Chun-Hua Chen

List of Publications by Year
in descending order

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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	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
2	A microstructure engineered perovskite super anode with Li-storage life of exceeding 10,000 cycles. Nano Energy, 2022, 94, 106972.	16.0	19
3	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
4	Ultra-stable potassium storage and hybrid mechanism of perovskite fluoride KFeF₃/rGO. Nanoscale, 2022, 14, 5347-5355.	5.6	4
5	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
6	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
7	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
8	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
9	Long-term can-sealing protection: a stable black phosphorus nanoassembly achieved through heterogeneous hydrophobic functionalization. Nanoscale, 2021, 13, 763-775.	5.6	7
10	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
11	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
12	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
13	Communicationâ€”Synthesis of Highly-Branched Silver Nanocrystals for EMI Shielding Applications. Journal of the Electrochemical Society, 2021, 168, 012505.	2.9	3
14	Self-Template Synthesis of NaCrO₂ Submicrospheres for Stable Sodium Storage. ACS Applied Materials & Interfaces, 2021, 13, 12203-12210.	8.0	11
15	Lithiophilic NiO Nanoarrays-Modified Ni Skeletons with Vertical Channels for High-Loading Li Metal Batteries. Journal of the Electrochemical Society, 2021, 168, 050536.	2.9	1
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	La₄NiLiO₈-Shielded Layered Cathode Materials for Emerging High-Performance Safe Batteries. ACS Applied Materials & Interfaces, 2020, 12, 826-835.	8.0	17
25	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
26	Novel Siloxane-Modified Epoxy Resins as Promising Encapsulant for LEDs. Polymers, 2020, 12, 21.	4.5	9
27	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
28	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
29	Graphene encircled KFeSO₄F cathode composite for high energy density potassium-ion batteries. Chemical Communications, 2020, 56, 10050-10053.	4.1	16
30	Cr2P2O7 as a Novel Anode Material for Sodium and Lithium Storage. Materials, 2020, 13, 3139.	2.9	4
31	Improving interfacial electrochemistry of LiNi0.5Mn1.5O4 cathode coated by Mn3O4. Chinese Journal of Chemical Physics, 2020, 33, 485-490.	1.3	3
32	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
33	In Situ-Formed Cr₂O₃ Coating on NaCrO₂ with Improved Sodium Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 44671-44678.	8.0	20
34	Characteristics of Thermosetting Polymer Nanocomposites: Siloxane-Imide-Containing Benzoxazine with Silsesquioxane Epoxy Resins. Polymers, 2020, 12, 2510.	4.5	9
35	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
36	Auâ€“Ptâ€“Pd spherically self-assembled nano-sieves as SERS sensors. Journal of Alloys and Compounds, 2020, 843, 155885.	5.5	7

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37	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
38	A Lithiophilic 3D Conductive Skeleton for High Performance Li Metal Battery. ACS Applied Energy Materials, 2020, 3, 7265-7271.	5.1	12
39	A long lifespan potassium-ion full battery based on KVPO4F cathode and VPO4 anode. Journal of Power Sources, 2020, 451, 227739.	7.8	51
40	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
41	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
42	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
43	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
44	NiO functionalized Co3O4 hetero-nanocomposites with a novel apple-like architecture for CO gas sensing applications. Materials Letters, 2019, 255, 126508.	2.6	15
45	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
46	Poly(vinyl alcohol)â€controlled synthesis of monodispersed crosslinked poly(methyl methacrylate) microparticles with significantly improved mechanical properties. Polymer International, 2019, 68, 1315-1321.	3.1	2
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	3D Porous NaTi 2 (PO 4) 3 with Long Life, Superior Rate, and Lowâ€Temperature Properties. Energy Technology, 2019, 7, 1900386.	3.8	8

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55	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
56	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
57	Biomimetic mitochondrial nanostructures boost the battery performance. Sustainable Energy and Fuels, 2019, 3, 2015-2023.	4.9	4
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	In situ carbon coated flower-like VPO₄ as an anode material for potassium-ion batteries. Chemical Communications, 2019, 55, 13916-13919.	4.1	33
67	Zr-MOF/Polyaniline Composite Films with Exceptional Seebeck Coefficient for Thermoelectric Material Applications. ACS Applied Materials & Interfaces, 2019, 11, 3400-3406.	8.0	37
68	Comparative study of the electrochemical properties of P4332 and Fd3m space group of LiNi0.45Cu0.05Mn1.5O4 cathode materials. SN Applied Sciences, 2019, 1, 1.	2.9	1
69	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
70	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
71	A highly concentrated phosphate-based electrolyte for high-safety rechargeable lithium batteries. Chemical Communications, 2018, 54, 4453-4456.	4.1	152
72	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

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73	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
74	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
75	Pre-modified Li3PS4 based interphase for lithium anode towards high-performance Li-S battery. Energy Storage Materials, 2018, 11, 16-23.	18.0	119
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
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	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
86	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
87	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
88	Sulfonic Groups Originated Dual-Functional Interlayer for High Performance Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2017, 9, 14878-14888.	8.0	126
89	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
90	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

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91	Interconnected CoFe₂O₄â€“Polypyrrole Nanotubes as Anode Materials for High Performance Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 36927-36935.	8.0	56
92	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
93	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
94	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
95	Catalytic Effects of High-Valent Transition Metal Oxides on Different Carbonization Behaviours of Polyvinyl Alcohol. ChemistrySelect, 2017, 2, 9450-9453.	1.5	1
96	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
97	Nano-Li3V2(PO4)3/C Synthesized by Thermal Polymerization Method as Cathode Material for Lithium Ion Batteries. Chinese Journal of Chemical Physics, 2016, 29, 699-702.	1.3	2
98	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
99	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
100	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
101	Protected Sulfur Cathode with Mixed Conductive Coating Layer for Lithium Sulfur Battery. Jom, 2016, 68, 2601-2606.	1.9	4
102	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
103	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
104	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
105	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
106	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
107	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
108	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

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109	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
110	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
111	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
112	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
113	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
114	Copolymer and platinum ion assisted growth of functionalized gold nanonests. New Journal of Chemistry, 2015, 39, 110-114.	2.8	0
115	Superassembling of Bi₂Te₃hierarchical nanostructures for enhanced thermoelectric performance. Journal of Materials Chemistry A, 2015, 3, 10459-10465.	10.3	12
116	Hollow V₂O₅ Nanoassemblies for High-Performance Room-Temperature Hydrogen Sensors. ACS Applied Materials & Interfaces, 2015, 7, 8480-8487.	8.0	59
117	Smart assembling of multi-scaled functional interfaces in thermoelectric Ga₂Te₃/Te hetero-nanocomposites. Nanoscale, 2014, 6, 14280-14288.	5.6	9
118	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
119	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
120	High rate LiMn2O4/carbon nanotube composite prepared by a two-step hydrothermal process. Journal of Power Sources, 2014, 268, 491-497.	7.8	23
121	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
122	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
123	A facile dedoping approach for effectively tuning thermoelectricity and acidity of PEDOT:PSS films. Organic Electronics, 2014, 15, 641-645.	2.6	117
124	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
125	Great enhancements in the thermoelectric power factor of BiSbTe nanostructured films with well-ordered interfaces. Nanoscale, 2013, 5, 7017.	5.6	53
126	A chromium oxide solution modified lithium titanium oxide with much improved rate performance. Journal of Materials Chemistry A, 2013, 1, 15310.	10.3	14

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127	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
128	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
129	Transparent SiO2-Ag core-satellite nanoparticle assembled layer for plasmonic-based chemical sensors. Applied Physics Letters, 2012, 100, 223101.	3.3	8
130	Architecture controlled synthesis of flower-like In2O3 nanobundles with significantly enhanced ultraviolet scattering and ethanol sensing. CrystEngComm, 2012, 14, 5589.	2.6	36
131	Facile growth of silver crystals with greatly varied morphologies by PEO-PPO-PEO tri-block copolymers. CrystEngComm, 2012, 14, 2871.	2.6	12
132	Effect of Ionic Liquid on Structure and Properties of Polysquaraines. Macromolecules, 2012, 45, 3010-3016.	4.8	10
133	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
134	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
135	Nonstoichiometric Li1Â±x Ni0.5Mn1.5O4 with different structures and electrochemical properties. Science Bulletin, 2012, 57, 4176-4180.	1.7	9
136	Lithium chromium oxide modified spinel LiCrTiO4 with improved electrochemical properties. Journal of Materials Chemistry, 2012, 22, 20861.	6.7	57
137	Electrochemical performances of nano-Co3O4 with different morphologies as anode materials for Li-ion batteries. Ionics, 2012, 18, 591-597.	2.4	16
138	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
139	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
140	Thermal runaway caused fire and explosion of lithium ion battery. Journal of Power Sources, 2012, 208, 210-224.	7.8	2,052
141	Three-dimensional porous V2O5 cathode with ultra high rate capability. Energy and Environmental Science, 2011, 4, 2854.	30.8	157
142	Self-assembled bismuth telluride films with well-aligned zero- to three-dimensional nanoblocks for thermoelectric applications. CrystEngComm, 2011, 13, 5956.	2.6	21
143	Porous monodisperse V2O5 microspheres as cathode materials for lithium-ion batteries. Journal of Materials Chemistry, 2011, 21, 6365.	6.7	192
144	X-ray effects on the oxidation of Cu nanoparticles. Materials Letters, 2011, 65, 1822-1824.	2.6	1

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145	Optical and electrical properties of ink-jet printed indiumâ€“tin-oxide nanoparticle films. Materials Letters, 2011, 65, 3336-3339.	2.6	17
146	Hydrothermal synthesis of ultra-thin LiFePO4 platelets for Li-ion batteries. Journal of Materials Science, 2011, 46, 4906-4912.	3.7	21
147	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
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