

Youlong Xu

List of Publications by Year in descending order

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163
papers

6,122
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61857

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all docs

164
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164
times ranked

7509
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 147, 111635.	2.7	4
2	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.	6.6	40
3	Efficient Anion Fluoride-Doping Strategy to Enhance the Performance in Garnet-Type Solid Electrolyte Li ₇ La ₃ Zr ₂ O ₁₂ . <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2939-2948.	4.0	10
4	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.	2.6	8
5	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.	3.1	9
6	Biomimetic Synthesis of Ear-shaped Manganese Oxide Nanoparticles on Carbon Nanotubes for High-capacity Lithium Storage. <i>Energy and Environmental Materials</i> , 2021, 4, 399-406.	7.3	13
7	Electrochemical performance of LiFePO ₄ /graphene composites at low temperature affected by preparation technology. <i>Electrochimica Acta</i> , 2021, 368, 137575.	2.6	21
8	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.	2.6	13
9	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.	9.5	42
10	Regulating cations and solvents of the electrolyte for ultra-efficient electrochemical production of high-quality graphene. <i>Carbon</i> , 2021, 176, 157-167.	5.4	18
11	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.	2.5	5
12	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.	2.3	15
13	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.	3.9	98
14	Self-assembled reduced graphene oxide films with different thicknesses as high performance supercapacitor electrodes. <i>Journal of Energy Storage</i> , 2020, 32, 101795.	3.9	16
15	Facile strategy of hollow polyaniline nanotubes supported on Ti ₃ C ₂ -MXene nanosheets for High-performance symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 601-613.	5.0	76
16	All-None Stainless Steel Mesh Oxide Composites Anode for Flexible Li-Ion Battery. <i>Advanced Materials Technologies</i> , 2020, 5, 2000376.	3.0	8
17	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.	5.2	22
18	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.	2.5	19

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19	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.	2.6	7
20	Suppressing Fe ²⁺ /Li, Ni ²⁺ /Li 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.	2.5	6
21	Enhanced ionic conductivity of an F ⁻ -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.	5.2	52
22	Garnet Si ⁴⁺ -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.	4.0	52
23	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.	1.7	21
24	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.	2.5	13
25	Lanthanum and cerium Co-doped LiFePO ₄ : Morphology, electrochemical performance and kinetic study from -30 °C to +50 °C. <i>Electrochimica Acta</i> , 2019, 322, 134686.	2.6	24
26	ZnO nanorod arrays grown on g-C ₃ N ₄ micro-sheets for enhanced visible light photocatalytic H ₂ evolution. <i>RSC Advances</i> , 2019, 9, 24483-24488.	1.7	32
27	Heterostructure ZnO-MnO network with graphene for improved lithium ions storage anode. <i>Journal of Alloys and Compounds</i> , 2019, 802, 591-599.	2.8	3
28	Simultaneous Electrochemical Dual-Electrode Exfoliation of Graphite toward Scalable Production of High-Quality Graphene. <i>Advanced Functional Materials</i> , 2019, 29, 1902171.	7.8	63
29	A pH-Tailored Anodic Deposition of Hydrous RuO ₂ for Supercapacitors. <i>ChemistrySelect</i> , 2019, 4, 8122-8128.	0.7	7
30	High-performance symmetric lithium-ion batteries constructed with a new bi-functional electrode Li- and Mn-rich layered oxide 0.3Li ₂ MnO ₃ ·0.7LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ . <i>Electrochimica Acta</i> , 2019, 325, 134932.	2.6	8
31	Hydrothermal-assisted solid-state reaction synthesis of high ionic conductivity Li _{1+x} Al _x Ti _{2-x} (PO ₄) ₃ ceramic solid electrolytes: The effect of Al ³⁺ doping content. <i>Solid State Ionics</i> , 2019, 343, 115078.	1.3	10
32	Double Donors Tuning Conductivity of LiVPO ₄ F for Advanced Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38849-38858.	4.0	13
33	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.	2.3	19
34	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.	1.3	8
35	Preinserted Li metal porous carbon nanotubes with high Coulombic efficiency for lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2019, 373, 78-85.	6.6	19
36	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.	4.0	6

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37	Mg-doped $\text{Li}_{1.133}\text{Ni}_{0.2}\text{Co}_{0.2}\text{Mn}_{0.467}\text{O}_2$ in Li site as high-performance cathode material for Li-ion batteries. <i>Solid State Ionics</i> , 2019, 336, 87-94.	1.3	20
38	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.	0.8	3
39	Off-stoichiometric $\text{Na}_3\text{V}_2\text{-x}(\text{PO}_4)_3/\text{C}$ cathode composites with stable lifetime for sodium ion batteries. <i>Ceramics International</i> , 2018, 44, 13055-13064.	2.3	18
40	Al_2O_3 coated $\text{Mn}_3\text{O}_4/\text{C}$ composite for LIBs anode with enhanced cycling stability and rate performance. <i>Solid State Ionics</i> , 2018, 320, 226-232.	1.3	11
41	Preventing structural degradation from $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ to $\text{V}_2(\text{PO}_4)_3$: F-doped $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode composite with stable lifetime for sodium ion batteries. <i>Journal of Power Sources</i> , 2018, 378, 423-432.	4.0	62
42	Enhanced electrochemical properties of F-doped $\text{Li}_2\text{MnSiO}_4/\text{C}$ for lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 378, 345-352.	4.0	31
43	Enhanced electrochemical performance of polypyrrole depending on morphology and structure optimization by reduced graphene oxide as support frameworks. <i>Electrochimica Acta</i> , 2018, 265, 47-55.	2.6	23
44	Ionic and electronic conductivity of solid electrolyte $\text{Li}_{0.5}\text{La}_{0.5}\text{TiO}_3$ doped with $\text{LiO}_2\text{-SiO}_2\text{-B}_2\text{O}_3$ glass. <i>Journal of Alloys and Compounds</i> , 2018, 739, 892-896.	2.8	35
45	Unique rhombus-like precursor for synthesis of $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ solid electrolyte with high ionic conductivity. <i>Chemical Engineering Journal</i> , 2018, 345, 483-491.	6.6	51
46	Alumina-coated and manganese monoxide embedded 3D carbon derived from avocado as high-performance anode for lithium-ion batteries. <i>Applied Surface Science</i> , 2018, 445, 359-367.	3.1	9
47	High capacity-favorable tap density cathode material based on three-dimensional carbonous framework supported $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3$ nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 331, 712-719.	6.6	78
48	Novel Mn-based Li-rich layered oxide $0.3\text{Li}_2\text{MnO}_3 \cdot 0.7\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ as anode material for lithium-ion batteries. <i>Materials Letters</i> , 2018, 210, 223-226.	1.3	8
49	Effect of Al substitution on the enhanced electrochemical performance and strong structure stability of $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ composite cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2018, 375, 82-92.	4.0	67
50	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.	5.4	75
51	Synthesis of carbon coated Li_2MnO_3 cathode material with enhanced rate capability for lithium-ion batteries. <i>Solid State Ionics</i> , 2018, 325, 170-175.	1.3	11
52	Towards a high-rate and long-life $\text{LiVPO}_4\text{F}/\text{C}$ cathode material for lithium ion batteries by potassium and zirconium co-doping. <i>Journal of Power Sources</i> , 2018, 401, 142-148.	4.0	25
53	Ionic conduction, colossal permittivity and dielectric relaxation behavior of solid electrolyte $\text{Li}_3\text{La}_{2/3}\text{-TiO}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4483-4487.	2.8	50
54	$\text{MnO}/\text{Al}_2\text{O}_3$ with high cycle performance via depressing solution of Mn for lithium-ion batteries anode. <i>Applied Surface Science</i> , 2018, 457, 831-837.	3.1	6

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55	Fluorophosphates from Solidâ€­State Synthesis and Electrochemical Ion Exchange: NaVPO ₄ F or Na ₃ V ₂ (PO ₄) ₂ F ₃ ?. Advanced Energy Materials, 2018, 8, 1801064.	10.2	57
56	F-doping and V-defect synergetic effects on Na ₃ V ₂ (PO ₄) ₃ /C composite: A promising cathode with high ionic conductivity for sodium ion batteries. Journal of Power Sources, 2018, 397, 307-317.	4.0	60
57	Bouquet-Like Mn ₂ SnO ₄ Nanocomposite Engineered with Graphene Sheets as an Advanced Lithium-Ion Battery Anode. ACS Applied Materials & Interfaces, 2018, 10, 17963-17972.	4.0	40
58	Facile synthesis of MnO ₂ grown on nitrogen-doped carbon nanotubes for asymmetric supercapacitors with enhanced electrochemical performance. Journal of Power Sources, 2018, 393, 135-144.	4.0	78
59	Nitrogen-doped hierarchically porous carbonaceous nanotubes for lithium ion batteries. Chemical Engineering Journal, 2018, 352, 964-971.	6.6	25
60	The multiple effects of potassium doping on LiVPO ₄ F/C composite cathode material for lithium ion batteries. Journal of Power Sources, 2018, 396, 155-163.	4.0	20
61	Surface Modification of Al Foils for Aluminum Electrolytic Capacitor. Advanced Functional Materials, 2017, 27, 1606042.	7.8	22
62	High performance Li ₂ MnO ₃ /rGO composite cathode for lithium ion batteries. Journal of Power Sources, 2017, 349, 11-17.	4.0	29
63	LiF assisted synthesis of LiTi ₂ (PO ₄) ₃ solid electrolyte with enhanced ionic conductivity. Solid State Ionics, 2017, 309, 22-26.	1.3	41
64	Gravity-assisted synthesis of micro/nano-structured polypyrrole for supercapacitors. Chemical Engineering Journal, 2017, 330, 1060-1067.	6.6	37
65	Improved electrochemical performances of li- and Mn-Rich layered oxides 0.4Li ₄ /3Mn ₂ /3O ₂ ·0.6LiNi ₁ /3Co ₁ /3Mn ₁ /3O ₂ cathode material by Co ₃ O ₄ coating. Solid State Ionics, 2017, 310, 62-70.	1.3	16
66	Self-Powered Electrochemical Synthesis of Polypyrrole from the Pulsed Output of a Triboelectric Nanogenerator as a Sustainable Energy System. Advanced Functional Materials, 2016, 26, 3542-3548.	7.8	87
67	Electrochemically Prepared Poly(3,4-ethylenedioxythiophene)/Polypyrrole Films with Hollow Micro-Nanohorn Arrays as High-Efficiency Counter Electrodes for Dye-Sensitized Solar Cells. ChemElectroChem, 2016, 3, 1376-1383.	1.7	0
68	Stretchable and Waterproof Self-Charging Power System for Harvesting Energy from Diverse Deformation and Powering Wearable Electronics. ACS Nano, 2016, 10, 6519-6525.	7.3	182
69	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. Applied Surface Science, 2016, 384, 125-134.	3.1	26
70	Nitrogen-doped graphene assists Fe ₂ O ₃ in enhancing electrochemical performance. Journal of Power Sources, 2016, 326, 389-396.	4.0	42
71	Magnesium substitution to improve the electrochemical performance of layered Li ₂ MnO ₃ positive-electrode material. Journal of Power Sources, 2016, 330, 37-44.	4.0	27
72	One-step Preparation of Nanoarchitected TiO ₂ on Porous Al as Integrated Anode for High-performance Lithium-ion Batteries. Scientific Reports, 2016, 6, 20138.	1.6	27

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73	Sustainably powering wearable electronics solely by biomechanical energy. <i>Nature Communications</i> , 2016, 7, 12744.	5.8	483
74	All-Plastic Materials Based Self-Charging Power System Composed of Triboelectric Nanogenerators and Supercapacitors. <i>Advanced Functional Materials</i> , 2016, 26, 1070-1076.	7.8	190
75	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, 15598-15606.	4.0	65
76	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.	1.2	3
77	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.	2.8	62
78	Porous and high electronic conductivity nitrogen-doped nano-sheet carbon derived from polypyrrole for high-power supercapacitors. <i>Carbon</i> , 2016, 107, 638-645.	5.4	93
79	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, 6512-6519.	4.0	89
80	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.	1.2	4
81	TiO ₂ Nanotubes as an Anode Material for Lithium Ion Batteries. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2015, 31, 1437-1451.	2.2	3
82	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.	2.2	3
83	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, 170-176.	5.0	15
84	The effect of K-Ion on the electrochemical performance of spinel LiMn ₂ O ₄ . <i>Electronic Materials Letters</i> , 2015, 11, 138-142.	1.0	6
85	Morphology controllable nano-sheet polypyrrole-graphene composites for high-rate supercapacitor. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19885-19894.	1.3	100
86	Fluorine transfer in silver-assisted chemical etching for silicon nanowires arrays. <i>Applied Surface Science</i> , 2015, 347, 421-427.	3.1	10
87	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.	5.2	98
88	Multi-cations doped LiVPO ₄ F cathode for lithium-ion batteries. <i>Functional Materials Letters</i> , 2015, 08, 1550060.	0.7	4
89	The effect of various electrolyte cations on electrochemical performance of polypyrrole/RGO based supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28666-28673.	1.3	140
90	Towards low-cost, high energy density Li ₂ MnO ₃ cathode materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 670-679.	5.2	44

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91	Performance degradation of $\text{Li}_{1-x}\text{FePO}_4$ ($x = 0, 1$) induced by postannealing. Turkish Journal of Chemistry, 2014, 38, 837-849.	0.5	0
92	Titanium doped LiVPO_4F cathode for lithium ion batteries. Solid State Ionics, 2014, 268, 236-241.	1.3	27
93	Synthesis and characterization of TiO_2/C by a simple thermal decomposition method. Solid State Ionics, 2014, 268, 265-267.	1.3	5
94	Towards ultrafine TiO_2 nanocrystal at room temperature. Journal of Sol-Gel Science and Technology, 2014, 72, 310-313.	1.1	0
95	Synthesis and characterization of Nb, F-codoped titania nanoparticles for dye-sensitized solar cells. Journal of Materials Research, 2014, 29, 230-238.	1.2	3
96	The electrochemical performance of sodium-ion-modified spinel LiMn_2O_4 used for lithium-ion batteries. Journal of Solid State Electrochemistry, 2014, 18, 713-719.	1.2	12
97	The composite sphere of manganese oxide and carbon nanotubes as a prospective anode material for lithium-ion batteries. Journal of Power Sources, 2014, 255, 163-169.	4.0	44
98	The effect of $\text{Na}_{0.44}\text{MnO}_2$ formation in Na^+ -modified spinel LiMn_2O_4 . Electronic Materials Letters, 2014, 10, 787-790.	1.0	1
99	Study on Capacitance Evolving Mechanism of Polypyrrole during Prolonged Cycling. Journal of Physical Chemistry B, 2014, 118, 1353-1362.	1.2	25
100	Interface Effect on the Electropolymerized Polypyrrole Films with Hollow Micro/Nanohorn Arrays. ACS Applied Materials & Interfaces, 2014, 6, 4693-4704.	4.0	23
101	Polyaniline with high crystallinity degree: Synthesis, structure, and electrochemical properties. Journal of Applied Polymer Science, 2014, 131, .	1.3	63
102	Effect of electropolymerization time on the performance of poly(3,4-ethylenedioxythiophene) counter electrode for dye-sensitized solar cells. Applied Surface Science, 2014, 289, 145-149.	3.1	34
103	Hydrous ruthenium oxide prepared by steam-assisted thermolysis: Capacitance and stability. Solid State Ionics, 2014, 268, 312-315.	1.3	5
104	Simple and Rapid Spectrophotometric Determination of Titanium on Etched Aluminum Foils. American Journal of Analytical Chemistry, 2014, 05, 149-156.	0.3	11
105	Structural stabilities and uniaxial strain modulated electronic properties of AlN/SiC -core-shell nanowires: A first-principles study. Superlattices and Microstructures, 2013, 57, 19-26.	1.4	5
106	Electrochemical co-deposition and characterization of MnO_2/SWNT composite for supercapacitor application. Journal of Materials Science: Materials in Electronics, 2013, 24, 1913-1920.	1.1	26
107	Corrosion behavior of different tantalum crystal faces in NH_4Br ethanol solution and DFT calculation. Applied Surface Science, 2013, 280, 247-255.	3.1	12
108	In situ fabrication of $\text{Ni}(\text{OH})_2$ nanofibers on polypyrrole-based carbon nanotubes for high-capacitance supercapacitors. Materials Research Bulletin, 2013, 48, 1342-1345.	2.7	14

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109	Nb, F-codoped TiO ₂ hollow spheres with high visible light photocatalytic activity. <i>Nanoscale Research Letters</i> , 2013, 8, 508.	3.1	4
110	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.	5.2	62
111	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.	3.1	20
112	Superior lithium storage of the carbon modified hybrid of manganese monoxide and carbon nanotubes. <i>Materials Letters</i> , 2013, 113, 186-189.	1.3	9
113	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.	4.0	47
114	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.	4.0	50
115	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.	2.0	21
116	First-principles study on the structural stability and electronic properties of AlN/GaN heterostructure nanoribbons. <i>Superlattices and Microstructures</i> , 2013, 57, 37-43.	1.4	2
117	IMPROVING THE BATTERY PERFORMANCE OF LiVPO_4 BY CHROMIUM DOPING. <i>Functional Materials Letters</i> , 2013, 06, 1350053.	0.7	10
118	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.	2.2	3
119	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.	2.2	3
120	Excellent stability of spinel LiMn ₂ O ₄ -based composites for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 24563.	6.7	48
121	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.	2.0	77
122	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.	1.2	28
123	Flocculant-assisted synthesis of Fe ₂ O ₃ /carbon composites for superior lithium rechargeable batteries. <i>Materials Research Bulletin</i> , 2012, 47, 152-155.	2.7	11
124	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.	4.0	135
125	Electrochemical in situ polymerization of reduced graphene oxide/polypyrrole composite with high power density. <i>Journal of Power Sources</i> , 2012, 208, 138-143.	4.0	118
126	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.	4.0	13

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127	Fe excess in hydrothermally synthesized LiFePO ₄ . <i>Materials Letters</i> , 2012, 84, 139-142.	1.3	6
128	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.	2.2	2
129	Doping-Coating Surface Modification of Spinel LiMn ₂ O ₄ Cathode Material with Al ³⁺ for Lithium-Ion Batteries. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 1177-1182.	2.2	1
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