithium Metal Battery with Ion-Selective Nanofluidic Transport in a Conjugated Microporous Polymer Protective Layer. <i>Advanced Materials</i> , 2021, 33, e2006323.	21.0	64
4	From Micropores to Ultra-micropores inside Hard Carbon: Toward Enhanced Capacity in Room-/Low-Temperature Sodium-Ion Storage. <i>Nano-Micro Letters</i> , 2021, 13, 98.	27.0	78
5	Dense-Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie</i> , 2021, 133, 11460-11470.	2.0	11
6	Para-Substituted Triphenylamine as a Catholyte for Zinc-Organic Aqueous Redox Flow Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 3612-3621.	5.1	18
7	Dense-Stacking Porous Conjugated Polymer as Reactive-Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11359-11369.	13.8	62
8	Solution-Processable Covalent Organic Framework Electrolytes for All-Solid-State Li-Organic Batteries. <i>ACS Energy Letters</i> , 2020, 5, 3498-3506.	17.4	114
9	Stabilizing a Lithium Metal Battery by an In Situ Li_2S -modified Interfacial Layer via Amorphous-Sulfide Composite Solid Electrolyte. <i>Nano Letters</i> , 2020, 20, 8273-8281.	9.1	47
10	Site-selective alkene borylation enabled by synergistic hydrometallation and borometallation. <i>Nature Catalysis</i> , 2020, 3, 585-592.	34.4	60
11	Covalent-Organic-Framework-Based LiCO_2 Batteries. <i>Advanced Materials</i> , 2019, 31, e1905879.	29.0	129
12	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25147-25154.	8.0	152
13	Two-Dimensional Polymer Synthesized <i>via</i> Solid-State Polymerization for High-Performance Supercapacitors. <i>ACS Nano</i> , 2018, 12, 852-860.	14.6	91
14	Lithium Silicide Surface Enrichment: A Solution to Lithium Metal Battery. <i>Advanced Materials</i> , 2018, 30, e1801745.	21.0	163
15	Enhancing performance of sandwich-like cobalt sulfide and carbon for quasi-solid-state hybrid electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8981-8988.	10.3	32
16	Unveiling the role of Co-O-Mg bond in magnetic anisotropy of PtCo using atomically controlled deposition and <i>in situ</i> electrical measurement. <i>Physical Review B</i> , 2017, 95, .	3.2	11
17	An Aqueous Rechargeable $\text{Zn}/\text{Co}_3\text{O}_4$ Battery with High Energy Density and Good Cycling Behavior. <i>Advanced Materials</i> , 2016, 28, 4904-4911.	21.0	417
18	Aqueous Rechargeable Zinc/Aluminum Ion Battery with Good Cycling Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9022-9029.	8.0	111

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19	Electrode materials with tailored facets for electrochemical energy storage. <i>Nanoscale Horizons</i> , 2016, 1, 272-289.	8.0	98
20	A conductive polymer coated MoO_3 anode enables an Al-ion capacitor with high performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5115-5123.	10.3	120
21	Enhanced capacitive desalination of MnO_2 by forming composite with multi-walled carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 6730-6736.	3.6	59
22	A Quasi-Solid-State Sodium-Ion Capacitor with High Energy Density. <i>Advanced Materials</i> , 2015, 27, 6962-6968.	21.0	177
23	Composites of porous Co_3O_4 grown on Li_2MnO_3 microspheres as cathode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4840-4845.	10.3	45
24	Co_3O_4 @MWCNT Nanocable as Cathode with Superior Electrochemical Performance for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2280-2285.	8.0	162
25	Hybrid system for rechargeable magnesium battery with high energy density. <i>Scientific Reports</i> , 2015, 5, 11931.	3.3	48
26	Orientated Co_3O_4 Nanocrystals on MWCNTs as Superior Battery-Type Positive Electrode Material for a Hybrid Capacitor. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1966-A1971.	2.9	52
27	A gel polymer electrolyte based on composite of nonwoven fabric and methyl cellulose with good performance for lithium ion batteries. <i>RSC Advances</i> , 2015, 5, 52382-52387.	3.6	44
28	A Zn-NiO rechargeable battery with long lifespan and high energy density. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8280-8283.	10.3	141
29	Aqueous Rechargeable Battery Based on Zinc and a Composite of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$. <i>ChemElectroChem</i> , 2015, 2, 1024-1030.	3.4	58
30	Janus Solid-Liquid Interface Enabling Ultrahigh Charging and Discharging Rate for Advanced Lithium-Ion Batteries. <i>Nano Letters</i> , 2015, 15, 6102-6109.	9.1	90
31	A dense cellulose-based membrane as a renewable host for gel polymer electrolyte of lithium ion batteries. <i>Journal of Membrane Science</i> , 2015, 476, 112-118.	8.2	164
32	$\text{Na}_{0.35}\text{MnO}_2$ /CNT Nanocomposite from a Hydrothermal Method as Electrode Material for Aqueous Supercapacitors. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2908-2913.	1.2	5
33	A hybrid of CoOOH nanorods with carbon nanotubes as a superior positive electrode material for supercapacitors. <i>RSC Advances</i> , 2014, 4, 59088-59093.	3.6	17
34	Green energy storage chemistries based on neutral aqueous electrolytes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10739-10755.	10.3	113
35	A Se/C composite as cathode material for rechargeable lithium batteries with good electrochemical performance. <i>RSC Advances</i> , 2014, 4, 9086-9091.	3.6	59
36	An acid-free rechargeable battery based on PbSO_4 and spinel LiMn_2O_4 . <i>Chemical Communications</i> , 2014, 50, 13714-13717.	4.1	21