Youlong Xu

List of Publications by Citations

162	4,636	37	62
papers	citations	h-index	g-index
164	5,359	6.4	5.9
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
162	Sustainably powering wearable electronics solely by biomechanical energy. *Nature Communications*, **2016**, 7, 12744	17.4	392
161	Capacitance properties of single wall carbon nanotube/polypyrrole composite films. *Composites Science and Technology*, **2007**, 67, 2981-2985	8.6	172
160	Stretchable and Waterproof Self-Charging Power System for Harvesting Energy from Diverse Deformation and Powering Wearable Electronics. *ACS Nano*, **2016**, 10, 6519-25	16.7	160
159	All-Plastic-Materials Based Self-Charging Power System Composed of Triboelectric Nanogenerators and Supercapacitors. *Advanced Functional Materials*, **2016**, 26, 1070-1076	15.6	152
158	Electrochemical supercapacitor electrode material based on poly(3,4-ethylenedioxythiophene)/polypyrrole composite. *Journal of Power Sources*, **2007**, 163, 1120-1125	8.9	147
157	Template-free prepared micro/nanostructured polypyrrole with ultrafast charging/discharging rate and long cycle life. *Journal of Power Sources*, **2011**, 196, 2373-2379	8.9	131
156	Electrochemical in situ polymerization of reduced graphene oxide/polypyrrole composite with high power density. *Journal of Power Sources*, **2012**, 208, 138-143	8.9	111
155	Suppression of Jahn□Teller distortion of spinel LiMn2O4 cathode. *Journal of Alloys and Compounds*, **2009**, 479, 310-313	5.7	110
154	Synthesis and electrochemical characterization of multi-cations doped spinel LiMn2O4 used for lithium ion batteries. *Journal of Power Sources*, **2012**, 199, 214-219	8.9	108
153	The effect of various electrolyte cations on electrochemical performance of polypyrrole/RGO based supercapacitors. *Physical Chemistry Chemical Physics*, **2015**, 17, 28666-73	3.6	105
152	Graphene oxide sheets-induced growth of nanostructured Fe3O4 for a high-performance anode material of lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 12938-12946	13	83
151	Morphology controllable nano-sheet polypyrrole-graphene composites for high-rate supercapacitor. *Physical Chemistry Chemical Physics*, **2015**, 17, 19885-94	3.6	79
150	Porous and high electronic conductivity nitrogen-doped nano-sheet carbon derived from polypyrrole for high-power supercapacitors. *Carbon*, **2016**, 107, 638-645	10.4	79
149	Low propagation loss SiN optical waveguide prepared by optimal low-hydrogen module. *Optics Express*, **2008**, 16, 20809-16	3.3	75
148	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	15.6	75
147	Capacitance properties of poly(3,4-ethylenedioxythiophene)/polypyrrole composites. *Journal of Power Sources*, **2006**, 159, 370-373	8.9	72
146	Study of the photoconductive ZnO UV detector based on the electrically floated nanowire array. *Sensors and Actuators A: Physical*, **2012**, 181, 6-12	3.9	70

145	High charge/discharge rate polypyrrole films prepared by pulse current polymerization. *Synthetic Metals*, **2010**, 160, 1826-1831	3.6	64
144	Synthesis, characterization and electrochemical behavior of polypyrrole/carbon nanotube composites using organometallic-functionalized carbon nanotubes. *Applied Surface Science*, **2010**, 256, 2284-2288	6.7	63
143	Low-Cost Al2O3 Coating Layer As a Preformed SEI on Natural Graphite Powder To Improve Coulombic Efficiency and High-Rate Cycling Stability of Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 6512-9	9.5	61
142	Electrochemical properties of tetravalent Ti-doped spinel LiMn2O4. *Journal of Solid State Electrochemistry*, **2011**, 15, 1263-1269	2.6	61
141	Electrochemically exfoliated high-yield graphene in ambient temperature molten salts and its application for flexible solid-state supercapacitors. *Carbon*, **2018**, 127, 392-403	10.4	56
140	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
139	Microwave-Assisted Synthesis of SnO2@polypyrrole Nanotubes and Their Pyrolyzed Composite as Anode for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 15598-606	9.5	51
138	High performance LiV0.96Mn0.04PO4F/C cathodes for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 2501	13	51
137	High electrochemical stability Al-doped spinel LiMn2O4 cathode material for Li-ion batteries. *Journal of Energy Storage*, **2020**, 27, 101036	7.8	51
136	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
135	Toward a high specific power and high stability polypyrrole supercapacitors. *Synthetic Metals*, **2011**, 161, 1141-1144	3.6	49
134	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. *Journal of Alloys and Compounds*, **2016**, 677, 18-26	5.7	47
133	Sodium substitution for partial lithium to significantly enhance the cycling stability of Li 2 MnO 3 cathode material. *Journal of Power Sources*, **2013**, 243, 78-87	8.9	42
132	Excellent stability of spinel LiMn2O4-based composites for lithium ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 24563		42
131	Effect of Al substitution on the enhanced electrochemical performance and strong structure stability of Na3V2(PO4)3/C composite cathode for sodium-ion batteries. *Journal of Power Sources*, **2018**, 375, 82-92	8.9	41
130	Simultaneous Electrochemical Dual-Electrode Exfoliation of Graphite toward Scalable Production of High-Quality Graphene. *Advanced Functional Materials*, **2019**, 29, 1902171	15.6	40
129	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	8.9	40
128	The composite rods of MnO and multi-walled carbon nanotubes as anode materials for lithium ion batteries. *Journal of Power Sources*, **2013**, 244, 690-694	8.9	39

127	Polyaniline with high crystallinity degree: Synthesis, structure, and electrochemical properties. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	38
126	Nitrogen-doped graphene assists Fe2O3 in enhancing electrochemical performance. *Journal of Power Sources*, **2016**, 326, 389-396	8.9	37
125	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
124	Unique rhombus-like precursor for synthesis of Li1.3Al0.3Ti1.7(PO4)3 solid electrolyte with high ionic conductivity. *Chemical Engineering Journal*, **2018**, 345, 483-491	14.7	35
123	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
122	Fluorophosphates from Solid-State Synthesis and Electrochemical Ion Exchange: NaVPO4F or Na3V2(PO4)2F3?. *Advanced Energy Materials*, **2018**, 8, 1801064	21.8	34
121	Towards low-cost, high energy density Li2MnO3 cathode materials. *Journal of Materials Chemistry A* , **2015**, 3, 670-679	13	33
120	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	6.7	32
119	Novel method to enhance the cycling performance of spinel LiMn2O4. *Electrochemistry Communications*, **2007**, 9, 2023-2026	5.1	31
118	Gravity-assisted synthesis of micro/nano-structured polypyrrole for supercapacitors. *Chemical Engineering Journal*, **2017**, 330, 1060-1067	14.7	29
117	Double roles of aluminium ion on surface-modified spinel LiMn1.97Ti0.03O4. *Journal of Materials Chemistry*, **2011**, 21, 4937		29
116	LiF assisted synthesis of LiTi 2 (PO 4) 3 solid electrolyte with enhanced ionic conductivity. *Solid State Ionics*, **2017**, 309, 22-26	3.3	28
115	Polymer-derived carbon nanofiber network supported SnO2 nanocrystals: a superior lithium secondary battery material. *Journal of Materials Chemistry*, **2011**, 21, 19302		28
114	Formation of Al2O3BaTiO3 composite thin film to increase the specific capacitance of aluminum electrolytic capacitor. *Thin Solid Films*, **2008**, 516, 8436-8440	2.2	28
113	Spinel LiMn2O4 active material with high capacity retention. *Applied Surface Science*, **2007**, 253, 8592-8596	6.7	27
112	Electrochemical capacitance of the composite of poly (3,4-ethylenedioxythiophene) and functionalized single-walled carbon nanotubes. *Journal of Solid State Electrochemistry*, **2008**, 12, 947-952	2.6	27
111	Garnet Si□i7La3Zr2O12 electrolyte with a durable, low resistance interface layer for all-solid-state lithium metal batteries. *Journal of Power Sources*, **2020**, 453, 227881	8.9	26
110	Electropolymerized composite film of polypyrrole and functionalized multi-walled carbon nanotubes: effect of functionalization time on capacitive performance. *Journal of Solid State Electrochemistry*, **2012**, 16, 1781-1789	2.6	26

109	Ionic and electronic conductivity of solid electrolyte Li0.5La0.5TiO3 doped with LiO2-SiO2-B2O3 glass. *Journal of Alloys and Compounds*, **2018**, 739, 892-896	5.7	25
108	Electrochemical co-deposition and characterization of MnO2/SWNT composite for supercapacitor application. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 1913-1920	2.1	25
107	Titanium doped LiVPO4F cathode for lithium ion batteries. *Solid State Ionics*, **2014**, 268, 236-241	3.3	25
106	Ionic conduction, colossal permittivity and dielectric relaxation behavior of solid electrolyte Li3La2/3-TiO3 ceramics. *Journal of the European Ceramic Society*, **2018**, 38, 4483-4487	6	25
105	One-step Preparation of Nanoarchitectured TiO2 on Porous Al as Integrated Anode for High-performance Lithium-ion Batteries. *Scientific Reports*, **2016**, 6, 20138	4.9	24
104	Effect of Doping Ions on Electrochemical Capacitance Properties of Polypyrrole Films. *Acta Physico-chimica Sinica*, **2007**, 23, 299-304		24
103	Facile strategy of hollow polyaniline nanotubes supported on TiC-MXene nanosheets for High-performance symmetric supercapacitors. *Journal of Colloid and Interface Science*, **2020**, 580, 601-613	9.3	24
102	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
101	Polypyrrole Films Electrochemically Doped with Dodecylbenzenesulfonate for Copper Protection. *Journal of the Electrochemical Society*, **2007**, 154, C445	3.9	23
100	Enhanced cycling performance of spinel LiMn2O4 coated with ZnMn2O4 shell. *Journal of Solid State Electrochemistry*, **2008**, 12, 851-855	2.6	23
99	Electrochemically active MnO2 coated Li1.2Ni0.18Co0.04Mn0.58O2 cathode with highly improved initial coulombic efficiency. *Applied Surface Science*, **2016**, 384, 125-134	6.7	23
98	Enhanced electrochemical properties of F-doped Li2MnSiO4/C for lithium ion batteries. *Journal of Power Sources*, **2018**, 378, 345-352	8.9	22
97	Magnesium substitution to improve the electrochemical performance of layered Li2MnO3 positive-electrode material. *Journal of Power Sources*, **2016**, 330, 37-44	8.9	21
96	Interface effect on the electropolymerized polypyrrole films with hollow micro/nanohorn arrays. *ACS Applied Materials & Interfaces*, **2014**, 6, 4693-704	9.5	21
95	Novel approach to preparation of LiMn2O4 core/LiNixMn2−xO4 shell composite. *Applied Surface Science*, **2009**, 255, 5651-5655	6.7	21
94	Al2O3/(Ba0.5Sr0.5)TiO3 composite oxide films on etched aluminum foil by sol–gel coating and anodizing. *Ceramics International*, **2004**, 30, 1741-1743	5.1	21
93	Nitrogen-doped hierarchically porous carbonaceous nanotubes for lithium ion batteries. *Chemical Engineering Journal*, **2018**, 352, 964-971	14.7	20
92	Study on capacitance evolving mechanism of polypyrrole during prolonged cycling. *Journal of Physical Chemistry B*, **2014**, 118, 1353-62	3.4	20

91	High performance Li 2 MnO 3 /rGO composite cathode for lithium ion batteries. *Journal of Power Sources*, **2017**, 349, 11-17	8.9	18
90	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
89	Li2MnO3 stabilized LiNi1/3Co1/3Mn1/3O2 cathode with improved performance for lithium ion batteries. *Applied Surface Science*, **2013**, 285, 235-240	6.7	17
88	Performance improvement of ZnO nanowire based surface acoustic wave ultraviolet detector via poly(3,4-ethylenedioxythiophene) surface coating. *Sensors and Actuators A: Physical*, **2013**, 199, 149-155	3.9	17
87	Synthesis and Characterization of Bismuth Titanate by an Aqueous Sol□Gel Method. *Journal of the American Ceramic Society*, **2007**, 90, 1382-1385	3.8	17
86	Formation of Al2O3□Bi4Ti3O12 nanocomposite oxide films on low-voltage etched aluminum foil by sol□gel processing. *Surface and Coatings Technology*, **2008**, 202, 1923-1927	4.4	17
85	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
84	Capacitive characteristics of nanocomposites of conducting polypyrrole and functionalized carbon nanotubes: effects of in situ dopant and film thickness. *Journal of Solid State Electrochemistry*, **2010** , 14, 1565-1575	2.6	16
83	Towards a high-rate and long-life LiVPO4F/C cathode material for lithium ion batteries by potassium and zirconium co-doping. *Journal of Power Sources*, **2018**, 401, 142-148	8.9	16
82	Preinserted Li metal porous carbon nanotubes with high Coulombic efficiency for lithium-ion battery anodes. *Chemical Engineering Journal*, **2019**, 373, 78-85	14.7	15
81	ZnO nanorod arrays grown on g-CN micro-sheets for enhanced visible light photocatalytic H evolution.. *RSC Advances*, **2019**, 9, 24483-24488	3.7	15
80	Improved electrochemical performances of li- and Mn-Rich layered oxides 0.4Li4/3Mn2/3O2□0.6LiNi1/3Co1/3Mn1/3O2 cathode material by Co3O4 coating. *Solid State Ionics*, **2017**, 310, 62-70	3.3	15
79	Low-Temperature Synthesis of Bismuth Titanate by an Aqueous Sol□Gel Method. *Journal of the American Ceramic Society*, **2008**, 91, 2079-2082	3.8	15
78	Mg-doped Li1.133Ni0.2Co0.2Mn0.467O2 in Li site as high-performance cathode material for Li-ion batteries. *Solid State Ionics*, **2019**, 336, 87-94	3.3	14
77	Enhanced ionic conductivity of an F□assisted Na3Zr2Si2PO12 solid electrolyte for solid-state sodium batteries. *Journal of Materials Chemistry A*, **2020**, 8, 12594-12602	13	14
76	Off-stoichiometric Na3V2-x(PO4)3/C cathode composites with stable lifetime for sodium ion batteries. *Ceramics International*, **2018**, 44, 13055-13064	5.1	14
75	Lanthanum and cerium Co-doped LiFePO4: Morphology, electrochemical performance and kinetic study from□30 -□+50□°C. *Electrochimica Acta*, **2019**, 322, 134686	6.7	14
74	In situ fabrication of Ni(OH)2 nanofibers on polypyrrole-based carbon nanotubes for high-capacitance supercapacitors. *Materials Research Bulletin*, **2013**, 48, 1342-1345	5.1	14

73	Formation of Al2O3–BaTiO3 nanocomposite oxide films on etched aluminum foil by sol–gel coating and anodizing. *Journal of Sol-Gel Science and Technology*, **2008**, 45, 57-61	2.3	14
72	High-capacity phase formation by surface modification of Li3PO4 on nanosized Li2RuO3 electrode for lithium batteries. *Journal of Power Sources*, **2012**, 208, 447-451	8.9	13
71	Surface Modification of Al Foils for Aluminum Electrolytic Capacitor. *Advanced Functional Materials*, **2017**, 27, 1606042	15.6	11
70	Flocculant-assisted synthesis of Fe2O3/carbon composites for superior lithium rechargeable batteries. *Materials Research Bulletin*, **2012**, 47, 152-155	5.1	11
69	Enhanced capacitance performance of Al2O3–TiO2 composite thin film via sol-gel using double chelators. *Journal of Colloid and Interface Science*, **2015**, 443, 170-6	9.3	11
68	Double Donors Tuning Conductivity of LiVPOF for Advanced Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 38849-38858	9.5	10
67	Simple and Rapid Spectrophotometric Determination of Titanium on Etched Aluminum Foils. *American Journal of Analytical Chemistry*, **2014**, 05, 149-156	0.7	10
66	Enhanced redox kinetics of polysulfides by nano-rod FeOOH for ultrastable lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2020**, 8, 19544-19554	13	10
65	Dielectric properties and I-V characteristics of Li0.5La0.5TiO3 solid electrolyte for ceramic supercapacitors. *Ceramics International*, **2019**, 45, 8243-8247	5.1	9
64	Fluorinion transfer in silver-assisted chemical etching for silicon nanowires arrays. *Applied Surface Science*, **2015**, 347, 421-427	6.7	9
63	Elevated Energy Density and Cyclic Stability of LiVPO4F Cathode Material for High-rate Lithium Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 3553-3561	6.1	9
62	IMPROVING THE BATTERY PERFORMANCE OF LiVPO4F BY CHROMIUM DOPING. *Functional Materials Letters*, **2013**, 06, 1350053	1.2	9
61	Mg2+/F– Synergy to Enhance the Ionic Conductivity of Na3Zr2Si2PO12 Solid Electrolyte for Solid-State Sodium Batteries. *ChemElectroChem*, **2020**, 7, 2087-2094	4.3	8
60	The electrochemical performance of sodium-ion-modified spinel LiMn2O4 used for lithium-ion batteries. *Journal of Solid State Electrochemistry*, **2014**, 18, 713-719	2.6	8
59	Superior lithium storage of the carbon modified hybrid of manganese monoxide and carbon nanotubes. *Materials Letters*, **2013**, 113, 186-189	3.3	8
58	Electrochemical performance of LiFePO4/graphene composites at low temperature affected by preparation technology. *Electrochimica Acta*, **2021**, 368, 137575	6.7	8
57	Rational design of hierarchical FeCo2O4 nanosheets@NiO nanowhiskers core-shell heterostructure as binder-free electrodes for efficient pseudocapacitors. *Electrochimica Acta*, **2021**, 370, 137789	6.7	8
56	Synthesis of carbon coated Li2MnO3 cathode material with enhanced rate capability for lithium-ion batteries. *Solid State Ionics*, **2018**, 325, 170-175	3.3	8

55	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
54	Novel Mn-based Li-rich layered oxide 0.3Li2MnO3□0.7LiNi1/3Co1/3Mn1/3O2 as anode material for lithium-ion batteries. *Materials Letters*, **2018**, 210, 223-226	3.3	7
53	High-performance symmetric lithium-ion batteries constructed with a new bi-functional electrode Li- and Mn-rich layered oxide 0.3Li2MnO3□0.7LiNi1/3Co1/3Mn1/3O2. *Electrochimica Acta*, **2019**, 325, 134932	6.7	7
52	Synthesis and Third-Order Optical Nonlinearities of Conjugated Polymer-Bonded Carbon Nanotubes. *Japanese Journal of Applied Physics*, **2005**, 44, 3022-3027	1.4	7
51	Self-assembled reduced graphene oxide films with different thicknesses as high performance supercapacitor electrodes. *Journal of Energy Storage*, **2020**, 32, 101795	7.8	7
50	Regulating cations and solvents of the electrolyte for ultra-efficient electrochemical production of high-quality graphene. *Carbon*, **2021**, 176, 157-167	10.4	7
49	Study of TiO2-Coated □Fe2O3 Composites and the Oxygen-Defects Effect on the Application as the Anode Materials of High-Performance Li-Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 11666-11673	6.1	6
48	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
47	MnO@Al2O3 with high cycle performance via depressing solution of Mn for lithium-ion batteries anode. *Applied Surface Science*, **2018**, 457, 831-837	6.7	6
46	Dual-site magnesium doping in Li2MnSiO4/C/rGO cathode material for lithium-ion batteries. *Solid State Ionics*, **2019**, 338, 39-46	3.3	5
45	A pH-Tailored Anodic Deposition of Hydrous RuO2 for Supercapacitors. *ChemistrySelect*, **2019**, 4, 8122-8128	1.8	5
44	Fe excess in hydrothermally synthesized LiFePO4. *Materials Letters*, **2012**, 84, 139-142	3.3	5
43	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	2.8	5
42	Synthesis and characterization of TiO2/C by a simple thermal decomposition method. *Solid State Ionics*, **2014**, 268, 265-267	3.3	5
41	Preparation and Electrical Properties of an Anodized Al2O3□BaTiO3 Composite Film. *Journal of the American Ceramic Society*, **2008**, 91, 2360-2363	3.8	5
40	Porous membrane host-derived in-situ polymer electrolytes with double-stabilized electrode interface enable long cycling lithium metal batteries. *Chemical Engineering Journal*, **2022**, 433, 134471	14.7	5
39	Unraveling the mechanism of optimal concentration for Fe substitution in Na3V2(PO4)2F3/C for Sodium-Ion batteries. *Energy Storage Materials*, **2021**, 37, 325-335	19.4	5
38	Unveiling dual-site substitution in stabilizing LiVPO4F cathode paired with Li metal anode for durable lithium ion batteries. *Electrochimica Acta*, **2020**, 349, 136374	6.7	4

37	Biomimetic Synthesis of Ear-of-wheat-shaped Manganese Oxide Nanoparticles on Carbon Nanotubes for High-capacity Lithium Storage. *Energy and Environmental Materials*, **2020**, 4, 399	13	4
36	Hydrothermal-assisted solid-state reaction synthesis of high ionic conductivity Li1+xAlxTi2(PO4)3 ceramic solid electrolytes: The effect of Al3+ doping content. *Solid State Ionics*, **2019**, 343, 115078	3.3	4
35	Hydrous ruthenium oxide prepared by steam-assisted thermolysis: Capacitance and stability. *Solid State Ionics*, **2014**, 268, 312-315	3.3	4
34	Nb, F-codoped TiO2 hollow spheres with high visible light photocatalytic activity. *Nanoscale Research Letters*, **2013**, 8, 508	5	4
33	Improved Electrochemical Stability of Zn-Doped LiNi1/3Co1/3Mn1/3O2 Cathode Materials. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2012**, 28, 1899-1905	3.8	4
32	All-In-One Stainless-Steel Mesh Oxide Composites Anode for Flexible Li-Ion Battery. *Advanced Materials Technologies*, **2020**, 5, 2000376	6.8	4
31	Facile synthesis of foamed-nickel supporting MnO2 as binder-less electrodes for high electrochemical performance supercapacitors. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	3
30	Multi-cations doped LiVPO4F cathode for lithium-ion batteries. *Functional Materials Letters*, **2015**, 08, 1550060	1.2	3
29	Capacitive characteristics of nanocomposites of conducting polypyrrole and functionalized carbon nanotubes: pulse current synthesis and tailoring. *Journal of Solid State Electrochemistry*, **2016**, 20, 1413-1420	2.6	3
28	Simple thermal decomposition method to synthesize LiTi2(PO4)3/C coreshell composite for lithium ion batteries. *Journal of Solid State Electrochemistry*, **2016**, 20, 1889-1894	2.6	3
27	HeterostructureZnO-MnOnetwork with graphene for improved lithium ions storage anode. *Journal of Alloys and Compounds*, **2019**, 802, 591-599	5.7	3
26	Corrosion behavior of different tantalum crystal faces in NH4Brethanol solution and DFT calculation. *Applied Surface Science*, **2013**, 280, 247-255	6.7	3
25	The effect of K-Ion on the electrochemical performance of spinel LiMn2O4. *Electronic Materials Letters*, **2015**, 11, 138-142	2.9	3
24	Synthesis and characterization of Nb, F-codoped titania nanoparticles for dye-sensitized solar cells. *Journal of Materials Research*, **2014**, 29, 230-238	2.5	3
23	A Novel Method to Improve Cycling Performance of LiMn2O4 Cathodes. *ECS Transactions*, **2006**, 1, 59-671		3
22	Optimizing the Hydrothermal Synthesis of Micro-Sized Olivine LiFePO4. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2012**, 28, 2885-2892	3.8	3
21	Synthesis and Performance of Nano MnO as an Anode Material for Lithium-Ion Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2013**, 29, 293-297	3.8	3
20	Synthesis and Electrochemical Characterization of Ge4+, Sn4+ Doped Spinel LiMn2O4. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2013**, 29, 763-769	3.8	3

19	A new high-voltage plateau of Na3V2(PO4)3 for sodium ion batteries: A promising cathode with high energy density. *Ceramics International*, **2021**, 47, 26579-26583	5.1	3
18	Insights into the enhanced electrochemical performance of Mn-deficiency Li2Mn(1-x)SiO4/C for Li-ion batteries: Experimental and theoretical study. *Journal of Power Sources*, **2019**, 420, 46-53	8.9	2
17	Suppressing Fe□i, Ni□i Antisite Defects in LiFePO4 and LiNi1/3Co1/3Mn1/3O2 by Optimized Synthesis Methods. *ACS Applied Energy Materials*, **2020**, 3, 5893-5901	6.1	2
16	TiO2 Nanotubes as an Anode Material for Lithium Ion Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2015**, 31, 1437-1451	3.8	2
15	Triple-Cation-Doped Li3V2(PO4)3 Cathode Material for Lithium Ion Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2015**, 31, 1513-1520	3.8	2
14	First-principles study on the structural stability and electronic properties of AlN/GaN heterostructure nanoribbons. *Superlattices and Microstructures*, **2013**, 57, 37-43	2.8	2
13	Electropolymerization and Characterization of Fast Charge-Discharge PPy/F-SWNTs Composite Materials. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2012**, 28, 373-380	3.8	2
12	Preparation and Application of Nanorod FeOOH/CNT@S Composites for High-Performance Lithium□Sulfur Batteries. *ACS Applied Energy Materials*, **2021**, 4, 8368-8376	6.1	2
11	Nonlinear Optical Properties of Poly(3,4-ethylenedioxythiophene) Synthesized by Electropolymerization. *Japanese Journal of Applied Physics*, **2009**, 48, 04C123	1.4	1
10	Preparation of LiMn2O4 Cathode with Excellent Cycling Performance. *ECS Transactions*, **2006**, 2, 1-9	1	1
9	Efficient Anion Fluoride-Doping Strategy to Enhance the Performance in Garnet-Type Solid Electrolyte LiLaZrO.. *ACS Applied Materials & Interfaces*, **2022**, 14, 2939-2948	9.5	1
8	Enhanced critical current density of Garnet Li7La3Zr2O12 solid electrolyte by incorporation of LiBr. *Electrochimica Acta*, **2022**, 409, 139986	6.7	1
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