

Wei-Hua Chen

List of Publications by Year in descending order

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197
papers

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citations

25014

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docs citations

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times ranked

8542
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoengineering of 2D MXene-Based Materials for Energy Storage Applications. <i>Small</i> , 2021, 17, e1902085.	5.2	398
2	Partial Ion-Exchange of Nickel-Sulfide-Derived Electrodes for High Performance Supercapacitors. <i>Chemistry of Materials</i> , 2014, 26, 3418-3426.	3.2	311
3	Recent Progress on the Alloy-Based Anode for Sodium-Ion Batteries and Potassium-Ion Batteries. <i>Small</i> , 2021, 17, e1903194.	5.2	284
4	Advances and Perspectives of Cathode Storage Chemistry in Aqueous Zinc-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 9244-9272.	7.3	272
5	NASICON-type air-stable and all-climate cathode for sodium-ion batteries with low cost and high-power density. <i>Nature Communications</i> , 2019, 10, 1480.	5.8	260
6	High-Performance Flexible Freestanding Anode with Hierarchical 3D Carbon-Networks/Fe ₇ S ₈ /Graphene for Applicable Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1806664.	11.1	233
7	Emerging Catalysts to Promote Kinetics of Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2002893.	10.2	228
8	High-safety separators for lithium-ion batteries and sodium-ion batteries: advances and perspective. <i>Energy Storage Materials</i> , 2021, 41, 522-545.	9.5	227
9	Double Metal Ions Synergistic Effect in Hierarchical Multiple Sulfide Microflowers for Enhanced Supercapacitor Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4311-4319.	4.0	202
10	Catalytic Conversion of Polysulfides on Single Atom Zinc Implanted MXene toward High-Rate Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2002471.	7.8	158
11	Synergistic effect induced ultrafine SnO ₂ /graphene nanocomposite as an advanced lithium/sodium-ion batteries anode. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10027-10038.	5.2	155
12	Oxygen Defects Engineering of VO ₂ ·xH ₂ O Nanosheets via In Situ Polypyrrole Polymerization for Efficient Aqueous Zinc Ion Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2103070.	7.8	153
13	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (Ti ₃ C ₂ Cl _x) for Efficient CO ₂ Electroreduction to Methanol. <i>ACS Nano</i> , 2021, 15, 4927-4936.	7.3	139
14	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11481-11486.	7.2	124
15	Pyrite FeS ₂ microspheres anchoring on reduced graphene oxide aerogel as an enhanced electrode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5332-5341.	5.2	123
16	Layered (NH ₄) ₂ V ₆ O ₁₆ ·1.5H ₂ O nanobelts as a high-performance cathode for aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19130-19139.	5.2	121
17	Recent progress of emerging cathode materials for sodium ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3735-3764.	3.2	114
18	Hierarchical ternary Ni-Co-Se nanowires for high-performance supercapacitor device design. <i>Dalton Transactions</i> , 2016, 45, 19458-19465.	1.6	112

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19	Controlled synthesis of 3D hierarchical NiSe microspheres for high-performance supercapacitor design. RSC Advances, 2016, 6, 46523-46530.	1.7	111
20	Developments and Perspectives on Emerging High-Energy-Density Sodium-Metal Batteries. Chem, 2019, 5, 2547-2570.	5.8	110
21	$\text{Ni}(\text{OH})_2/\text{NiS}_{1.97}$ heterojunction composites with excellent ion and electron transport properties for advanced supercapacitors. Nanoscale, 2019, 11, 6243-6253.	2.8	106
22	A nest-like $\text{Ni@Ni}_{1.4}\text{Co}_{1.6}\text{S}_2$ electrode for flexible high-performance rolling supercapacitor device design. Journal of Materials Chemistry A, 2015, 3, 20973-20982.	5.2	105
23	Suppressing Voltage Fading of Li-Rich Oxide Cathode via Building a Well-Protected and Partially Protonated Surface by Polyacrylic Acid Binder for Cycle-Stable Li-Ion Batteries. Advanced Energy Materials, 2020, 10, 1904264.	10.2	101
24	MXene-Based Mesoporous Nanosheets Toward Superior Lithium Ion Conductors. Advanced Energy Materials, 2020, 10, 1903534.	10.2	97
25	Integrating Bi@C Nanospheres in Porous Hard Carbon Frameworks for Ultrafast Sodium Storage. Advanced Materials, 2022, 34, e2202673.	11.1	93
26	Recent progress on iron- and manganese-based anodes for sodium-ion and potassium-ion batteries. Energy Storage Materials, 2019, 19, 163-178.	9.5	90
27	90% yield production of polymer nano-memristor for in-memory computing. Nature Communications, 2021, 12, 1984.	5.8	87
28	Interface engineering and heterometal doping Mo-NiS/Ni(OH) ₂ for overall water splitting. Nano Research, 2021, 14, 3466-3473.	5.8	87
29	Carambola-like $\text{Ni@Ni}_{1.5}\text{Co}_{1.5}\text{S}_2$ for Use in High-Performance Supercapacitor Devices Design. ACS Sustainable Chemistry and Engineering, 2015, 3, 2777-2785.	3.2	86
30	Polypropylene/hydrophobic-silica-aerogel-composite separator induced enhanced safety and low polarization for lithium-ion batteries. Journal of Power Sources, 2018, 376, 177-183.	4.0	86
31	Facile and scalable synthesis of low-cost FeS@C as long-cycle anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 19709-19718.	5.2	86
32	Construction of hierarchical three-dimensional interspersed flower-like nickel hydroxide for asymmetric supercapacitors. Nano Research, 2017, 10, 3726-3742.	5.8	85
33	Urchin-Like $\text{Ni}_{1/3}\text{Co}_{2/3}(\text{CO}_3)_{1/2}(\text{OH})\cdot 0.11\text{H}_2\text{O}$ for Ultrahigh-Rate Electrochemical Supercapacitors: Structural Evolution from Solid to Hollow. ACS Applied Materials & Interfaces, 2017, 9, 40655-40670.	4.0	84
34	Electrospun Flexible Cellulose Acetate-Based Separators for Sodium-Ion Batteries with Ultralong Cycle Stability and Excellent Wettability: The Role of Interface Chemical Groups. ACS Applied Materials & Interfaces, 2018, 10, 23883-23890.	4.0	84
35	Enabling an intrinsically safe and high-energy-density 4.5 V-class Li-ion battery with nonflammable electrolyte. Informa Mater J, 2020, 2, 984-992.	8.5	81
36	Three-dimensional CuS hierarchical architectures as recyclable catalysts for dye decolorization. CrystEngComm, 2012, 14, 3965.	1.3	77

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37	Design of FeS ₂ @rGO composite with enhanced rate and cyclic performances for sodium ion batteries. <i>Electrochimica Acta</i> , 2017, 230, 1-9.	2.6	77
38	Atomically dispersed Ni induced by ultrahigh N-doped carbon enables stable sodium storage. <i>Chem</i> , 2021, 7, 2684-2694.	5.8	77
39	3D hierarchically patterned tubular NiSe with nano-/microstructures for Li ion battery design. <i>Dalton Transactions</i> , 2012, 41, 12595.	1.6	76
40	Simple synthesis of sandwich-like SnSe ₂ /rGO as high initial coulombic efficiency and high stability anode for sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 46, 71-77.	7.1	75
41	Organic Cathode Materials for Sodium-ion Batteries: From Fundamental Research to Potential Commercial Application. <i>Advanced Functional Materials</i> , 2022, 32, 2107718.	7.8	75
42	Metal-Semiconductor Phase Twinned Hierarchical MoS ₂ Nanowires with Expanded Interlayers for Sodium-ion Batteries with Ultralong Cycle Life. <i>Small</i> , 2020, 16, e1906607.	5.2	74
43	Mesoporous TiNb ₂ O ₇ microspheres as high performance anode materials for lithium-ion batteries with high-rate capability and long cycle-life. <i>Electrochimica Acta</i> , 2018, 259, 20-27.	2.6	72
44	Bio-inspired nano-engineering of an ultrahigh loading 3D hierarchical Ni@NiCo ₂ S ₄ /Ni ₃ S ₂ electrode for high energy density supercapacitors. <i>Nanoscale</i> , 2019, 11, 1728-1736.	2.8	72
45	Hierarchical porous hard carbon enables integral solid electrolyte interphase as robust anode for sodium-ion batteries. <i>Rare Metals</i> , 2020, 39, 1053-1062.	3.6	70
46	High-Entropy Carbonitride MAX Phases and Their Derivative MXenes. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	69
47	Tunable properties induced by ion exchange in multilayer intertwined CuS microflowers with hierarchal structures. <i>Nanoscale</i> , 2013, 5, 6589.	2.8	68
48	Conjugated Covalent Organic Frameworks as Platinum Nanoparticle Supports for Catalyzing the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2020, 32, 9747-9752.	3.2	68
49	Ethylene Carbonate-Free Propylene Carbonate-Based Electrolytes with Excellent Electrochemical Compatibility for Li-ion Batteries through Engineering Electrolyte Solvation Structure. <i>Advanced Energy Materials</i> , 2021, 11, 2003905.	10.2	68
50	A low-defect and Na-enriched Prussian blue lattice with ultralong cycle life for sodium-ion battery cathode. <i>Electrochimica Acta</i> , 2020, 332, 135533.	2.6	67
51	Sandwich Structures Constructed by ZnSe ₂ @MoSe ₂ Located in Graphene for Efficient Sodium Storage. <i>Advanced Energy Materials</i> , 2020, 10, 2002298.	10.2	67
52	Polymorphism of 2D Imine Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5363-5369.	7.2	67
53	N-Rich 2D Heptazine Covalent Organic Frameworks as Efficient Metal-Free Photocatalysts. <i>ACS Catalysis</i> , 2022, 12, 616-623.	5.5	65
54	2D Redox-Active Covalent Organic Frameworks for Supercapacitors: Design, Synthesis, and Challenges. <i>Small</i> , 2021, 17, e2005073.	5.2	64

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55	Novel safer phosphonate-based gel polymer electrolytes for sodium-ion batteries with excellent cycling performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6559-6564.	5.2	63
56	Hydrangea-like $\frac{1}{3}\text{-Ni}_{1/3}\text{Co}_{2/3}(\text{OH})_2$ Reinforced by Ethyl Carbamate for All-Solid-State Supercapacitors with Outstanding Comprehensive Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32269-32281.	4.0	63
57	Enhanced interfacial compatibility of FeS@N,S-C anode with ester-based electrolyte enables stable sodium-ion full cells. <i>Journal of Energy Chemistry</i> , 2022, 68, 27-34.	7.1	63
58	3D porous nano/micro nickel sulfides with hierarchical structure: controlled synthesis, structure characterization and electrochemical properties. <i>Dalton Transactions</i> , 2013, 42, 5724.	1.6	60
59	Recent progress, mechanisms, and perspectives for crystal and interface chemistry applying to the Zn metal anodes in aqueous zinc-ion batteries. <i>SusMat</i> , 2022, 2, 114-141.	7.8	60
60	Electrolytes for Dual-Function Carbon Batteries. <i>ChemElectroChem</i> , 2019, 6, 2615-2629.	1.7	59
61	Superhydrophilic 2D Covalent Organic Frameworks as Broadband Absorbers for Efficient Solar Steam Generation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	57
62	Synergism of surface group transfer and in-situ growth of silica-aerogel induced high-performance modified polyacrylonitrile separator for lithium/sodium-ion batteries. <i>Journal of Membrane Science</i> , 2019, 577, 137-144.	4.1	55
63	High loading FeS ₂ nanoparticles anchored on biomass-derived carbon tube as low cost and long cycle anode for sodium-ion batteries. <i>Green Energy and Environment</i> , 2020, 5, 50-58.	4.7	55
64	Understanding Shuttling Effect in Sodium Ion Batteries for the Solution of Capacity Fading: FeS ₂ as an Example. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2775-2782.	1.5	54
65	Bimetal Synergistic Effect Induced High Reversibility of Conversion-Type Ni@NiCo ₂ S ₄ as a Free-Standing Anode for Sodium Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1435-1442.	2.1	54
66	In Situ Formation of Co ₉ S ₈ Nanoclusters in Sulfur-Doped Carbon Foam as a Sustainable and High-Rate Sodium-Ion Anode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19218-19226.	4.0	51
67	Organosulfonate Counteranions as a Trapped Coordination Polymer as a High-Output Triboelectric Nanogenerator Material for Self-Powered Anticorrosion. <i>Chemistry - A European Journal</i> , 2020, 26, 584-591.	1.7	51
68	The immunobiology of mucosal-associated invariant T cell (MAIT) function in primary biliary cholangitis: Regulation by cholic acid-induced Interleukin-7. <i>Journal of Autoimmunity</i> , 2018, 90, 64-75.	3.0	50
69	Microstructure-Dependent Charge/Discharge Behaviors of Hollow Carbon Spheres and its Implication for Sodium Storage Mechanism on Hard Carbon Anodes. <i>Small</i> , 2021, 17, e2102248.	5.2	50
70	Dual-Functional NbN Ultrafine Nanocrystals Enabling Kinetically Boosted Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	49
71	Facile synthesis of hierarchical Na ₂ Fe(SO ₄) ₂ @rGO/C as high-voltage cathode for energy density-enhanced sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 50, 387-394.	7.1	47
72	From $\frac{1}{2}\text{-NaMnO}_2$ to crystal water containing Na-birnessite: enhanced cycling stability for sodium-ion batteries. <i>CrystEngComm</i> , 2016, 18, 3136-3141.	1.3	46

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73	Donor-acceptor 2D covalent organic frameworks for efficient heterogeneous photocatalytic I^{\pm} -oxyamination. <i>Science China Chemistry</i> , 2021, 64, 827-833.	4.2	46
74	Cationic Covalent Organic Frameworks for Fabricating an Efficient Triboelectric Nanogenerator. , 2020, 2, 1691-1697.		42
75	Large-scale urchin-like micro/nano-structured NiS: controlled synthesis, cation exchange and lithium-ion battery applications. <i>RSC Advances</i> , 2013, 3, 17431.	1.7	41
76	Synergistic effect of $\text{Co}_3\text{O}_4@\text{C}@\text{MnO}_2$ nanowire heterostructures for high-performance asymmetry supercapacitor with long cycle life. <i>Electrochimica Acta</i> , 2018, 283, 1087-1094.	2.6	41
77	Cream roll-inspired advanced MnS/C composite for sodium-ion batteries: encapsulating MnS cream into hollow N,S-co-doped carbon rolls. <i>Nanoscale</i> , 2020, 12, 8493-8501.	2.8	41
78	Sequential partial ion exchange synthesis of composite $\text{Ni}_3\text{S}_2/\text{Co}_9\text{S}_8/\text{NiSe}$ nanoarrays with a lavender-like hierarchical morphology. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 727-735.	3.0	40
79	High-Safety Symmetric Sodium-Ion Batteries Based on Nonflammable Phosphate Electrolyte and Double $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27833-27838.	4.0	40
80	Bromine-Functionalized Covalent Organic Frameworks for Efficient Triboelectric Nanogenerator. <i>Chemistry - A European Journal</i> , 2020, 26, 5784-5788.	1.7	40
81	Ni_{12}P_5 nanoparticles bound on graphene sheets for advanced lithium-sulfur batteries. <i>Nanoscale</i> , 2020, 12, 10760-10770.	2.8	40
82	A Hollow Tube-on-Tube Architecture of Carbon-Tube-Supported Nickel Cobalt Sulfide Nanotubes for Advanced Supercapacitors. <i>ChemNanoMat</i> , 2017, 3, 269-276.	1.5	39
83	One-Step Construction of $\text{MoS}_{0.74}\text{Se}_{1.26}/\text{N}$ -Doped Carbon Flower-like Hierarchical Microspheres with Enhanced Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44342-44351.	4.0	39
84	Hollow carbon nanofibers as high-performance anode materials for sodium-ion batteries. <i>Nanoscale</i> , 2019, 11, 21999-22005.	2.8	39
85	Highly Electrochemically Reversible Mesoporous $\text{Na}_2\text{FePO}_4/\text{C}$ as Cathode Material for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2019, 15, e1903723.	5.2	38
86	$\text{Se}-\text{C}$ bond and reversible SEI in facile synthesized SnSe_2 , 3D carbon induced stable anode for sodium-ion batteries. <i>Electrochimica Acta</i> , 2020, 337, 135783.	2.6	37
87	Achieving long-cycling sodium-ion full cells in ether-based electrolyte with vinylene carbonate additive. <i>Journal of Energy Chemistry</i> , 2021, 57, 650-655.	7.1	37
88	A Water Stable, Near-Zero-Strain O_3 -Layered Titanium-Based Anode for Long Cycle Sodium-Ion Battery. <i>Advanced Functional Materials</i> , 2020, 30, 1907023.	7.8	36
89	Metal-covalent organic frameworks for electrochemical energy storage applications. <i>EcoMat</i> , 2021, 3, e12133.	6.8	36
90	Facile and reversible digestion and regeneration of zirconium-based metal-organic frameworks. <i>Communications Chemistry</i> , 2020, 3, .	2.0	35

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91	Immobilizing VN ultrafine nanocrystals on N-doped carbon nanosheets enable multiple effects for high-rate lithium-sulfur batteries. <i>Nano Research</i> , 2022, 15, 1424-1432.	5.8	35
92	Advances in electrode/electrolyte interphase for sodium-ion batteries from half cells to full cells. <i>Cell Reports Physical Science</i> , 2022, 3, 100868.	2.8	35
93	2D Covalent Organic Frameworks Toward Efficient Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2022, 15, .	3.6	35
94	Cation-exchange induced high power electrochemical properties of core-shell Ni(OH) ₂ @CoOOH. <i>Journal of Power Sources</i> , 2011, 196, 488-494.	4.0	34
95	Hierarchical porous onion-shaped LiMn ₂ O ₄ as ultrahigh-rate cathode material for lithium ion batteries. <i>Nano Research</i> , 2018, 11, 4038-4048.	5.8	34
96	Construction of 3D architectures with Ni(HCO ₃) ₂ nanocubes wrapped by reduced graphene oxide for LIBs: ultrahigh capacity, ultrafast rate capability and ultralong cycle stability. <i>Chemical Science</i> , 2018, 9, 8682-8691.	3.7	34
97	Amorphous NaVOPO ₄ as a High-Rate and Ultrastable Cathode Material for Sodium-Ion Batteries. <i>CCS Chemistry</i> , 2021, 3, 2428-2436.	4.6	34
98	TiO ₂ -Based Heterostructures with Different Mechanism: A General Synergistic Effect toward High-Performance Sodium Storage. <i>Small</i> , 2020, 16, e2004054.	5.2	33
99	Controlled synthesis of spherical hierarchical LiNi _{1-x} Co _x Al _y O ₂ (0$x, y$$\leq 0.2$) via a novel cation exchange process as cathode materials for High-Performance Lithium Batteries. <i>Electrochimica Acta</i> , 2016, 190, 932-938.	2.6	32
100	In-situ embedding CoTe catalyst into 1D-2D nitrogen-doped carbon to didirectionally regulate lithium-sulfur batteries. <i>Nano Research</i> , 2022, 15, 8972-8982.	5.8	31
101	Large-scale stereoscopic structured heazlewoodite microrod arrays and scale-like microsheets for lithium-ion battery applications. <i>RSC Advances</i> , 2012, 2, 6817.	1.7	29
102	Ag ⁺ insertion into 3D hierarchical rose-like Cu _{1.8} Se nanocrystals with tunable band gap and morphology genetic. <i>Nanoscale</i> , 2014, 6, 1124-1133.	2.8	28
103	Layer-by-Layer Stacked (NH ₄) ₂ V ₄ O ₉ ·0.5H ₂ O Nanosheet Assemblies with Intercalation Pseudocapacitance for High Rate Aqueous Zinc Ion Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 5343-5352.	2.5	28
104	Tunable Electrochemical Properties Brought About by Partial Cation Exchange in Hydrotalcite-Like Ni ²⁺ /Co ²⁺ /Ni Hydroxide Nanosheets. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17471-17477.	1.5	27
105	Synthesis, characterization and electrochemical performance of Li ₂ FeSiO ₄ /C for lithium-ion batteries. <i>RSC Advances</i> , 2013, 3, 408-412.	1.7	27
106	Stable cross-linked gel terpolymer electrolyte containing methyl phosphonate for sodium ion batteries. <i>Journal of Membrane Science</i> , 2019, 583, 163-170.	4.1	27
107	A novel helical chain zinc(II) coordination polymer derived from both ferrocenecarboxylate and bibenzimidazolyl ligands: synthesis, crystal structure and properties. <i>Journal of Molecular Structure</i> , 2004, 694, 179-183.	1.8	26
108	Zero-Strain Structure for Efficient Potassium Storage: Nitrogen-Enriched Carbon Dual-Confinement CoP Composite. <i>Advanced Energy Materials</i> , 2022, 12, 2103341.	10.2	26

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109	Facile assembly of partly graphene-enveloped sulfur composites in double-solvent for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2015, 178, 564-570.	2.6	25
110	One-pot synthesis and the electrochemical properties of nano-structured nickel selenide materials with hierarchical structure. <i>CrystEngComm</i> , 2013, 15, 2624.	1.3	24
111	Evidence of Rural and Suburban Sources of Urban Haze Formation in China: A Case Study From the Pearl River Delta Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4712-4726.	1.2	24
112	Interface Engineering Based on Multinanoscale Heterojunctions between NiO Quantum Dots, N-Doped Amorphous Carbon and Ni for Advanced Supercapacitor. <i>ACS Applied Energy Materials</i> , 2021, 4, 3221-3230.	2.5	24
113	Rationally Designed Three-Layered TiO ₂ @amorphous MoS ₃ @Carbon Hierarchical Microspheres for Efficient Potassium Storage. <i>Small</i> , 2022, 18, e2107819.	5.2	24
114	Carbon coated ultrasmall anatase TiO ₂ nanocrystal anchored on N,S-RGO as high-performance anode for sodium ion batteries. <i>Green Energy and Environment</i> , 2018, 3, 277-285.	4.7	23
115	Heterojunction Zn-Co(OH) ₂ /Ni(OH) ₂ nanorods arrays on Ni foam with high utilization rate and excellent structure stability for high-performance supercapacitor. <i>Scientific Reports</i> , 2019, 9, 12727.	1.6	23
116	Enabling electrochemical compatibility of non-flammable phosphate electrolytes for lithium-ion batteries by tuning their molar ratios of salt to solvent. <i>Chemical Communications</i> , 2020, 56, 6559-6562.	2.2	23
117	PAANa-induced ductile SEI of bare micro-sized FeS enables high sodium-ion storage performance. <i>Science China Materials</i> , 2021, 64, 105-114.	3.5	23
118	SnS/SnS ₂ /rGO heterostructure with fast kinetics enables compact sodium ion storage. <i>FlatChem</i> , 2021, 28, 100259.	2.8	23
119	A review of sodium chloride-based electrolytes and materials for electrochemical energy technology. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2637-2671.	5.2	23
120	Beneficial metal ion insertion into dandelion-like MnS with enhanced catalytic performance and genetic morphology. <i>RSC Advances</i> , 2014, 4, 19257-19265.	1.7	22
121	High-rate-capability asymmetric supercapacitor device based on lily-like Co ₃ O ₄ nanostructures assembled using nanowires. <i>RSC Advances</i> , 2017, 7, 3752-3759.	1.7	22
122	Novel flame retardant rigid spirocyclic biphosphate based copolymer gel electrolytes for sodium ion batteries with excellent high-temperature performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22962-22968.	5.2	22
123	Bimetal CoNi Active Sites on Mesoporous Carbon Nanosheets to Kinetically Boost Lithium-Sulfur Batteries. <i>Small</i> , 2021, 17, e2100414.	5.2	22
124	Synthesis of carbon nanotubes-supported porous silicon microparticles in low-temperature molten salt for high-performance Li-ion battery anodes. <i>Nano Research</i> , 2022, 15, 6184-6191.	5.8	22
125	Advances of Carbon-Based Materials for Lithium Metal Anodes. <i>Frontiers in Chemistry</i> , 2020, 8, 595972.	1.8	21
126	Programmable Triboelectric Nanogenerators Dependent on the Secondary Building Units in Cadmium Coordination Polymers. <i>Inorganic Chemistry</i> , 2021, 60, 550-554.	1.9	21

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127	High-rate performance aqueous-based supercapacitors at $\sim 30^\circ\text{C}$ driven by novel 1D Ni(OH) ₂ nanorods and a two-solute electrolyte. Journal of Materials Chemistry A, 2021, 9, 23860-23872.	5.2	21
128	Recent advances in seawater in salt electrolytes for aqueous rechargeable monovalent-ion (Li+, Na+) Tj ETQq0 0 0 rgBT /Qyerlock 10	7.1	21
129	Aluminum Insertion-Induced Enhanced Performance of Li(Ni _{0.83} Co _{0.10} Mn _{0.07} Al _y)O ₂ 1.7 Microspheres for Lithium-Ion Batteries Design. ChemElectroChem, 2014, 1, 601-610.		19
130	Non-Noble Metal-Based Catalysts Applied to Hydrogen Evolution from Hydrolysis of Boron Hydrides. Small Structures, 2021, 2, 2000135.	6.9	19
131	Progress in Gel Polymer Electrolytes for Sodium-Ion Batteries. Energy and Environmental Materials, 2023, 6, .	7.3	19
132	Metallosalphen-Based 2D Covalent Organic Frameworks with an Unprecedented β Topology via K-Shaped Two-in-One Monomers. Chemistry of Materials, 2022, 34, 5888-5895.	3.2	18
133	Synthesis of Li ₂ FeSiO ₄ /C and its excellent performance in aqueous lithium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 10912.	5.2	17
134	Controlled synthesis of concentration gradient LiNi _{0.84} Co _{0.10} Mn _{0.04} Al _{0.02} O ₂ F _{0.10} with improved electrochemical properties in Li-ion batteries. RSC Advances, 2016, 6, 58173-58181.		17
135	Synergistic Effect Initiating Ni _{1-x} CoxMoO ₄ ·xH ₂ O as Electrodes for High-Energy-Density Asymmetric Supercapacitors. Electrochimica Acta, 2017, 228, 274-281.	2.6	17
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