Yingjing Wei

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Highâ€Voltage Aqueous Mgâ€Ion Batteries Enabled by Solvation Structure Reorganization. Advanced Functional Materials, 2022, 32, 2110674.	7.8	38
2	Ordered Dual-Channel carbon embedded with molybdenum nitride catalytically induced High-Performance Lithium-Sulfur battery. Chemical Engineering Journal, 2022, 431, 134163.	6.6	16
3	Temperature-Dependent Nucleation and Electrochemical Performance of Zn Metal Anodes. Nano Letters, 2022, 22, 1549-1556.	4.5	39
4	Redox mediators for high-performance lithiumâ€“oxygen batteries. National Science Review, 2022, 9, nwac040.	4.6	54
5	Understanding rechargeable magnesium ion batteries via first-principles computations: A comprehensive review. Energy Storage Materials, 2022, 48, 344-355.	9.5	24
6	Bipolar CoSe2 nanocrystals embedded in porous carbon nanocages as an efficient electrocatalyst for Li-S batteries. Chemical Engineering Journal, 2022, 440, 135820.	6.6	25
7	First-principles calculations of bulk WX₂ (X = Se, Te) as anode materials for Na ion battery. Journal of Physics Condensed Matter, 2022, 34, 324001.	0.7	5
8	Inverse design and high-throughput screening of TM-A (TM: Transition metal; A: O, S, Se) cathodes for chloride-ion batteries. Energy Storage Materials, 2022, 51, 80-87.	9.5	7
9	Revealing the distinct electrochemical properties of TiSe2 monolayer and bulk counterpart in Li-ion batteries by first-principles calculations. Applied Surface Science, 2021, 540, 148314.	3.1	19
10	Aluminium pre-intercalated orthorhombic V2O5 as high-performance cathode material for aqueous zinc-ion batteries. Applied Surface Science, 2021, 538, 148043.	3.1	63
11	Tuning the structure and morphology of Li2O2 by controlling the crystallinity of catalysts for Li-O2 batteries. Chemical Engineering Journal, 2021, 409, 128145.	6.6	45
12	High-throughput screening of TMOCl cathode materials based on the full-cell system for chloride-ion batteries. Journal of Materials Chemistry A, 2021, 9, 23169-23177.	5.2	9
13	Hierarchical Porous Carbon Nanotube Spheres for High-performance K-O2 Batteries. Chemical Research in Chinese Universities, 2021, 37, 254-258.	1.3	2
14	Mesoporous Niobium Nitride Nanowires Encapsulated in Carbon for High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Nano Materials, 2021, 4, 2606-2613.	2.4	8
15	Mechanisms of the Planar Growth of Lithium Metal Enabled by the 2D Lattice Confinement from a Ti₃C₂T<i>_x</i> MXene Intermediate Layer. Advanced Functional Materials, 2021, 31, 2010987.	7.8	33
16	Magnesium Ion Storage Properties in a Layered (NH₄)₂V₆O₁₆Â·1.5H₂O Nanobelt Cathode Material Activated by Lattice Water. ACS Applied Materials & Interfaces, 2021, 13, 30625-30632.	4.0	20
17	Flexible structural changes of the oxocarbon salt K2C6O6 during potassium ion insertion: An in-depth first-principles study. Electrochimica Acta, 2021, 383, 138357.	2.6	4
18	A Rigid-Flexible Protecting Film with Surface Pits Structure for Dendrite-Free and High-Performance Lithium Metal Anode. Nano Letters, 2021, 21, 7063-7069.	4.5	24

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19	Vacancy engineering in VS2 nanosheets for ultrafast pseudocapacitive sodium ion storage. Chemical Engineering Journal, 2021, 421, 129715.	6.6	56
20	Performance improvement of MXene-based perovskite solar cells upon property transition from metallic to semiconductive by oxidation of Ti₃C₂T_xin air. Journal of Materials Chemistry A, 2021, 9, 5016-5025.	5.2	77
21	Designing of Efficient Bifunctional ORR/OER Pt Single-Atom Catalysts Based on O-Terminated MXenes by First-Principles Calculations. ACS Applied Materials & Interfaces, 2021, 13, 52508-52518.	4.0	29
22	Identification of a better charge redox mediator for lithiumâ€“oxygen batteries. Energy Storage Materials, 2020, 25, 795-800.	9.5	17
23	An organicâ€“inorganic semi-interpenetrating network ionogel electrolyte for high-voltage lithium metal batteries. Journal of Materials Chemistry A, 2020, 8, 4775-4783.	5.2	27
24	Q-Carbon: A New Carbon Allotrope with a Low Degree of sâ€“p Orbital Hybridization and Its Nucleation Lithiation Process in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 619-626.	4.0	16
25	Screening effective single-atom ORR and OER electrocatalysts from Pt decorated MXenes by first-principles calculations. Journal of Materials Chemistry A, 2020, 8, 17065-17077.	5.2	70
26	<i>In Operando</i> Synchrotron Studies of NH₄⁺ Preintercalated V₂O₅Â·<i>n</i>H₂O Nanobelts as the Cathode Material for Aqueous Rechargeable Zinc Batteries. ACS Nano, 2020, 14, 11809-11820.	7.3	87
27	Hierarchical Aluminum Vanadate Microspheres with Structural Water: Highâ€Performance Cathode Materials for Aqueous Rechargeable Zinc Batteries. ChemPlusChem, 2020, 85, 2129-2135.	1.3	12
28	Phase transformation, charge transfer, and ionic diffusion of Na₄MnV(PO₄)₃ in sodium-ion batteries: a combined first-principles and experimental study. Journal of Materials Chemistry A, 2020, 8, 17477-17486.	5.2	23
29	Titaniumâ€Substituted Tavorite LiFeSO 4 F as Cathode Material for Lithium Ion Batteries: Firstâ€Principles Calculations and Experimental Study. ChemPlusChem, 2020, 85, 900-905.	1.3	1
30	An Amorphous/Crystalline Incorporated Si/SiO<i>_x</i> Anode Material Derived from Biomass Corn Leaves for Lithiumâ€Ion Batteries. Small, 2020, 16, e2001714.	5.2	56
31	Induction of Planar Sodium Growth on MXene (Ti₃C₂T_{<i>x</i>})-Modified Carbon Cloth Hosts for Flexible Sodium Metal Anodes. ACS Nano, 2020, 14, 8744-8753.	7.3	125
32	Experimental Investigation and First-Principles Calculations of a Ni₃Se₄ Cathode Material for Mg-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 9316-9321.	4.0	26
33	Rational design of bifunctional ORR/OER catalysts based on Pt/Pd-doped Nb₂CT₂ MXene by first-principles calculations. Journal of Materials Chemistry A, 2020, 8, 3097-3108.	5.2	104
34	Computational Screening of 2D Ordered Double Transition-Metal Carbides (MXenes) as Electrocatalysts for Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2020, 124, 10584-10592.	1.5	62
35	Understanding the mechanism of byproduct formation with <i>in operando</i> synchrotron techniques and its effects on the electrochemical performance of VO₂(B) nanoflakes in aqueous rechargeable zinc batteries. Journal of Materials Chemistry A, 2020, 8, 9567-9578.	5.2	40
36	Insight into the Anchoring and Catalytic Effects of VO₂ and VS₂ Nanosheets as Sulfur Cathode Hosts for Liâ€“S Batteries. ChemSusChem, 2019, 12, 4671-4678.	3.6	50

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37	Electronic Properties, Phase Transformation, and Anionic Redox of Monoclinic Na₂MnO₃ Cathode Material for Sodiumâ€Ion Batteries: Firstâ€Principle Calculations. ChemElectroChem, 2019, 6, 3987-3993.	1.7	12
38	<i>In situ</i> Ga-alloying in germanium nano-twists by the inhibition of fractal growth with fast Li⁺-mobility. Chemical Communications, 2019, 55, 10412-10415.	2.2	4
39	Potassium ion storage properties of Alpha-graphdiyne investigated by first-principles calculations. Electrochimica Acta, 2019, 326, 134955.	2.6	8
40	Charge transfer dynamics in chlorophyll-based biosolar cells. Physical Chemistry Chemical Physics, 2019, 21, 22563-22568.	1.3	6
41	A General Atomic Surface Modification Strategy for Improving Anchoring and Electrocatalysis Behavior of Ti₃C₂T₂ MXene in Lithiumâ€“Sulfur Batteries. ACS Nano, 2019, 13, 11078-11086.	7.3	232
42	Revealing the Pseudoâ€Intercalation Charge Storage Mechanism of MXenes in Acidic Electrolyte. Advanced Functional Materials, 2019, 29, 1902953.	7.8	176
43	Structure, charge transfer, and kinetic properties of NaVPO4F with Na+ extraction: a comprehensive first-principles study. Physical Chemistry Chemical Physics, 2019, 21, 14612-14619.	1.3	11
44	Nucleation and Conversion Transformations of the Transition Metal Polysulfide VS₄ in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22307-22313.	4.0	21
45	Healable, Highly Conductive, Flexible, and Nonflammable Supramolecular Ionogel Electrolytes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 19413-19420.	4.0	125
46	Structural prediction and multilayer Li⁺ storage in two-dimensional VC₂ carbide studied by first-principles calculations. Journal of Materials Chemistry A, 2019, 7, 8873-8881.	5.2	34
47	Superior Mg2+ storage properties of VS2 nanosheets by using an APC-PP14Cl/THF electrolyte. Energy Storage Materials, 2019, 23, 749-756.	9.5	60
48	Lithiophilic Three-Dimensional Porous Ti₃C₂T<i>_x</i>-rGO Membrane as a Stable Scaffold for Safe Alkali Metal (Li or Na) Anodes. ACS Nano, 2019, 13, 14319-14328.	7.3	123
49	Theoretical prediction and atomic-scale investigation of a tetra-VN₂monolayer as a high energy alkali ion storage material for rechargeable batteries. Journal of Materials Chemistry A, 2019, 7, 26858-26866.	5.2	18
50	Trilayer Chlorophyll-Based Cascade Biosolar Cells. ACS Energy Letters, 2019, 4, 384-389.	8.8	32
51	P-type P3HT interfacial layer induced performance improvement in chlorophyll-based solid-state solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 349-354.	2.0	6
52	Fast Li⁺ diffusion in interlayer-expanded vanadium disulfide nanosheets for Li⁺/Mg²⁺ hybrid-ion batteries. Journal of Materials Chemistry A, 2018, 6, 5782-5788.	5.2	40
53	Co₉S₈@carbon porous nanocages derived from a metalâ€“organic framework: a highly efficient bifunctional catalyst for aprotic Liâ€“O₂batteries. Journal of Materials Chemistry A, 2018, 6, 8595-8603.	5.2	71
54	H₂V₃O₈ Nanowire/Graphene Electrodes for Aqueous Rechargeable Zinc Ion Batteries with High Rate Capability and Large Capacity. Advanced Energy Materials, 2018, 8, 1800144.	10.2	427

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55	Hierarchical flower-like VS2 nanosheets â€“ A high rate-capacity and stable anode material for sodium-ion battery. Energy Storage Materials, 2018, 11, 1-7.	9.5	185
56	VS₄ Nanoparticles Anchored on Graphene Sheets as a Highâ€Rate and Stable Electrode Material for Sodium Ion Batteries. ChemSusChem, 2018, 11, 735-742.	3.6	93
57	A novel lithium difluoro(oxalate) borate and lithium hexafluoride phosphate dual-salt electrolyte for Li-excess layered cathode material. Journal of Alloys and Compounds, 2018, 736, 136-142.	2.8	25
58	Lithium poly-acrylic acid as a fast Li+ transport media and a highly stable aqueous binder for Li3V2(PO4)3 cathode electrodes. Journal of Materials Chemistry A, 2018, 6, 23357-23365.	5.2	29
59	Selfâ€Assembly of Antisite Defectless nanoâ€LiFePO₄@C/Reduced Graphene Oxide Microspheres for Highâ€Performance Lithiumâ€Ion Batteries. ChemSusChem, 2018, 11, 2255-2261.	3.6	25
60	Enhancement of performance in chlorophyll-based bulk-heterojunction organic-inorganic solar cells upon aggregate management via solvent engineering. Organic Electronics, 2018, 59, 419-426.	1.4	11
61	Mesoporous TiN microspheres as an efficient polysulfide barrier for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 14359-14366.	5.2	96
62	Atomic insight into the structural transformation and anionic/cationic redox reactions of VS₂ nanosheets in sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 15985-15992.	5.2	33
63	Phase transformation, ionic diffusion, and charge transfer mechanisms of KVOPO₄ in potassium ion batteries: first-principles calculations. Journal of Materials Chemistry A, 2018, 6, 16228-16234.	5.2	50
64	Dual Roles of Li₃N as an Electrode Additive for Liâ€Excess Layered Cathode Materials: A Liâ€Ion Sacrificial Salt and Electrodeâ€Stabilizing Agent. Chemistry - A European Journal, 2018, 24, 13815-13820.	1.7	29
65	Flexible MnSâ€“Carbon Fiber Hybrids for Lithiumâ€Ion and Sodiumâ€Ion Energy Storage. Chemistry - A European Journal, 2018, 24, 13535-13539.	1.7	58
66	Kinetically controlled synthesis of nanoporous Au and its enhanced electrocatalytic activity for glucose-based biofuel cells. Nanoscale, 2017, 9, 2514-2520.	2.8	22
67	NASICON-Type Mg_{0.5}Ti₂(PO₄)₃ Negative Electrode Material Exhibits Different Electrochemical Energy Storage Mechanisms in Na-Ion and Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4709-4718.	4.0	47
68	Hybrid graphene@MoS₂@TiO₂ microspheres for use as a high performance negative electrode material for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 3667-3674.	5.2	66
69	Competition between insertion of Li + and Mg 2+ : An example of TiO 2 -B nanowires for Mg rechargeable batteries and Li + /Mg 2+ hybrid-ion batteries. Journal of Power Sources, 2017, 346, 134-142.	4.0	70
70	Electrochemical Performance and Storage Mechanism of Ag₂Mo₂O₇ Microâ€rods as the Anode Material for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 5148-5153.	1.7	8
71	Solution synthesis of conveyor-like MnSe nanostructured architectures with an unusual core/shell magnetic structure. CrystEngComm, 2017, 19, 3331-3337.	1.3	4
72	Improved Lithiumâ€Ion and Sodiumâ€Ion Storage Properties from Fewâ€Layered WS₂ Nanosheets Embedded in a Mesoporous CMKâ€3 Matrix. Chemistry - A European Journal, 2017, 23, 7074-7080.	1.7	75

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73	Unravelling a solution-based formation of single-crystalline kinked wurtzite nanowires: The case of MnSe. Nano Research, 2017, 10, 2311-2320.	5.8	13
74	A high-performance supercapacitor based on activated carbon fibers with an optimized pore structure and oxygen-containing functional groups. Materials Chemistry Frontiers, 2017, 1, 958-966.	3.2	57
75	Two-dimensional VS₂ monolayers as potential anode materials for lithium-ion batteries and beyond: first-principles calculations. Journal of Materials Chemistry A, 2017, 5, 21370-21377.	5.2	176
76	Tunable Electrochemistry via Controlling Lattice Water in Layered Oxides of Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 34909-34914.	4.0	12
77	Co₉S₈/Co as a Highâ€Performance Anode for Sodiumâ€Ion Batteries with an Etherâ€Based Electrolyte. ChemSusChem, 2017, 10, 4778-4785.	3.6	29
78	Selfâ€Assembled CoS Nanoflowers Wrapped in Reduced Graphene Oxides as the Highâ€Performance Anode Materials for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 13150-13157.	1.7	43
79	Ultrathin TiO₂-B nanowires as an anode material for Mg-ion batteries based on a surface Mg storage mechanism. Nanoscale, 2017, 9, 12934-12940.	2.8	42
80	Investigation of chloride ion adsorption onto Ti₂C MXene monolayers by first-principles calculations. Journal of Materials Chemistry A, 2017, 5, 24720-24727.	5.2	57
81	Sodium vanadium titanium phosphate electrode for symmetric sodium-ion batteries with high power and long lifespan. Nature Communications, 2017, 8, 15888.	5.8	188
82	A long cycle-life and high safety Na⁺/Mg²⁺ hybrid-ion battery built by using a TiS₂ derived titanium sulfide cathode. Journal of Materials Chemistry A, 2017, 5, 600-608.	5.2	57
83	First-Principles Calculations of Ti₂N and Ti₂NT₂ (T = O, F, OH) Monolayers as Potential Anode Materials for Lithium-Ion Batteries and Beyond. Journal of Physical Chemistry C, 2017, 121, 13025-13034.	1.5	151
84	Lithiumâ€Rich Layered Oxide Li_{1.18}Ni_{0.15}Co_{0.15}Mn_{0.52}O₂ as the Cathode Material for Hybrid Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 11610-11616.	1.7	14
85	Electrochemical Properties and Sodiumâ€Storage Mechanism of Ag₂Mo₂O₇ as the Anode Material for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 7248-7254.	1.7	28
86	Assembly of SnSe Nanoparticles Confined in Graphene for Enhanced Sodiumâ€Ion Storage Performance. Chemistry - A European Journal, 2016, 22, 1445-1451.	1.7	77
87	Exploration of Ca_{0.5}Ti₂(PO₄)₃@carbon Nanocomposite as the High-Rate Negative Electrode for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 35336-35341.	4.0	30
88	An environmentally friendly route to synthesize Cu micro/nanomaterials with â€œsustainable oxidation resistanceâ€and promising catalytic performance. RSC Advances, 2016, 6, 35036-35043.	1.7	7
89	Alternative motif toward high-quality wurtzite MnSe nanorods via subtle sulfur element doping. Nanoscale, 2016, 8, 8784-8790.	2.8	13
90	Potential multiferroic materials of Fe-substituted BiCoO3: An ab initio study. Computational Materials Science, 2016, 119, 33-40.	1.4	4

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91	Cu Nanowires with Clean Surfaces: Synthesis and Enhanced Electrocatalytic Activity. ACS Applied Materials & Interfaces, 2016, 8, 26886-26894.	4.0	26
92	Li⁺/Mg²⁺ Hybridâ€Ion Batteries with Long Cycle Life and High Rate Capability Employing MoS₂ Nano Flowers as the Cathode Material. Chemistry - A European Journal, 2016, 22, 18073-18079.	1.7	40
93	Frontispiece: Lithiumâ€Rich Layered Oxide Li_{1.18}Ni_{0.15}Co_{0.15}Mn_{0.52}O₂ as the Cathode Material for Hybrid Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, .	1.7	0
94	Cu₃V₂O₈ Nanoparticles as Intercalationâ€Type Anode Material for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 11405-11412.	1.7	51
95	Core/Double-Shell Structured Na₃V₂(PO₄)₂F₃@C Nanocomposite as the High Power and Long Lifespan Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 31709-31715.	4.0	147
96	Multi-Functional Surface Engineering for Li-Excess Layered Cathode Material Targeting Excellent Electrochemical and Thermal Safety Properties. ACS Applied Materials & Interfaces, 2016, 8, 3308-3318.	4.0	46
97	In situ growth of MnO₂ nanosheets on activated carbon fibers: a low-cost electrode for high performance supercapacitors. RSC Advances, 2016, 6, 14819-14825.	1.7	25
98	Improved electrochemical properties of tavorite LiFeSO₄F by surface coating with hydrophilic poly-dopamine via a self-polymerization process. RSC Advances, 2016, 6, 6523-6527.	1.7	6
99	Copper-Doped Titanium Dioxide Bronze Nanowires with Superior High Rate Capability for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 7957-7965.	4.0	47
100	N-Doped and Cu-doped TiO₂-B nanowires with enhanced photoelectrochemical activity. RSC Advances, 2016, 6, 16177-16182.	1.7	17
101	NASICON-Structured NaTi₂(PO₄)₃@C Nanocomposite as the Low Operation-Voltage Anode Material for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 2238-2246.	4.0	159
102	P2â€NaCo_{0.5}Mn_{0.5}O₂ as a Positive Electrode Material for Sodiumâ€Ion Batteries. ChemPhysChem, 2015, 16, 3408-3412.	1.0	28
103	Preparation and Electrochemical Properties of Tinâ€“Ironâ€“Carbon Nanocomposite as the Anode of Lithiumâ€Ion Batteries. Chemistry - an Asian Journal, 2015, 10, 2460-2466.	1.7	5
104	Electrochemical performance of LiMn2O4/LiFePO4 blend cathodes for lithium ion batteries. Chemical Research in Chinese Universities, 2015, 31, 270-275.	1.3	23
105	Synthesis of graphene-wrapped ZnMn₂O₄ hollow microspheres as high performance anode materials for lithium ion batteries. RSC Advances, 2015, 5, 99107-99114.	1.7	37
106	Effect of nonmagnetic impurity doped on the structural and magnetic properties of quasi-one-dimensional antiferromagnet LiCuVO4. Chemical Research in Chinese Universities, 2015, 31, 457-460.	1.3	1
107	Synthesis, characterization, and photovoltaic properties of a solution-processable two-dimensional-conjugated organic small molecule containing a triphenylamine core. Journal of Materials Science, 2015, 50, 57-65.	1.7	4
108	Design and synthesis of high performance LiFePO₄/C nanomaterials for lithium ion batteries assisted by a facile H⁺/Li⁺ion exchange reaction. Journal of Materials Chemistry A, 2015, 3, 8062-8069.	5.2	24

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109	High-Performance Li(Li_{0.18}Ni_{0.15}Co_{0.15}Mn_{0.52})O₂@Li₄M<sub>5</sub Heterostructured Cathode Material Coated with a Lithium Borate Oxide Glass Layer. Chemistry of Materials, 2015, 27, 5745-5754.	3.2	76
110	Improved Electrochemical Performance and Thermal Stability of Li-excess Li1.18Co0.15Ni0.15Mn0.52O2 Cathode Material by Li3PO4 Surface Coating. Electrochimica Acta, 2015, 174, 875-884.	2.6	101
111	A feasible approach to synthesize Cu₂O microcrystals and their enhanced non-enzymatic sensor performance. RSC Advances, 2015, 5, 59099-59105.	1.7	24
112	Ultrafast lithium storage in TiO₂â€"bronze nanowires/N-doped graphene nanocomposites. Journal of Materials Chemistry A, 2015, 3, 4180-4187.	5.2	82
113	Na₃V₂(PO₄)₃/C composite as the intercalation-type anode material for sodium-ion batteries with superior rate capability and long-cycle life. Journal of Materials Chemistry A, 2015, 3, 8636-8642.	5.2	100
114	Green synthesis of 3D SnO₂/graphene aerogels and their application in lithium-ion batteries. RSC Advances, 2015, 5, 39746-39751.	1.7	25
115	Zinc chlorophyll aggregates as hole transporters for biocompatible, natural-photosynthesis-inspired solar cells. Journal of Power Sources, 2015, 297, 519-524.	4.0	34
116	Synthesis and electrochemical properties of highly crystallized CuV2O6 nanowires. Chemical Research in Chinese Universities, 2015, 31, 708-711.	1.3	3
117	Design of porous Ag platelet structures with tunable porosity and high catalytic activity. Journal of Materials Chemistry A, 2015, 3, 22339-22346.	5.2	16
118	A new layered sodium molybdenum oxide anode for full intercalation-type sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 22012-22016.	5.2	54
119	High capacity and rate capability of a layered Li2RuO3cathode utilized in hybrid Na+/Li+batteries. Journal of Materials Chemistry A, 2015, 3, 18273-18278.	5.2	11
120	Synthesis of Cuâ€"Ir nanocages with enhanced electrocatalytic activity for the oxygen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 19669-19673.	5.2	104
121	Carbon-coated Na₃V₂(PO₄)₂F₃ nanoparticles embedded in a mesoporous carbon matrix as a potential cathode material for sodium-ion batteries with superior rate capability and long-term cycle life. Journal of Materials Chemistry A, 2015, 3, 21478-21485.	5.2	183
122	Electrochemical properties and lithium-ion storage mechanism of LiCuVO4 as an intercalation anode material for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 586-592.	5.2	40
123	Excellent thermal stability of tavorite Li_xFeSO₄F used as a cathode material for lithium ion batteries. RSC Advances, 2014, 4, 64200-64203.	1.7	4
124	Synthesis of H₂V₃O₈/Reduced Graphene Oxide Composite as a Promising Cathode Material for Lithiumâ€Ion Batteries. ChemPlusChem, 2014, 79, 447-453.	1.3	52
125	Enhanced electrochemical properties of TiO2(B) nanoribbons using the styrene butadiene rubber and sodium carboxyl methyl cellulose water binder. Journal of Power Sources, 2014, 246, 95-102.	4.0	50
126	Synthesis and optimizable electrochemical performance of reduced graphene oxide wrapped mesoporous TiO₂ microspheres. Nanoscale, 2014, 6, 4108-4116.	2.8	78

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127	Studies of the electrochemical properties and thermal stability of LiNi1/3Co1/3Mn1/3O2/LiFePO4 composite cathodes for lithium ion batteries. Ionics, 2014, 20, 1087-1093.	1.2	16
128	Synthesis, characterization, and photovoltaic properties of acceptorâ€“donorâ€“acceptor organic small molecules with different terminal electron-withdrawing groups. Journal of Materials Science, 2014, 49, 5279-5288.	1.7	5
129	Solution-processable two-dimensional conjugated organic small molecules containing triphenylamine cores for photovoltaic application. New Journal of Chemistry, 2014, 38, 5009-5017.	1.4	7
130	Electrochemical performance and thermal stability of Li1.18Co0.15Ni0.15Mn0.52O2 surface coated with the ionic conductor Li3VO4. Journal of Materials Chemistry A, 2014, 2, 7555.	5.2	125
131	Improvements in the Electrochemical Kinetic Properties and Rate Capability of Anatase Titanium Dioxide Nanoparticles by Nitrogen Doping. ACS Applied Materials & Interfaces, 2014, 6, 4458-4465.	4.0	81
132	Relationships between Structural Changes and Electrochemical Kinetics of Li-Excess Li1.13Ni0.3Mn0.57O2 during the First Charge. Journal of Physical Chemistry C, 2013, 117, 3279-3286.	1.5	30
133	Recent advances in IVâ€“VI semiconductor nanocrystals: synthesis, mechanism, and applications. RSC Advances, 2013, 3, 8104.	1.7	76
134	Revisiting the layered LiNi0.4Mn0.4Co0.2O2: a magnetic approach. RSC Advances, 2012, 2, 9986.	1.7	12
135	Characterizations of the electrode/electrolyte interfacial properties of carbon coated Li3V2(PO4)3 cathode material in LiPF6 based electrolyte. Electrochimica Acta, 2012, 79, 95-101.	2.6	48
136	Unusual Magnetism Due to a Random Distribution of Cations in Î±-LiFeO₂. Journal of the Physical Society of Japan, 2011, 80, 094705.	0.7	5
137	Alternating current susceptibility study on the cluster glass behavior in disordered <i>Î²-</i>LiFeO2. Journal of Applied Physics, 2011, 110, .	1.1	3
138	Prediction of the phase transition from ferromagnetic perovskite to non-magnetic post-perovskite in SrRuO3 : A first-principles study. Solid State Communications, 2011, 151, 798-801.	0.9	5
139	Preparation and electrochemical properties of nano Al0.2V2O5.3â^'Î´ cathode materials for rechargeable lithium batteries. Ionics, 2010, 16, 209-213.	1.2	4
140	Electrochemical Kinetics of the Li[Li_{0.23}Co_{0.3}Mn_{0.47}]O₂ Cathode Material Studied by GITT and EIS. Journal of Physical Chemistry C, 2010, 114, 22751-22757.	1.5	285
141	Cluster-spin-glass behavior in layered LiNi0.4Mn0.4Co0.2O2. Journal of Applied Physics, 2009, 106, 053904.	1.1	10
142	Electrochemical characterizations of Li2.6Co0.4N/Graphite anodes for lithium ion batteries. Materials Letters, 2009, 63, 504-506.	1.3	9
143	Effect of electron doping on the magnetic properties of spin-Peierls like material Î±â€²-NaV2O5. Journal of Alloys and Compounds, 2009, 479, 603-606.	2.8	0
144	High energy density lithium ion batteries using Li2.6Co0.4â^'xCuxN (anode) and Cu0.04V2O5 (cathode) electrode materials. Materials Letters, 2008, 62, 4210-4212.	1.3	10

#	Article	IF	Citations
145	Improvement in electrochemical performance of V2O5 by Cu doping. Journal of Power Sources, 2007, 165, 386-392.	4.0	106