

Youlong Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162
papers

4,636
citations

37
h-index

62
g-index

164
ext. papers

5,359
ext. citations

6.4
avg, IF

5.9
L-index

#	Paper	IF	Citations
162	Efficient Anion Fluoride-Doping Strategy to Enhance the Performance in Garnet-Type Solid Electrolyte LiLaZrO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 2939-2948	9.5	1
161	Enhanced critical current density of Garnet Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte by incorporation of LiBr. <i>Electrochimica Acta</i> , 2022 , 409, 139986	6.7	1
160	The effect of oxygen-containing species on corrosion behavior of Ta (1 1 0) surface: A DFT study with an experimental verification. <i>Applied Surface Science</i> , 2022 , 586, 152810	6.7	1
159	Porous membrane host-derived in-situ polymer electrolytes with double-stabilized electrode interface enable long cycling lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022 , 433, 134471	14.7	5
158	Improved Li-storage performance of Mg ²⁺ -doped LiVPO ₄ F@C cathode material synthesized by a fast carbothermal reduction reaction. <i>Materials Research Bulletin</i> , 2021 , 147, 111635	5.1	0
157	Unraveling the mechanism of optimal concentration for Fe substitution in Na ₃ V ₂ (PO ₄) ₂ F ₃ /C for Sodium-Ion batteries. <i>Energy Storage Materials</i> , 2021 , 37, 325-335	19.4	5
156	Regulating cations and solvents of the electrolyte for ultra-efficient electrochemical production of high-quality graphene. <i>Carbon</i> , 2021 , 176, 157-167	10.4	7
155	Electrochemical performance of LiFePO ₄ /graphene composites at low temperature affected by preparation technology. <i>Electrochimica Acta</i> , 2021 , 368, 137575	6.7	8
154	Rational design of hierarchical FeCo ₂ O ₄ nanosheets@NiO nanowhiskers core-shell heterostructure as binder-free electrodes for efficient pseudocapacitors. <i>Electrochimica Acta</i> , 2021 , 370, 137789	6.7	8
153	Preparation and Application of Nanorod FeOOH/CNT@S Composites for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8368-8376	6.1	2
152	A new high-voltage plateau of Na ₃ V ₂ (PO ₄) ₃ for sodium ion batteries: A promising cathode with high energy density. <i>Ceramics International</i> , 2021 , 47, 26579-26583	5.1	3
151	Study of TiO ₂ -Coated Fe ₂ O ₃ Composites and the Oxygen-Defects Effect on the Application as the Anode Materials of High-Performance Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11666-11673	6.1	6
150	Unveiling dual-site substitution in stabilizing LiVPO ₄ F cathode paired with Li metal anode for durable lithium ion batteries. <i>Electrochimica Acta</i> , 2020 , 349, 136374	6.7	4
149	Suppressing Fe ²⁺ , Ni ²⁺ Antisite Defects in LiFePO ₄ and LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ by Optimized Synthesis Methods. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5893-5901	6.1	2
148	Enhanced ionic conductivity of an Fe-assisted Na ₃ Zr ₂ Si ₂ PO ₁₂ solid electrolyte for solid-state sodium batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12594-12602	13	14
147	Garnet Si _{0.7} Li ₇ La ₃ Zr ₂ O ₁₂ electrolyte with a durable, low resistance interface layer for all-solid-state lithium metal batteries. <i>Journal of Power Sources</i> , 2020 , 453, 227881	8.9	26
146	Biomimetic Synthesis of Ear-of-wheat-shaped Manganese Oxide Nanoparticles on Carbon Nanotubes for High-capacity Lithium Storage. <i>Energy and Environmental Materials</i> , 2020 , 4, 399	13	4

145	Mg ²⁺ /F ⁻ Synergy to Enhance the Ionic Conductivity of Na ₃ Zr ₂ Si ₂ PO ₁₂ Solid Electrolyte for Solid-State Sodium Batteries. <i>ChemElectroChem</i> , 2020 , 7, 2087-2094	4.3	8
144	Elevated Energy Density and Cyclic Stability of LiVPO ₄ F Cathode Material for High-rate Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3553-3561	6.1	9
143	High electrochemical stability Al-doped spinel LiMn ₂ O ₄ cathode material for Li-ion batteries. <i>Journal of Energy Storage</i> , 2020 , 27, 101036	7.8	51
142	Self-assembled reduced graphene oxide films with different thicknesses as high performance supercapacitor electrodes. <i>Journal of Energy Storage</i> , 2020 , 32, 101795	7.8	7
141	Facile strategy of hollow polyaniline nanotubes supported on TiC-MXene nanosheets for High-performance symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 601-613	9.3	24
140	All-In-One Stainless-Steel Mesh Oxide Composites Anode for Flexible Li-Ion Battery. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000376	6.8	4
139	Enhanced redox kinetics of polysulfides by nano-rod FeOOH for ultrastable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19544-19554	13	10
138	Double Donors Tuning Conductivity of LiVPOF for Advanced Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38849-38858	9.5	10
137	Dielectric properties and I-V characteristics of Li _{0.5} La _{0.5} TiO ₃ solid electrolyte for ceramic supercapacitors. <i>Ceramics International</i> , 2019 , 45, 8243-8247	5.1	9
136	Dual-site magnesium doping in Li ₂ MnSiO ₄ /C/rGO cathode material for lithium-ion batteries. <i>Solid State Ionics</i> , 2019 , 338, 39-46	3.3	5
135	Preinserted Li metal porous carbon nanotubes with high Coulombic efficiency for lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2019 , 373, 78-85	14.7	15
134	Insights into the enhanced electrochemical performance of Mn-deficiency Li ₂ Mn(1-x)SiO ₄ /C for Li-ion batteries: Experimental and theoretical study. <i>Journal of Power Sources</i> , 2019 , 420, 46-53	8.9	2
133	Mg-doped Li _{1.133} Ni _{0.2} Co _{0.2} Mn _{0.467} O ₂ in Li site as high-performance cathode material for Li-ion batteries. <i>Solid State Ionics</i> , 2019 , 336, 87-94	3.3	14
132	Facile synthesis of foamed-nickel supporting MnO ₂ as binder-less electrodes for high electrochemical performance supercapacitors. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	3
131	Lanthanum and cerium Co-doped LiFePO ₄ : Morphology, electrochemical performance and kinetic study from 0 to 50°C. <i>Electrochimica Acta</i> , 2019 , 322, 134686	6.7	14
130	ZnO nanorod arrays grown on g-CN micro-sheets for enhanced visible light photocatalytic H ₂ evolution.. <i>RSC Advances</i> , 2019 , 9, 24483-24488	3.7	15
129	Heterostructure ZnO-MnO network with graphene for improved lithium ions storage anode. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 591-599	5.7	3
128	Simultaneous Electrochemical Dual-Electrode Exfoliation of Graphite toward Scalable Production of High-Quality Graphene. <i>Advanced Functional Materials</i> , 2019 , 29, 1902171	15.6	40

- 127 A pH-Tailored Anodic Deposition of Hydrous RuO₂ for Supercapacitors. *ChemistrySelect*, **2019**, 4, 8122-8128 5
- 126 High-performance symmetric lithium-ion batteries constructed with a new bi-functional electrode Li- and Mn-rich layered oxide 0.3Li₂MnO₃·0.7LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂. *Electrochimica Acta*, **2019**, 325, 1349-1352 7
- 125 Hydrothermal-assisted solid-state reaction synthesis of high ionic conductivity Li_{1+x}Al_xTi_{2-2x}(PO₄)₃ ceramic solid electrolytes: The effect of Al³⁺ doping content. *Solid State Ionics*, **2019**, 343, 115078 3.3 4
- 124 Off-stoichiometric Na₃V_{2-x}(PO₄)₃/C cathode composites with stable lifetime for sodium ion batteries. *Ceramics International*, **2018**, 44, 13055-13064 5.1 14
- 123 Al₂O₃ coated Mn₃O₄@C composite for LIBs anode with enhanced cycling stability and rate performance. *Solid State Ionics*, **2018**, 320, 226-232 3.3 7
- 122 Preventing structural degradation from Na₃V₂(PO₄)₃ to V₂(PO₄)₃: F-doped Na₃V₂(PO₄)₃/C cathode composite with stable lifetime for sodium ion batteries. *Journal of Power Sources*, **2018**, 378, 423-432 8.9 36
- 121 Enhanced electrochemical properties of F-doped Li₂MnSiO₄/C for lithium ion batteries. *Journal of Power Sources*, **2018**, 378, 345-352 8.9 22
- 120 Enhanced electrochemical performance of polypyrrole depending on morphology and structure optimization by reduced graphene oxide as support frameworks. *Electrochimica Acta*, **2018**, 265, 47-55 6.7 18
- 119 Ionic and electronic conductivity of solid electrolyte Li_{0.5}La_{0.5}TiO₃ doped with LiO₂-SiO₂-B₂O₃ glass. *Journal of Alloys and Compounds*, **2018**, 739, 892-896 5.7 25
- 118 Unique rhombus-like precursor for synthesis of Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃ solid electrolyte with high ionic conductivity. *Chemical Engineering Journal*, **2018**, 345, 483-491 14.7 35
- 117 Alumina-coated and manganese monoxide embedded 3D carbon derived from avocado as high-performance anode for lithium-ion batteries. *Applied Surface Science*, **2018**, 445, 359-367 6.7 6
- 116 High capacity-favorable tap density cathode material based on three-dimensional carbonous framework supported Na₃V₂(PO₄)₂F₃ nanoparticles. *Chemical Engineering Journal*, **2018**, 331, 712-719 14.7 55
- 115 Novel Mn-based Li-rich layered oxide 0.3Li₂MnO₃·0.7LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ as anode material for lithium-ion batteries. *Materials Letters*, **2018**, 210, 223-226 3.3 7
- 114 F-doping and V-defect synergetic effects on Na₃V₂(PO₄)₃/C composite: A promising cathode with high ionic conductivity for sodium ion batteries. *Journal of Power Sources*, **2018**, 397, 307-317 8.9 35
- 113 Bouquet-Like MnSnO Nanocomposite Engineered with Graphene Sheets as an Advanced Lithium-Ion Battery Anode. *ACS Applied Materials & Interfaces*, **2018**, 10, 17963-17972 9.5 23
- 112 Facile synthesis of MnO₂ grown on nitrogen-doped carbon nanotubes for asymmetric supercapacitors with enhanced electrochemical performance. *Journal of Power Sources*, **2018**, 393, 135-144 8.9 50
- 111 Nitrogen-doped hierarchically porous carbonaceous nanotubes for lithium ion batteries. *Chemical Engineering Journal*, **2018**, 352, 964-971 14.7 20
- 110 The multiple effects of potassium doping on LiVPO₄F/C composite cathode material for lithium ion batteries. *Journal of Power Sources*, **2018**, 396, 155-163 8.9 16

109	Effect of Al substitution on the enhanced electrochemical performance and strong structure stability of Na ₃ V ₂ (PO ₄) ₃ /C composite cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2018 , 375, 82-92	8.9	41
108	Electrochemically exfoliated high-yield graphene in ambient temperature molten salts and its application for flexible solid-state supercapacitors. <i>Carbon</i> , 2018 , 127, 392-403	10.4	56
107	Synthesis of carbon coated Li ₂ MnO ₃ cathode material with enhanced rate capability for lithium-ion batteries. <i>Solid State Ionics</i> , 2018 , 325, 170-175	3.3	8
106	Towards a high-rate and long-life LiVPO ₄ F/C cathode material for lithium ion batteries by potassium and zirconium co-doping. <i>Journal of Power Sources</i> , 2018 , 401, 142-148	8.9	16
105	Ionic conduction, colossal permittivity and dielectric relaxation behavior of solid electrolyte Li ₃ La _{2/3} -TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4483-4487	6	25
104	MnO@Al ₂ O ₃ with high cycle performance via depressing solution of Mn for lithium-ion batteries anode. <i>Applied Surface Science</i> , 2018 , 457, 831-837	6.7	6
103	Fluorophosphates from Solid-State Synthesis and Electrochemical Ion Exchange: NaVPO ₄ F or Na ₃ V ₂ (PO ₄) ₂ F ₃ ?. <i>Advanced Energy Materials</i> , 2018 , 8, 1801064	21.8	34
102	Surface Modification of Al Foils for Aluminum Electrolytic Capacitor. <i>Advanced Functional Materials</i> , 2017 , 27, 1606042	15.6	11
101	High performance Li ₂ MnO ₃ /rGO composite cathode for lithium ion batteries. <i>Journal of Power Sources</i> , 2017 , 349, 11-17	8.9	18
100	LiF assisted synthesis of LiTi ₂ (PO ₄) ₃ solid electrolyte with enhanced ionic conductivity. <i>Solid State Ionics</i> , 2017 , 309, 22-26	3.3	28
99	Gravity-assisted synthesis of micro/nano-structured polypyrrole for supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 330, 1060-1067	14.7	29
98	Improved electrochemical performances of li- and Mn-Rich layered oxides 0.4Li ₄ /3Mn ₂ /3O ₂ D.6LiNi ₁ /3Co ₁ /3Mn ₁ /3O ₂ cathode material by Co ₃ O ₄ coating. <i>Solid State Ionics</i> , 2017 , 310, 62-70	3.3	15
97	Nitrogen-doped graphene assists Fe ₂ O ₃ in enhancing electrochemical performance. <i>Journal of Power Sources</i> , 2016 , 326, 389-396	8.9	37
96	Magnesium substitution to improve the electrochemical performance of layered Li ₂ MnO ₃ positive-electrode material. <i>Journal of Power Sources</i> , 2016 , 330, 37-44	8.9	21
95	One-step Preparation of Nanoarchitected TiO ₂ on Porous Al as Integrated Anode for High-performance Lithium-ion Batteries. <i>Scientific Reports</i> , 2016 , 6, 20138	4.9	24
94	Sustainably powering wearable electronics solely by biomechanical energy. <i>Nature Communications</i> , 2016 , 7, 12744	17.4	392
93	All-Plastic-Materials Based Self-Charging Power System Composed of Triboelectric Nanogenerators and Supercapacitors. <i>Advanced Functional Materials</i> , 2016 , 26, 1070-1076	15.6	152
92	Microwave-Assisted Synthesis of SnO ₂ @polypyrrole Nanotubes and Their Pyrolyzed Composite as Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15598-606	9.5	51

91	Capacitive characteristics of nanocomposites of conducting polypyrrole and functionalized carbon nanotubes: pulse current synthesis and tailoring. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1413-1420	2.6	3
90	Improving the fast discharge performance of high-voltage LiNi _{0.5} Mn _{1.5} O ₄ spinel by Cu ²⁺ , Al ³⁺ , Ti ⁴⁺ tri-doping. <i>Journal of Alloys and Compounds</i> , 2016 , 677, 18-26	5.7	47
89	Porous and high electronic conductivity nitrogen-doped nano-sheet carbon derived from polypyrrole for high-power supercapacitors. <i>Carbon</i> , 2016 , 107, 638-645	10.4	79
88	Low-Cost Al ₂ O ₃ Coating Layer As a Preformed SEI on Natural Graphite Powder To Improve Coulombic Efficiency and High-Rate Cycling Stability of Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6512-9	9.5	61
87	Simple thermal decomposition method to synthesize LiTi ₂ (PO ₄) ₃ /C core-shell composite for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1889-1894	2.6	3
86	Self-Powered Electrochemical Synthesis of Polypyrrole from the Pulsed Output of a Triboelectric Nanogenerator as a Sustainable Energy System. <i>Advanced Functional Materials</i> , 2016 , 26, 3542-3548	15.6	75
85	Electrochemically Prepared Poly(3,4-ethylenedioxy-thiophene)/Polypyrrole Films with Hollow Micro-/Nanohorn Arrays as High-Efficiency Counter Electrodes for Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2016 , 3, 1376-1383	4.3	
84	Stretchable and Waterproof Self-Charging Power System for Harvesting Energy from Diverse Deformation and Powering Wearable Electronics. <i>ACS Nano</i> , 2016 , 10, 6519-25	16.7	160
83	Electrochemically active MnO ₂ coated Li _{1.2} Ni _{0.18} Co _{0.04} Mn _{0.58} O ₂ cathode with highly improved initial coulombic efficiency. <i>Applied Surface Science</i> , 2016 , 384, 125-134	6.7	23
82	Morphology controllable nano-sheet polypyrrole-graphene composites for high-rate supercapacitor. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 19885-94	3.6	79
81	Fluorination transfer in silver-assisted chemical etching for silicon nanowires arrays. <i>Applied Surface Science</i> , 2015 , 347, 421-427	6.7	9
80	Graphene oxide sheets-induced growth of nanostructured Fe ₃ O ₄ for a high-performance anode material of lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12938-12946	13	83
79	Multi-cations doped LiVPO ₄ F cathode for lithium-ion batteries. <i>Functional Materials Letters</i> , 2015 , 08, 1550060	1.2	3
78	The effect of various electrolyte cations on electrochemical performance of polypyrrole/RGO based supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 28666-73	3.6	105
77	Towards low-cost, high energy density Li ₂ MnO ₃ cathode materials. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 670-679	13	33
76	TiO ₂ Nanotubes as an Anode Material for Lithium Ion Batteries. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2015 , 31, 1437-1451	3.8	2
75	Triple-Cation-Doped Li ₃ V ₂ (PO ₄) ₃ Cathode Material for Lithium Ion Batteries. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2015 , 31, 1513-1520	3.8	2
74	Enhanced capacitance performance of Al ₂ O ₃ /TiO ₂ composite thin film via sol-gel using double chelators. <i>Journal of Colloid and Interface Science</i> , 2015 , 443, 170-6	9.3	11

73	The effect of K-Ion on the electrochemical performance of spinel LiMn ₂ O ₄ . <i>Electronic Materials Letters</i> , 2015 , 11, 138-142	2.9	3
72	The electrochemical performance of sodium-ion-modified spinel LiMn ₂ O ₄ used for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 713-719	2.6	8
71	The composite sphere of manganese oxide and carbon nanotubes as a prospective anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 255, 163-169	8.9	40
70	The effect of Na _{0.44} MnO ₂ formation in Na ⁺ -modified spinel LiMn ₂ O ₄ . <i>Electronic Materials Letters</i> , 2014 , 10, 787-790	2.9	
69	Study on capacitance evolving mechanism of polypyrrole during prolonged cycling. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 1353-62	3.4	20
68	Interface effect on the electropolymerized polypyrrole films with hollow micro/nanohorn arrays. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4693-704	9.5	21
67	Polyaniline with high crystallinity degree: Synthesis, structure, and electrochemical properties. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	38
66	Effect of electropolymerization time on the performance of poly(3,4-ethylenedioxythiophene) counter electrode for dye-sensitized solar cells. <i>Applied Surface Science</i> , 2014 , 289, 145-149	6.7	32
65	Hydrous ruthenium oxide prepared by steam-assisted thermolysis: Capacitance and stability. <i>Solid State Ionics</i> , 2014 , 268, 312-315	3.3	4
64	Performance degradation of Li _x FePO ₄ (x = 0, 1) induced by postannealing. <i>Turkish Journal of Chemistry</i> , 2014 , 38, 837-849	1	
63	Titanium doped LiVPO ₄ F cathode for lithium ion batteries. <i>Solid State Ionics</i> , 2014 , 268, 236-241	3.3	25
62	Synthesis and characterization of TiO ₂ /C by a simple thermal decomposition method. <i>Solid State Ionics</i> , 2014 , 268, 265-267	3.3	5
61	Towards ultrafine TiO ₂ nanocrystal at room temperature. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 310-313	2.3	
60	Synthesis and characterization of Nb, F-codoped titania nanoparticles for dye-sensitized solar cells. <i>Journal of Materials Research</i> , 2014 , 29, 230-238	2.5	3
59	Simple and Rapid Spectrophotometric Determination of Titanium on Etched Aluminum Foils. <i>American Journal of Analytical Chemistry</i> , 2014 , 05, 149-156	0.7	10
58	Structural stabilities and uniaxial strain modulated electronic properties of AlN/SiC-core-shell nanowires: A first-principles study. <i>Superlattices and Microstructures</i> , 2013 , 57, 19-26	2.8	5
57	Electrochemical co-deposition and characterization of MnO ₂ /SWNT composite for supercapacitor application. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1913-1920	2.1	25
56	Corrosion behavior of different tantalum crystal faces in NH ₄ Br ethanol solution and DFT calculation. <i>Applied Surface Science</i> , 2013 , 280, 247-255	6.7	3

55	In situ fabrication of Ni(OH) ₂ nanofibers on polypyrrole-based carbon nanotubes for high-capacitance supercapacitors. <i>Materials Research Bulletin</i> , 2013 , 48, 1342-1345	5.1	14
54	Nb, F-codoped TiO ₂ hollow spheres with high visible light photocatalytic activity. <i>Nanoscale Research Letters</i> , 2013 , 8, 508	5	4
53	High performance LiV _{0.96} Mn _{0.04} PO ₄ F/C cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2501	13	51
52	Li ₂ MnO ₃ stabilized LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode with improved performance for lithium ion batteries. <i>Applied Surface Science</i> , 2013 , 285, 235-240	6.7	17
51	Superior lithium storage of the carbon modified hybrid of manganese monoxide and carbon nanotubes. <i>Materials Letters</i> , 2013 , 113, 186-189	3.3	8
50	The composite rods of MnO and multi-walled carbon nanotubes as anode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 690-694	8.9	39
49	Sodium substitution for partial lithium to significantly enhance the cycling stability of Li ₂ MnO ₃ cathode material. <i>Journal of Power Sources</i> , 2013 , 243, 78-87	8.9	42
48	Performance improvement of ZnO nanowire based surface acoustic wave ultraviolet detector via poly(3,4-ethylenedioxythiophene) surface coating. <i>Sensors and Actuators A: Physical</i> , 2013 , 199, 149-155	3.9	17
47	First-principles study on the structural stability and electronic properties of AlN/GaN heterostructure nanoribbons. <i>Superlattices and Microstructures</i> , 2013 , 57, 37-43	2.8	2
46	IMPROVING THE BATTERY PERFORMANCE OF LiVPO ₄ F BY CHROMIUM DOPING. <i>Functional Materials Letters</i> , 2013 , 06, 1350053	1.2	9
45	Synthesis and Performance of Nano MnO as an Anode Material for Lithium-Ion Batteries. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2013 , 29, 293-297	3.8	3
44	Synthesis and Electrochemical Characterization of Ge ⁴⁺ , Sn ⁴⁺ Doped Spinel LiMn ₂ O ₄ . <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2013 , 29, 763-769	3.8	3
43	Flocculant-assisted synthesis of Fe ₂ O ₃ /carbon composites for superior lithium rechargeable batteries. <i>Materials Research Bulletin</i> , 2012 , 47, 152-155	5.1	11
42	Synthesis and electrochemical characterization of multi-cations doped spinel LiMn ₂ O ₄ used for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 199, 214-219	8.9	108
41	Electrochemical in situ polymerization of reduced graphene oxide/polypyrrole composite with high power density. <i>Journal of Power Sources</i> , 2012 , 208, 138-143	8.9	111
40	High-capacity phase formation by surface modification of Li ₃ PO ₄ on nanosized Li ₂ RuO ₃ electrode for lithium batteries. <i>Journal of Power Sources</i> , 2012 , 208, 447-451	8.9	13
39	Fe excess in hydrothermally synthesized LiFePO ₄ . <i>Materials Letters</i> , 2012 , 84, 139-142	3.3	5
38	Excellent stability of spinel LiMn ₂ O ₄ -based composites for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24563		42

37	Study of the photoconductive ZnO UV detector based on the electrically floated nanowire array. <i>Sensors and Actuators A: Physical</i> , 2012 , 181, 6-12	3.9	70
36	Electropolymerized composite film of polypyrrole and functionalized multi-walled carbon nanotubes: effect of functionalization time on capacitive performance. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1781-1789	2.6	26
35	Electropolymerization and Characterization of Fast Charge-Discharge PPy/F-SWNTs Composite Materials. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2012 , 28, 373-380	3.8	2
34	Improved Electrochemical Stability of Zn-Doped LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathode Materials. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2012 , 28, 1899-1905	3.8	4
33	Optimizing the Hydrothermal Synthesis of Micro-Sized Olivine LiFePO ₄ . <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2012 , 28, 2885-2892	3.8	3
32	Polymer-derived carbon nanofiber network supported SnO ₂ nanocrystals: a superior lithium secondary battery material. <i>Journal of Materials Chemistry</i> , 2011 , 21, 19302		28
31	Toward a high specific power and high stability polypyrrole supercapacitors. <i>Synthetic Metals</i> , 2011 , 161, 1141-1144	3.6	49
30	Electrochemical properties of tetravalent Ti-doped spinel LiMn ₂ O ₄ . <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1263-1269	2.6	61
29	Double roles of aluminium ion on surface-modified spinel LiMn _{1.97} Ti _{0.03} O ₄ . <i>Journal of Materials Chemistry</i> , 2011 , 21, 4937		29
28	Template-free prepared micro/nanostructured polypyrrole with ultrafast charging/discharging rate and long cycle life. <i>Journal of Power Sources</i> , 2011 , 196, 2373-2379	8.9	131
27	High charge/discharge rate polypyrrole films prepared by pulse current polymerization. <i>Synthetic Metals</i> , 2010 , 160, 1826-1831	3.6	64
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23	Suppression of Jahn-Teller distortion of spinel LiMn ₂ O ₄ cathode. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 310-313	5.7	110
22	Nonlinear Optical Properties of Poly(3,4-ethylenedioxythiophene) Synthesized by Electropolymerization. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 04C123	1.4	1
21	Low propagation loss SiN optical waveguide prepared by optimal low-hydrogen module. <i>Optics Express</i> , 2008 , 16, 20809-16	3.3	75
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11	Spinel LiMn ₂ O ₄ active material with high capacity retention. <i>Applied Surface Science</i> , 2007 , 253, 8592-8596		27
10	Novel method to enhance the cycling performance of spinel LiMn ₂ O ₄ . <i>Electrochemistry Communications</i> , 2007 , 9, 2023-2026	5.1	31
9	Synthesis and Characterization of Bismuth Titanate by an Aqueous Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1382-1385	3.8	17
8	Thin aluminum film improving the cycle performance of positive electrode of lithium ion battery. <i>Applied Surface Science</i> , 2007 , 253, 8453-8457	6.7	0
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5	A Novel Method to Improve Cycling Performance of LiMn ₂ O ₄ Cathodes. <i>ECS Transactions</i> , 2006 , 1, 59-67		3
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