

Lingjun Li

List of Publications by Year in descending order

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papers

3,640
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117625

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77
all docs

77
docs citations

77
times ranked

3516
citing authors

#	ARTICLE	IF	CITATIONS
1	Access to Photostability-Enhanced Unnatural Base Pairs via Local Structural Modifications. ACS Synthetic Biology, 2022, 11, 334-342.	3.8	7
2	B-doped and La ₄ NiLiO ₈ -coated Ni-rich cathode with enhanced structural and interfacial stability for lithium-ion batteries. Journal of Energy Chemistry, 2022, 71, 588-594.	12.9	106
3	Ti-substituted O ₃ -type layered oxide cathode material with high-voltage stability for sodium-ion batteries. Journal of Colloid and Interface Science, 2022, 622, 1037-1044.	9.4	22
4	Effects of chelating agents on electrochemical properties of Na _{0.9} Ni _{0.45} Mn _{0.55} O ₂ cathode materials. Journal of Alloys and Compounds, 2021, 855, 157485.	5.5	28
5	Evaluation of Collagen Alterations in Early Precursor Lesions of High Grade Serous Ovarian Cancer by Second Harmonic Generation Microscopy and Mass Spectrometry. Cancers, 2021, 13, 2794.	3.7	15
6	Ce-modified LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode with enhanced surface and structural stability for Li ion batteries. Advanced Powder Technology, 2021, 32, 2493-2501.	4.1	12
7	Role of Residual Li and Oxygen Vacancies in Ni-rich Cathode Materials. ACS Applied Materials & Interfaces, 2021, 13, 42554-42563.	8.0	56
8	Bimetallic MOF-derived CoSe ₂ embedded within N-doped carbon with enhanced lithium storage properties. Solid State Ionics, 2021, 370, 115747.	2.7	12
9	Enhanced pseudocapacitive behaviors of Sb-based anodes for lithium ion batteries via dual modification approach of Fe doping combined with double carbon coatings. Journal of Alloys and Compounds, 2021, 889, 161658.	5.5	6
10	Review of Recent Advances in Lipid Analysis of Biological Samples via Ambient Ionization Mass Spectrometry. Metabolites, 2021, 11, 781.	2.9	8
11	Copper-catalyzed <i>in situ</i> oxidative-coupling for one-pot synthesis of 5-aryl-1,4-disubstituted 1,2,3-triazoles under mild conditions. RSC Advances, 2021, 11, 38108-38114.	3.6	6
12	Synergy of interlayer expansion and capacitive contribution promoting sodium ion storage in S, N-Doped mesoporous carbon nanofiber. Journal of Power Sources, 2020, 449, 227514.	7.8	50
13	Effect of Different Composition on Voltage Attenuation of Li-Rich Cathode Material for Lithium-Ion Batteries. Materials, 2020, 13, 40.	2.9	23
14	Simultaneous synthesis and synergetic stabilization of Zr-doped and Li ₆ Zr ₂ O ₇ -coated Ni-rich layered cathode for advanced lithium ion batteries. Electrochimica Acta, 2020, 364, 137120.	5.2	28
15	Improved electrochemical performance of high-nickel cathode material with electronic conductor RuO ₂ as the protecting layer for lithium-ion batteries. Applied Surface Science, 2020, 531, 147245.	6.1	36
16	An efficient and easily-accessible ligand for Cu-catalyzed azide-alkyne cycloaddition bioconjugation. Chemical Communications, 2020, 56, 14401-14403.	4.1	8
17	Oxygen-induced lithiophilicity of tin-based framework toward highly stable lithium metal anode. Chemical Engineering Journal, 2020, 394, 124848.	12.7	36
18	Engineering red phosphorus confined in TiO ₂ -coated ultrathin carbon-bubble foam with enhanced Li+ storage capability. Applied Surface Science, 2020, 529, 147114.	6.1	7

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19	Cleaner enzymatic production of biodiesel with easy separation procedures triggered by a biocompatible hydrophilic ionic liquid. <i>Green Chemistry</i> , 2020, 22, 1944-1951.	9.0	16
20	High-Performance Lithium-Rich Layered Oxide Material: Effects of Preparation Methods on Microstructure and Electrochemical Properties. <i>Materials</i> , 2020, 13, 334.	2.9	20
21	Robust template-activator cooperated pyrolysis enabling hierarchically porous honeycombed defective carbon as highly-efficient metal-free bifunctional electrocatalyst for Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118603.	20.2	79
22	Bimetal-organic Framework-derived $\text{Co}_9\text{S}_8/\text{ZnS}@NC$ Heterostructures for Superior Lithium-ion Storage. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1613-1620.	3.3	24
23	Solid-state synthesis of lanthanum-based oxides Co-coated $\text{LiNi}_0.5\text{Co}_0.2\text{Mn}_0.3\text{O}_2$ for advanced lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154959.	5.5	57
24	In-situ tailored 3D $\text{Li}_2\text{O}@Cu$ nanowires array enabling stable lithium metal anode with ultra-high coulombic efficiency. <i>Journal of Power Sources</i> , 2020, 463, 228178.	7.8	33
25	Cobalt phthalocyanine derived bifunctional carbon decorated CoSe with enhanced lithium storage capability. <i>Synthetic Metals</i> , 2020, 269, 116554.	3.9	9
26	Effect of Zr doping and $\text{Li}_2\text{O}-2\text{B}_2\text{O}_3$ layer on the structural electrochemical properties of $\text{LiNi}_0.5\text{Co}_0.2\text{Mn}_0.3\text{O}_2$ cathode material: experiments and first-principle calculations. <i>Ionics</i> , 2019, 25, 2017-2026.	2.4	16
27	The Effects of Reversibility of H ₂ -H ₃ Phase Transition on Ni-Rich Layered Oxide Cathode for High-Energy Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2019, 7, 500.	3.6	51
28	An integrated high-throughput strategy enables the discovery of multifunctional ionic liquids for sustainable chemical processes. <i>Green Chemistry</i> , 2019, 21, 307-313.	9.0	16
29	Optimization of Replication, Transcription, and Translation in a Semi-Synthetic Organism. <i>Journal of the American Chemical Society</i> , 2019, 141, 10644-10653.	13.7	52
30	Co_9S_8 confined in bifunctional N/S co-doped carbon/carbon with high electrochemical performance for lithium-ion batteries. <i>Applied Surface Science</i> , 2019, 489, 528-537.	6.1	50
31	Non-aqueous dual-carbon lithium-ion capacitors: a review. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15541-15563.	10.3	118
32	Multi-component syntheses of diverse 5-fluoroalkyl-1,2,3-triazoles facilitated by air oxidation and copper catalysis. <i>Green Chemistry</i> , 2019, 21, 3407-3412.	9.0	18
33	Simultaneously Dual Modification of Ni-Rich Layered Oxide Cathode for High-Energy Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1808825.	14.9	430
34	Recent Advances and New Perspectives in Capillary Electrophoresis-Mass Spectrometry for Single Cell Omics. <i>Molecules</i> , 2019, 24, 42.	3.8	36
35	Controllable construction of interconnected SnO_2/N -doped carbon/carbon composite for enhanced-performance lithium-ion batteries anodes. <i>Journal of Alloys and Compounds</i> , 2019, 778, 731-740.	5.5	39
36	Modification research of LiAlO_2 -coated $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2$ as a cathode material for lithium-ion battery. <i>Ionics</i> , 2018, 24, 91-98.	2.4	42

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37	Effect of Controlled-Atmosphere Storage and Ethanol Rinsing on $\text{NaNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38246-38254.	8.0	58
38	Medium Rings Bearing Bitriazolyls: Easily Accessible Structures with Superior Performance as Cu Catalyst Ligands. <i>Journal of Organic Chemistry</i> , 2018, 83, 13166-13177.	3.2	6
39	Enhanced cycle stability of $\text{Na}_{0.9}\text{Ni}_{0.45}\text{Mn}_{0.55}\text{O}_2$ through tailoring O3/P2 hybrid structures for sodium-ion batteries. <i>Journal of Power Sources</i> , 2018, 406, 110-117.	7.8	90
40	In situ construction of interconnected SnO_2 /nitrogen-doped Carbon@ TiO_2 networks for lithium-ion half/full cells. <i>Electrochimica Acta</i> , 2018, 290, 312-321.	5.2	49
41	Synthesis of Yolk-Shell-Structured Si@C Nanocomposite Anode Material for Lithium-Ion Battery. <i>Journal of Electronic Materials</i> , 2018, 47, 6311-6318.	2.2	19
42	Porous Hollow Superlattice $\text{NiMn}_2\text{O}_4/\text{NiCo}_2\text{O}_4$ Mesocrystals as a Highly Reversible Anode Material for Lithium-Ion Batteries. <i>Frontiers in Chemistry</i> , 2018, 6, 153.	3.6	12
43	High Performance and Structural Stability of K and Cl Co-Doped $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ Cathode Materials in 4.6 Voltage. <i>Frontiers in Chemistry</i> , 2018, 6, 643.	3.6	38
44	Improved Electrochemical Performance of Surface Coated $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ With Polypyrrole. <i>Frontiers in Chemistry</i> , 2018, 6, 648.	3.6	7
45	One-step synthesis of ZnO/N-doped carbon/Cu composites for high-performance lithium ion batteries anodes. <i>Synthetic Metals</i> , 2017, 226, 39-45.	3.9	19
46	Building Honeycomb-Like Hollow Microsphere Architecture in a Bubble Template Reaction for High-Performance Lithium-Rich Layered Oxide Cathode Materials. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30617-30625.	8.0	42
47	Effects of Trimetaphosphate on Abiotic Formation and Hydrolysis of Peptides. <i>Life</i> , 2017, 7, 50.	2.4	14
48	Effect of Al substitution sites on $\text{Li}_{1-x}\text{Al}_x(\text{Ni}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3})_{1-y}\text{Al}_y\text{O}_2$ cathode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 686, 30-37.	5.5	31
49	Alleviating Surface Degradation of Nickel-Rich Layered Oxide Cathode Material by Encapsulating with Nanoscale Li-Ions/Electrons Superionic Conductors Hybrid Membrane for Advanced Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30879-30889.	8.0	131
50	Estimation of temperature distribution of LiFePO_4 lithium ion battery during charge-discharge process. <i>Ionics</i> , 2016, 22, 1517-1525.	2.4	8
51	Structural analysis of layered Li_2MnO_3 - LiMO_2 ($M=\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}$, $\text{Ni}_{1/2}\text{Mn}_{1/2}$) cathode materials by Rietveld refinement and first-principles calculations. <i>Ceramics International</i> , 2016, 42, 8537-8544.	4.8	23
52	Thermo-electrochemical study on cathode materials for lithium ion cells. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2167-2175.	2.5	5
53	Mitigating capacity fade by constructing highly ordered mesoporous Al_2O_3 /polyacene double-shelled architecture in Li-rich cathode materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13933-13945.	10.3	80
54	Highly crystalline alumina surface coating from hydrolysis of aluminum isopropoxide on lithium-rich layered oxide. <i>Journal of Power Sources</i> , 2015, 281, 444-454.	7.8	73

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55	High-performance lithium-rich layered oxide materials: Effects of chelating agents on microstructure and electrochemical properties. <i>Electrochimica Acta</i> , 2015, 174, 446-455.	5.2	62
56	Characterization and electrochemical performance of lithium-active titanium dioxide inlaid $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ material prepared by lithium residue-assisted method. <i>Journal of Alloys and Compounds</i> , 2015, 638, 77-82.	5.5	51
57	Direct growth of urchin-like ZnCo_2O_4 microspheres assembled from nanowires on nickel foam as high-performance electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2015, 169, 202-209.	5.2	149
58	Effects of lithium-active manganese trioxide coating on the structural and electrochemical characteristics of $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ as cathode materials for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2015, 650, 684-691.	5.5	22
59	Electrochemical properties of self-assembled porous micro-spherical $\text{LiFePO}_4/\text{PAS}$ composite prepared by spray-drying method. <i>Electrochimica Acta</i> , 2015, 186, 117-124.	5.2	26
60	A hydrolysis-hydrothermal route for the synthesis of ultrathin LiAlO_2 -inlaid $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ as a high-performance cathode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 894-904.	10.3	286
61	Characterization of Na-substituted $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ cathode materials for lithium-ion battery. <i>Ionics</i> , 2014, 20, 629-634.	2.4	16
62	The impact of vanadium substitution on the structure and electrochemical performance of $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$. <i>Electrochimica Acta</i> , 2014, 135, 77-85.	5.2	98
63	Molten salt synthesis and electrochemical properties of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ cathode materials. <i>Synthetic Metals</i> , 2014, 187, 123-129.	3.9	23
64	Study on the thermal stability of Ga-doped ZnO thin film: A transparent conductive layer for dye-sensitized TiO_2 nanoparticles based solar cells. <i>Materials Science in Semiconductor Processing</i> , 2014, 26, 276-281.	4.0	13
65	Synthesis of cation-substituted $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ from laterite. <i>Ionics</i> , 2013, 19, 1215-1222.	2.4	16
66	Polyacene coated carbon/ LiFePO_4 cathode for Li ion batteries: Understanding the stabilized double coating structure and enhanced lithium ion diffusion kinetics. <i>Electrochimica Acta</i> , 2013, 109, 262-268.	5.2	37
67	Characterization of multiple metals (Cr, Mg) substituted $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ cathode materials for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2012, 520, 190-194.	5.5	103
68	Effects of chromium on the structural, surface chemistry and electrochemical of layered $\text{LiNi}_{0.8-x}\text{Co}_{0.1}\text{Mn}_{0.1}\text{Cr}_x\text{O}_2$. <i>Electrochimica Acta</i> , 2012, 77, 89-96.	5.2	57
69	Spray-drying synthesized $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ and its electrochemical performance as cathode materials for lithium ion batteries. <i>Powder Technology</i> , 2011, 214, 279-282.	4.2	69
70	A simple and effective method to synthesize layered $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ cathode materials for lithium ion battery. <i>Powder Technology</i> , 2011, 206, 353-357.	4.2	75
71	Preparation of synthetic rutile and metal-doped LiFePO_4 from ilmenite. <i>Powder Technology</i> , 2010, 199, 293-297.	4.2	29
72	Cation-substituted LiFePO_4 prepared from the $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ waste slag as a potential Li battery cathode material. <i>Journal of Alloys and Compounds</i> , 2010, 497, 278-284.	5.5	17

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73	A novel process for producing synthetic rutile and LiFePO ₄ cathode material from ilmenite. Journal of Alloys and Compounds, 2010, 506, 271-278.	5.5	21
74	Synthesis, structural and electrochemical properties of LiNi _{0.79} Co _{0.1} Mn _{0.1} Cr _{0.01} O ₂ via fast co-precipitation. Journal of Alloys and Compounds, 2010, 507, 172-177.	5.5	69
75	Effect of pre-roasting on leaching of laterite. Hydrometallurgy, 2009, 99, 84-88.	4.3	63
76	Stable cycle-life properties of Ti-doped LiFePO ₄ compounds synthesized by co-precipitation and normal temperature reduction method. Journal of Physics and Chemistry of Solids, 2009, 70, 238-242.	4.0	60