Chun-Hua Chen

List of Publications by Year
in descending order

155 papers	7,113 citations	76326 40 h-index	64796 79 g-index
155 all docs	155 docs citations	155 times ranked	8535 citing authors

#	Article	IF	Citations
1	Thermal runaway caused fire and explosion of lithium ion battery. Journal of Power Sources, 2012, 208, 210-224.	7.8	2,052
2	Porous monodisperse V2O5 microspheres as cathode materials for lithium-ion batteries. Journal of Materials Chemistry, 2011, 21, 6365.	6.7	192
3	In Situ Generated Fireproof Gel Polymer Electrolyte with Li_{6.4}Ga_{0.2}La₃Zr₂O₁₂ As Initiator and Ionâ€Conductive Filler. Advanced Energy Materials, 2019, 9, 1900611.	19.5	185
4	Three-dimensional porous V2O5 cathode with ultra high rate capability. Energy and Environmental Science, 2011, 4, 2854.	30.8	157
5	A highly concentrated phosphate-based electrolyte for high-safety rechargeable lithium batteries. Chemical Communications, 2018, 54, 4453-4456.	4.1	152
6	A potassium-rich iron hexacyanoferrate/dipotassium terephthalate@carbon nanotube composite used for K-ion full-cells with an optimized electrolyte. Journal of Materials Chemistry A, 2017, 5, 19017-19024.	10.3	146
7	Sulfonic Groups Originated Dual-Functional Interlayer for High Performance Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2017, 9, 14878-14888.	8.0	126
8	High-Strength Internal Cross-Linking Bacterial Cellulose-Network-Based Gel Polymer Electrolyte for Dendrite-Suppressing and High-Rate Lithium Batteries. ACS Applied Materials & Interfaces, 2018, 10, 17809-17819.	8.0	121
9	Pre-modified Li3PS4 based interphase for lithium anode towards high-performance Li-S battery. Energy Storage Materials, 2018, 11, 16-23.	18.0	119
10	A facile dedoping approach for effectively tuning thermoelectricity and acidity of PEDOT:PSS films. Organic Electronics, 2014, 15, 641-645.	2.6	117
11	Hollow polyaniline sphere@sulfur composites for prolonged cycling stability of lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 10350-10354.	10.3	114
12	Highly disordered hard carbon derived from skimmed cotton as a high-performance anode material for potassium-ion batteries. Journal of Power Sources, 2018, 396, 533-541.	7.8	109
13	Highly sensitive room-temperature CO gas sensors: Pt and Pd nanoparticle-decorated In2O3 flower-like nanobundles. Journal of Materials Chemistry, 2012, 22, 13204.	6.7	107
14	A three-dimensional macroporous antimony@carbon composite as a high-performance anode material for potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 9629-9637.	10.3	101
15	Incorporating Flexibility into Stiffness: Selfâ€Grown Carbon Nanotubes in Melamine Sponges Enable A Lithiumâ€Metalâ€Anode Capacity of 15 mA h cm^{â^'2} Cyclable at 15 mA cm^{â^'2}. Advanced Materials, 2019, 31, e1805654.	21.0	95
16	Na[Ni_{0.4}Fe_{0.2}Mn_{0.4â^'x}Ti_x]O₂: a cathode of high capacity and superior cyclability for Na-ion batteries. Journal of Materials Chemistry A, 2014, 2, 17268-17271.	10.3	91
17	Nanoporous Adsorption Effect on Alteration of the Li⁺ Diffusion Pathway by a Highly Ordered Porous Electrolyte Additive for High-Rate All-Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2018, 10, 23874-23882.	8.0	90
18	Realization of the Li⁺ domain diffusion effect via constructing molecular brushes on the LLZTO surface and its application in all-solid-state lithium batteries. Journal of Materials Chemistry A, 2019, 7, 27304-27312.	10.3	86

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19	Surface Surgery of the Nickel-Rich Cathode Material LiNi_{0.815}Co_{0.15}Al_{0.035}O₂: Toward a Complete and Ordered Surface Layered Structure and Better Electrochemical Properties. ACS Applied Materials & Interfaces, 2016, 8, 34879-34887.	8.0	80
20	From Nature to Energy Storage: A Novel Sustainable 3D Cross-Linked Chitosanâ€“PEGGE-Based Gel Polymer Electrolyte with Excellent Lithium-Ion Transport Properties for Lithium Batteries. ACS Applied Materials & Interfaces, 2018, 10, 38526-38537.	8.0	77
21	Competing with other polyanionic cathode materials for potassium-ion batteries via fine structure design: new layered KVOPO₄ with a tailored particle morphology. Journal of Materials Chemistry A, 2019, 7, 15244-15251.	10.3	72
22	In Situ Lithiophilic Layer from H⁺/Li⁺ Exchange on Garnet Surface for the Stable Lithium-Solid Electrolyte Interface. ACS Applied Materials & Interfaces, 2019, 11, 35030-35038.	8.0	70
23	In situ formation of LiF decoration on a Li-rich material for long-cycle life and superb low-temperature performance. Journal of Materials Chemistry A, 2019, 7, 11513-11519.	10.3	67
24	Simultaneously Exfoliated Boron-Doped Graphene Sheets To Encapsulate Sulfur for Applications in Lithiumâ€“Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 9661-9670.	6.7	63
25	A vanadium-based metalâ€“organic phosphate framework material K₂[(VO)₂(HPO₄)₂(C₂O₄)] as a cathode for potassium-ion batteries. Chemical Communications, 2019, 55, 659-662.	4.1	61
26	Hollow V₂O₅ Nanoassemblies for High-Performance Room-Temperature Hydrogen Sensors. ACS Applied Materials & Interfaces, 2015, 7, 8480-8487.	8.0	59
27	Lithium chromium oxide modified spinel LiCrTiO4 with improved electrochemical properties. Journal of Materials Chemistry, 2012, 22, 20861.	6.7	57
28	Improving the electrochemical performance of Li-rich Li1.2Ni0.2Mn0.6O2 by using Ni-Mn oxide surface modification. Journal of Power Sources, 2018, 390, 13-19.	7.8	57
29	Interconnected CoFe₂O₄â€“Polypyrrole Nanotubes as Anode Materials for High Performance Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 36927-36935.	8.0	56
30	Great enhancements in the thermoelectric power factor of BiSbTe nanostructured films with well-ordered interfaces. Nanoscale, 2013, 5, 7017.	5.6	53
31	Role of Stress in the Self-Limiting Oxidation of Copper Nanoparticles. Journal of Physical Chemistry B, 2005, 109, 20669-20672.	2.6	51
32	Porous carbon-coated NaTi₂(PO₄)₃ with superior rate and low-temperature properties. Journal of Materials Chemistry A, 2018, 6, 2365-2370.	10.3	51
33	A long lifespan potassium-ion full battery based on KVPO4F cathode and VPO4 anode. Journal of Power Sources, 2020, 451, 227739.	7.8	51
34	Cobalt Phosphide Nanoflake-Induced Flower-like Sulfur for High Redox Kinetics and Fast Ion Transfer in Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 49626-49635.	8.0	50
35	Enhancement of long stability of Liâ€“S battery by thin wall hollow spherical structured polypyrrole based sulfur cathode. RSC Advances, 2014, 4, 21612-21618.	3.6	47
36	Three-dimensional porous Fe0.1V2O5.15 thin film as a cathode material for lithium ion batteries. Electrochimica Acta, 2012, 64, 81-86.	5.2	45

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37	Hollow sphere structured V₂O₃@C as an anode material for high capacity potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 13261-13266.	10.3	45
38	Mixed-carbon-coated LiMn0.4Fe0.6PO4 nanopowders with excellent high rate and low temperature performances for lithium-ion batteries. Electrochimica Acta, 2016, 196, 377-385.	5.2	44
39	Cobalt-substituted Na0.44Mn1-xCoxO2: phase evolution and a high capacity positive electrode for sodium-ion batteries. Electrochimica Acta, 2016, 213, 496-503.	5.2	43
40	In situ catalytic formation of graphene-like graphitic layer decoration on Na₃V_{2â^'x}Ga_x(PO₄)₃ (0 â‰ x â‰ 0.6) for ultrafast and high energy sodium storage. Journal of Materials Chemistry A, 2019, 7, 4660-4667.	10.3	43
41	From nanomelting to nanobeads: nanostructured Sb_xBi_{1â^'x} alloys anchored in three-dimensional carbon frameworks as a high-performance anode for potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 27041-27047.	10.3	43
42	Towards improved structural stability and electrochemical properties of a Li-rich material by a strategy of double gradient surface modification. Nano Energy, 2019, 61, 411-419.	16.0	42
43	High-areal-capacity thick cathode with vertically-aligned micro-channels for advanced lithium ion batteries. Energy Storage Materials, 2021, 39, 287-293.	18.0	41
44	Improving the electrochemical properties of high-energy cathode material LiNi0.5Co0.2Mn0.3O2 by Zr doping and sintering in oxygen. Solid State Ionics, 2015, 279, 11-17.	2.7	38
45	The role of potassium ions in iron hexacyanoferrate as a cathode material for hybrid ion batteries. Electrochimica Acta, 2016, 220, 114-121.	5.2	38
46	Zr-MOF/Polyaniline Composite Films with Exceptional Seebeck Coefficient for Thermoelectric Material Applications. ACS Applied Materials & Interfaces, 2019, 11, 3400-3406.	8.0	37
47	Architecture controlled synthesis of flower-like In2O3 nanobundles with significantly enhanced ultraviolet scattering and ethanol sensing. CrystEngComm, 2012, 14, 5589.	2.6	36
48	Open mesoporous spherical shell structured Co3O4with highly efficient catalytic performance in Liâ€“O2batteries. Journal of Materials Chemistry A, 2015, 3, 7600-7606.	10.3	36
49	A 3D Cu current collector with a biporous structure derived by a phase inversion tape casting method for stable Li metal anodes. Journal of Materials Chemistry A, 2019, 7, 17376-17385.	10.3	36
50	Facilitating Lithium-Ion Diffusion in Layered Cathode Materials by Introducing Li ⁺ /Ni ²⁺ Antisite Defects for High-Rate Li-Ion Batteries. Research, 2019, 2019, 2198906.	5.7	36
51	In-situ construction of lithiophilic interphase in vertical micro-channels of 3D copper current collector for high performance lithium-metal batteries. Energy Storage Materials, 2021, 34, 22-27.	18.0	35
52	In situ carbon coated flower-like VPO₄ as an anode material for potassium-ion batteries. Chemical Communications, 2019, 55, 13916-13919.	4.1	33
53	Synthesis and electrochemical properties of high performance yolk-structured LiMn₂O₄microspheres for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 860-867.	10.3	32
54	Facile Synthesis of Diamino-Modified Graphene/Polyaniline Semi-Interpenetrating Networks with Practical High Thermoelectric Performance. ACS Applied Materials & Interfaces, 2018, 10, 4946-4952.	8.0	30

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55	Trace ethanol as an efficient electrolyte additive to reduce the activation voltage of the Li₂S cathode in lithium-ionâ€“sulfur batteries. Chemical Communications, 2019, 55, 10088-10091.	4.1	29
56	High-yield microstructure-controlled amorphous carbon anode materials through a pre-oxidation strategy for sodium ion batteries. Journal of Alloys and Compounds, 2019, 786, 468-474.	5.5	28
57	Sulfone-assisted-NH4I as electrolyte additive with synergistic dissolution and catalysis effects on reducing the activation voltage of Li2S cathode. Chemical Engineering Journal, 2020, 398, 125608.	12.7	28
58	A high energy density full lithium-ion cell based on specially matched coulombic efficiency. Journal of Materials Chemistry A, 2016, 4, 4117-4124.	10.3	27
59	Surface Li⁺/K⁺ Exchange toward Double-Gradient Modification of Layered Li-Rich Cathode Materials. ACS Applied Materials & Interfaces, 2019, 11, 31477-31483.	8.0	27
60	C80 Calorimeter Studies of the Thermal Behavior of LiPF6 Solutions. Journal of Solution Chemistry, 2006, 35, 179-189.	1.2	26
61	Fabrication of nanosized metallic copper by electrochemical milling process. Journal of Materials Science, 2008, 43, 1492-1496.	3.7	26
62	Controlling uniform deposition of discharge products at the nanoscale for rechargeable Naâ€“O₂ batteries. Journal of Materials Chemistry A, 2016, 4, 7238-7244.	10.3	26
63	A novel design strategy of a practical carbon anode material from a single lignin-based surfactant source for sodium-ion batteries. Chemical Communications, 2020, 56, 6078-6081.	4.1	26
64	In situ catalytic formation of graphene decoration on Na₃V₂(PO₄)₃ particles for ultrafast and long-life sodium storage. Journal of Materials Chemistry A, 2016, 4, 16801-16804.	10.3	24
65	Cesium doping to improve the electrochemical performance of layered Li1.2Ni0.13Co0.13Mn0.54O2 cathode material. Journal of Alloys and Compounds, 2019, 791, 100-108.	5.5	24
66	High rate LiMn2O4/carbon nanotube composite prepared by a two-step hydrothermal process. Journal of Power Sources, 2014, 268, 491-497.	7.8	23
67	Vanadium-doped lithium-rich layered-structured cathode material Li_{1.2}Ni_{0.2}Mn_{0.6}O₂ with a high specific capacity and improved rate performance. RSC Advances, 2016, 6, 30194-30198.	3.6	23
68	Self-assembled bismuth telluride films with well-aligned zero- to three-dimensional nanoblocks for thermoelectric applications. CrystEngComm, 2011, 13, 5956.	2.6	21
69	Hydrothermal synthesis of ultra-thin LiFePO4 platelets for Li-ion batteries. Journal of Materials Science, 2011, 46, 4906-4912.	3.7	21
70	Microregion Welding Strategy Prevents the Formation of Inactive Sulfur Species for Highâ€Performance Liâ€“S Battery. Advanced Energy Materials, 2021, 11, 2102024.	19.5	21
71	Introducing a Pseudocapacitive Lithium Storage Mechanism into Graphite by Defect Engineering for Fast-Charging Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 16279-16288.	8.0	21
72	Solid polymer electrolyte based on waterborne polyurethane for allâ€solidâ€state lithium ion batteries. Journal of Applied Polymer Science, 2017, 134, 45554.	2.6	20

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73	A coreâ€“shell cathode substrate for developing high-loading, high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 24841-24847.	10.3	20
74	In Situ-Formed Cr₂O₃ Coating on NaCrO₂ with Improved Sodium Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 44671-44678.	8.0	20
75	Hollow-Sphere-Structured Na₄Fe₃(PO₄)₂(P₂O₇)/C as a Cathode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 25972-25980.	8.0	20
76	A microstructure engineered perovskite super anode with Li-storage life of exceeding 10,000 cycles. Nano Energy, 2022, 94, 106972.	16.0	19
77	Suppressing the Unfavorable Surface Layer Growth on Na_{0.44}MnO₂ Cathode by a NaTi₂(PO₄)₃ Coating To Improve Cycling Stability and Ultrahigh Rate Capability. ACS Applied Energy Materials, 2019, 2, 7497-7503.	5.1	18
78	Electronic structure regulation of Na2FePO4F cathode toward superior high-rate and high-temperature sodium-ion batteries. Energy Storage Materials, 2022, 45, 851-860.	18.0	18
79	Optical and electrical properties of ink-jet printed indiumâ€“tin-oxide nanoparticle films. Materials Letters, 2011, 65, 3336-3339.	2.6	17
80	La₄NiLiO₈-Shielded Layered Cathode Materials for Emerging High-Performance Safe Batteries. ACS Applied Materials & Interfaces, 2020, 12, 826-835.	8.0	17
81	Introducing a conductive pillar: a polyaniline intercalated layered titanate for high-rate and ultra-stable sodium and potassium ion storage. Chemical Communications, 2020, 56, 8392-8395.	4.1	17
82	Electrochemical performances of nano-Co3O4 with different morphologies as anode materials for Li-ion batteries. Ionics, 2012, 18, 591-597.	2.4	16
83	One-step synthesis and effect of heat-treatment on the structure and electrochemical properties of LiNi0.5Mn1.5O4 cathode material for lithium-ion batteries. Electrochimica Acta, 2014, 133, 515-521.	5.2	16
84	A comparative study on nanocrystalline layered and crystalline cubic TiP₂O₇ for rechargeable Li/Na/K alkali metal batteries. Journal of Materials Chemistry A, 2018, 6, 15230-15236.	10.3	16
85	Graphene encircled KFeSO₄F cathode composite for high energy density potassium-ion batteries. Chemical Communications, 2020, 56, 10050-10053.	4.1	16
86	Morphological determination of face-centered-cubic metallic nanoparticles by X-ray diffraction. Journal of Colloid and Interface Science, 2012, 369, 129-133.	9.4	15
87	Solvothermal synthesized LiMn_{1â^'x}Fe_xPO₄@C nanopowders with excellent high rate and low temperature performances for lithium-ion batteries. RSC Advances, 2016, 6, 52271-52278.	3.6	15
88	Ternary Porous Sulfur/Dual-Carbon Architectures for Lithium/Sulfur Batteries Obtained Continuously and on a Large Scale via an Industry-Oriented Spray-Pyrolysis/Sublimation Method. ACS Applied Materials & Interfaces, 2016, 8, 25251-25260.	8.0	15
89	Synthesis of porous carbon-coated NaTi₂(PO₄)₃ nanocubes with a high-yield and superior rate properties. Journal of Materials Chemistry A, 2018, 6, 24503-24508.	10.3	15
90	NiO functionalized Co3O4 hetero-nanocomposites with a novel apple-like architecture for CO gas sensing applications. Materials Letters, 2019, 255, 126508.	2.6	15

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91	High ICE Hard Carbon Anodes for Lithium-Ion Batteries Enabled by a High Work Function. ACS Applied Materials & Interfaces, 2021, 13, 46813-46820.	8.0	15
92	A chromium oxide solution modified lithium titanium oxide with much improved rate performance. Journal of Materials Chemistry A, 2013, 1, 15310.	10.3	14
93	Performance of Na0.44Mn1â^'xMxO2 (M = Ni, Mg; 0 â‰¤ x â‰¤ 0.44) as a cathode for rechargeable sodium ion batteries. Journal of Solid State Electrochemistry, 2019, 23, 2979-2988.	2.5	13
94	Facile growth of silver crystals with greatly varied morphologies by PEO-PPO-PEO tri-block copolymers. CrystEngComm, 2012, 14, 2871.	2.6	12
95	A facile surface treatment utilizing binary mixtures of ammonium salts and polar solvents for multiply enhancing thermoelectric PEDOT: PSS films. Journal of Polymer Science Part A, 2014, 52, 3303-3306.	2.3	12
96	Superassembling of Bi₂Te₃hierarchical nanostructures for enhanced thermoelectric performance. Journal of Materials Chemistry A, 2015, 3, 10459-10465.	10.3	12
97	Enhanced thermoelectricity of three-dimensionally mesostructured Bi_xSb_{2â^'x}Te₃nanoassemblies: from micro-scaled open gaps to isolated sealed mesopores. Nanoscale, 2017, 9, 3283-3292.	5.6	12
98	Comparative study of the electrochemical properties of LiNi0.5Mn1.5O4 doped by bivalent ions (Cu2+,) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	12
99	A Lithiophilic 3D Conductive Skeleton for High Performance Li Metal Battery. ACS Applied Energy Materials, 2020, 3, 7265-7271.	5.1	12
100	Highly transparent cerium doped gadolinium gallium aluminum garnet ceramic prepared with precursors fabricated by ultrasonic enhanced chemical co-precipitation. Ultrasonics Sonochemistry, 2017, 39, 792-797.	8.2	11
101	Self-Template Synthesis of NaCrO₂ Submicrospheres for Stable Sodium Storage. ACS Applied Materials & Interfaces, 2021, 13, 12203-12210.	8.0	11
102	Effect of Ionic Liquid on Structure and Properties of Polysquaraines. Macromolecules, 2012, 45, 3010-3016.	4.8	10
103	Synthesis of graphene-modified Li3V2(PO4)3 with superior electrochemical properties via a catalytic solid-state-reaction process. Journal of Alloys and Compounds, 2017, 717, 1-7.	5.5	10
104	A novel lithium-ion battery comprising Li-rich@Cr2O5 composite cathode and Li4Ti5O12 anode with controllable coulombic efficiency. Science China Materials, 2017, 60, 839-848.	6.3	10
105	Layered LiNi0.80Co0.15Al0.05O2 as cathode material for hybrid Li+/Na+ batteries. Journal of Solid State Electrochemistry, 2018, 22, 3431-3442.	2.5	10
106	A hydrogel-enabled free-standing polypyrrole cathode film for potassium ion batteries with high mass loading and low-temperature stability. Journal of Materials Chemistry A, 2021, 9, 15045-15050.	10.3	10
107	Active-Site-Specific Structural Engineering Enabled Ultrahigh Rate Performance of the NaLi₃Fe₃(PO₄)₂(P₂O₇) Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 11255-11263.	8.0	10
108	Challenges and strategies to optimize the figure of merit: Keeping eyes on thermoelectric metamaterials. Materials Science in Semiconductor Processing, 2022, 150, 106944.	4.0	10

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109	Nonstoichiometric Li1Â±x Ni0.5Mn1.5O4 with different structures and electrochemical properties. Science Bulletin, 2012, 57, 4176-4180.	1.7	9
110	Smart assembling of multi-scaled functional interfaces in thermoelectric Ga₂Te₃/Te hetero-nanocomposites. Nanoscale, 2014, 6, 14280-14288.	5.6	9
111	Improving the electrochemical performance of LiNi0.5Co0.2Mn0.3O2 by double-layer coating with Li2TiO3 for lithium-ion batteries. Ionics, 2016, 22, 2235-2238.	2.4	9
112	Novel Siloxane-Modified Epoxy Resins as Promising Encapsulant for LEDs. Polymers, 2020, 12, 21.	4.5	9
113	Li 1.5 Al 0.5 Ge 1.5 (PO 4) 3 Ceramic Based Lithiumâ€Sulfur Batteries with High Cycling Stability Enabled by a Dual Confinement Effect for Polysulfides. ChemElectroChem, 2020, 7, 4093-4100.	3.4	9
114	Characteristics of Thermosetting Polymer Nanocomposites: Siloxane-Imide-Containing Benzoxazine with Silsesquioxane Epoxy Resins. Polymers, 2020, 12, 2510.	4.5	9
115	In situ coating of a lithiophilic interphase on a biporous Cu scaffold with vertical microchannels for dendrite-free Li metal batteries. Journal of Materials Chemistry A, 2021, 9, 13642-13652.	10.3	9
116	Transparent SiO2-Ag core-satellite nanoparticle assembled layer for plasmonic-based chemical sensors. Applied Physics Letters, 2012, 100, 223101.	3.3	8
117	Synthesis of different CuO nanostructures by a new catalytic template method as anode materials for lithium-ion batteries. RSC Advances, 2015, 5, 57300-57308.	3.6	8
118	Laser co-ablation of bismuth antimony telluride and diamond-like carbon nanocomposites for enhanced thermoelectric performance. Journal of Materials Chemistry A, 2018, 6, 982-990.	10.3	8
119	3D Porous NaTi 2 (PO 4) 3 with Long Life, Superior Rate, and Lowâ€Temperature Properties. Energy Technology, 2019, 7, 1900386.	3.8	8
120	Spray drying derived wrinkled pea-shaped carbon-matrixed KVP2O7 as a cathode material for potassium-ion batteries. Journal of Alloys and Compounds, 2021, 884, 161126.	5.5	8
121	Improved thermal stability of graphite electrodes in lithium-ion batteries using 4-isopropyl phenyl diphenyl phosphate as an additive. Journal of Applied Electrochemistry, 2009, 39, 1105-1110.	2.9	7
122	The Influence of Electrode Microstructure on the Performance of Free-Standing Cathode for Aprotic Lithium-Oxygen Battery. Jom, 2016, 68, 2585-2592.	1.9	7
123	Improving the rate and low-temperature performance of LiFePO4 by tailoring the form of carbon coating from amorphous to graphene-like. Journal of Solid State Electrochemistry, 2018, 22, 797-805.	2.5	7
124	Advanced Lithium Ion Sulfur Battery Based on Spontaneous Electrochemical Exfoliation/Lithiation of Graphite in Nonaqueous Electrolytes. ACS Applied Energy Materials, 2019, 2, 3798-3804.	5.1	7
125	Auâ€“Ptâ€“Pd spherically self-assembled nano-sieves as SERS sensors. Journal of Alloys and Compounds, 2020, 843, 155885.	5.5	7
126	Long-term can-sealing protection: a stable black phosphorus nanoassembly achieved through heterogeneous hydrophobic functionalization. Nanoscale, 2021, 13, 763-775.	5.6	7

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127	Hollow sphere structured Co₃V₂O₈ as a half-conversion anode material with ultra-high pseudocapacitance effect for potassium ion batteries. Journal of Materials Chemistry A, 2021, 9, 21995-22001.	10.3	7
128	Highly Graphitic Nâ€Doped Biomassâ€Derived Hard Carbon with a Low Operating Potential for Potassiumâ€Ion Batteries. Energy Technology, 2021, 9, 2100644.	3.8	7
129	Theoretical study of electrical and electrochemical properties of cyclopentanepentaone and its dicyanomethylene derivatives. International Journal of Quantum Chemistry, 2007, 107, 637-646.	2.0	6
130	Electrical Properties of NASICON-type Structured Li1.3Al0.3Ti1.7(PO4)3 Solid Electrolyte Prepared by 1,2-Propylene glycol-assisted Sol-gel Method. Chinese Journal of Chemical Physics, 2012, 25, 703-707.	1.3	6
131	Controlled synthesis and CO sensing potentials of size-tunable highly-uniform mesoporous Co3O4 nanospheres. Journal of Alloys and Compounds, 2020, 816, 152524.	5.5	6
132	A first report on ex-situ synthesis and utilization of pure La4NiLiO8 in emerging high-performance safe batteries. Journal of Alloys and Compounds, 2020, 821, 153208.	5.5	6
133	Controlled synthesis of Pt and Co3O4 dual-functionalized In2O3 nanoassemblies for room temperature detection of carbon monoxide. New Journal of Chemistry, 2018, 42, 16478-16482.	2.8	5
134	Structural and Optical Properties of Novel In2O3 Nanoparticle-Assembled Nanorods. Plasmonics, 2010, 5, 233-239.	3.4	4
135	Protected Sulfur Cathode with Mixed Conductive Coating Layer for Lithium Sulfur Battery. Jom, 2016, 68, 2601-2606.	1.9	4
136	Biomimetic mitochondrial nanostructures boost the battery performance. Sustainable Energy and Fuels, 2019, 3, 2015-2023.	4.9	4
137	Ptâ€“Pd Floating Nanoarrays Templated on Pluronic F127 Micelles as Effective Surface-Enhanced Raman Scattering Sensors. ACS Applied Nano Materials, 2019, 2, 2515-2524.	5.0	4
138	Introducing a cell moisturizer: organogel nano-beads with rapid response to electrolytes for Prussian white analogue based non-aqueous potassium ion battery. Chemical Communications, 2020, 56, 9719-9722.	4.1	4
139	Cr2P2O7 as a Novel Anode Material for Sodium and Lithium Storage. Materials, 2020, 13, 3139.	2.9	4
140	Periodic DLC Interlayer-Functionalized Biâ€“Sbâ€“Te-Based Nanostructures: A Novel Concept for Building Heterogenized Superarchitectures with Enhanced Thermoelectric Performance. ACS Applied Materials & Interfaces, 2022, 14, 9307-9317.	8.0	4
141	Ultra-stable potassium storage and hybrid mechanism of perovskite fluoride KFeF₃/rGO. Nanoscale, 2022, 14, 5347-5355.	5.6	4
142	An electron microscopic investigation of structural variation of V2O5 fibers after working as ethanol sensors. Applied Physics Letters, 2008, 93, 173510.	3.3	3
143	Urchin-like Co3O4 Nanostructure and Their Electrochemical Behavior in Rechargeable Lithium Ion Battery. Chinese Journal of Chemical Physics, 2011, 24, 343-347.	1.3	3
144	Improving interfacial electrochemistry of LiNi0.5Mn1.5O4 cathode coated by Mn3O4. Chinese Journal of Chemical Physics, 2020, 33, 485-490.	1.3	3

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145	Communicationâ€"Synthesis of Highly-Branched Silver Nanocrystals for EMI Shielding Applications. Journal of the Electrochemical Society, 2021, 168, 012505.	2.9	3
146	Submicrometer Rod-Structured Na₇V₄ (P₂O₇)₄(PO₄)/C as a Cathode Material for Sodium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10298-10305.	5.1	3
147	Nanosized Spinel Li4Ti5O12Anode Material Prepared by Gel-polymer Method using Furfuryl Alcohol as Polymerizable Solvent. Chinese Journal of Chemical Physics, 2012, 25, 457-462.	1.3	2
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