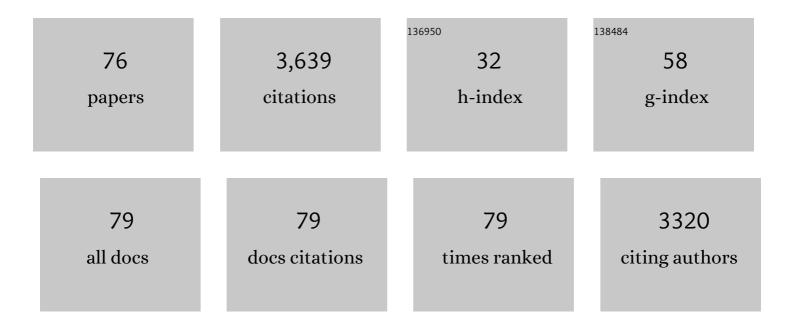
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mitigating the Largeâ€Volume Phase Transition of P2â€Type Cathodes by Synergetic Effect of Multiple Ions for Improved Sodiumâ€Ion Batteries. Advanced Energy Materials, 2022, 12, .	19.5	96
2	A Rational Biphasic Tailoring Strategy Enabling Highâ€Performance Layered Cathodes for Sodiumâ€lon Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	41
3	A Rational Biphasic Tailoring Strategy Enabling Highâ€Performance Layered Cathodes for Sodiumâ€ŀon Batteries. Angewandte Chemie, 2022, 134, .	2.0	13
4	Probing thermally-induced structural evolution during the synthesis of layered Li-, Na-, or K-containing 3d transition-metal oxides. EScience, 2022, 2, 183-191.	41.6	49
5	Reversible Activation of V ⁴⁺ /V ⁵⁺ Redox Couples in NASICON Phosphate Cathodes. Advanced Energy Materials, 2022, 12, .	19.5	65
6	Multiscale investigation of discharge rate dependence of capacity fade for lithium-ion battery. Journal of Power Sources, 2022, 536, 231516.	7.8	16
7	Structural Origin of Suppressed Voltage Decay in Singleâ€Crystalline Liâ€Rich Layered Li[Li _{0.2} Ni _{0.2} Mn _{0.6}]O ₂ Cathodes. Small, 2022, 18, .	10.0	18
8	The structural origin of enhanced stability of Na3.32Fe2.11Ca0.23(P2O7)2 cathode for Na-ion batteries. Nano Energy, 2021, 79, 105417.	16.0	23
9	Phosphoric acid and thermal treatments reveal the peculiar role of surface oxygen anions in lithium and manganese-rich layered oxides. Journal of Materials Chemistry A, 2021, 9, 264-273.	10.3	26
10	Preparation of intergrown P/O-type biphasic layered oxides as high-performance cathodes for sodium ion batteries. Journal of Materials Chemistry A, 2021, 9, 13151-13160.	10.3	26
11	Kinetic Control of Longâ€Range Cationic Ordering in the Synthesis of Layered Niâ€Rich Oxides. Advanced Functional Materials, 2021, 31, 2009949.	14.9	46
12	Architecting Amorphous Vanadium Oxide/MXene Nanohybrid via Tunable Anodic Oxidation for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2100757.	19.5	99
13	Atomic Cobalt Vacancy luster Enabling Optimized Electronic Structure for Efficient Water Splitting. Advanced Functional Materials, 2021, 31, 2101797.	14.9	26
14	Niâ€Rich Oxide Cathodes: Kinetic Control of Longâ€Range Cationic Ordering in the Synthesis of Layered Niâ€Rich Oxides (Adv. Funct. Mater. 19/2021). Advanced Functional Materials, 2021, 31, 2170134.	14.9	1
15	Dielectric Relaxation and Magnetic Structure of A-Site-Ordered Perovskite Oxide Semiconductor CaCu ₃ Fe ₂ Ta ₂ O ₁₂ . Inorganic Chemistry, 2021, 60, 6999-7007.	4.0	10
16	Li ⁺ /Na ⁺ Ion Exchange in Layered Na _{2/3} (Ni _{0.25} Mn _{0.75})O ₂ : A Simple and Fast Way to Synthesize O3/O2-Type Layered Oxides. Chemistry of Materials, 2021, 33, 5606-5617.	6.7	16
17	Comprehensive Investigation of a Slight Overcharge on Degradation and Thermal Runaway Behavior of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 35054-35068.	8.0	50
18	Superior sodium storage of Na ₃ V(PO ₃) ₃ N nanofibers as a high voltage cathode for flexible sodium-ion battery devices. Nanotechnology, 2021, 32, 435404.	2.6	5

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19	Electrochemical release of catalysts in nanoreactors for solid sulfur redox reactions in room-temperature sodium-sulfur batteries. Cell Reports Physical Science, 2021, 2, 100539.	5.6	20
20	New Insight into Desodiation/Sodiation Mechanism of MoS ₂ : Sodium Insertion in Amorphous Mo–S Clusters. ACS Applied Materials & Interfaces, 2021, 13, 40481-40488.	8.0	7
21	Activating Inert Surface Pt Single Atoms via Subsurface Doping for Oxygen Reduction Reaction. Nano Letters, 2021, 21, 7970-7978.	9.1	33
22	Activating a Multielectron Reaction of NASICON-Structured Cathodes toward High Energy Density for Sodium-Ion Batteries. Journal of the American Chemical Society, 2021, 143, 18091-18102.	13.7	96
23	Self-Standing, Collector-Free Maricite NaFePO ₄ /Carbon Nanofiber Cathode Endowed with Increasing Electrochemical Activity. Energy & Fuels, 2021, 35, 18768-18777.	5.1	7
24	New Insights into Lithium Hopping and Ordering in LiNiO ₂ Cathodes during Li (De)intercalation. Chemistry of Materials, 2021, 33, 9546-9559.	6.7	28
25	Development and Investigation of a NASICONâ€Type Highâ€Voltage Cathode Material for Highâ€Power Sodiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 2470-2477.	2.0	26
26	Development and Investigation of a NASICONâ€Type Highâ€Voltage Cathode Material for Highâ€Power Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 2449-2456.	13.8	101
27	Multiregion Janus-Featured Cobalt Phosphide-Cobalt Composite for Highly Reversible Room-Temperature Sodium-Sulfur Batteries. ACS Nano, 2020, 14, 10284-10293.	14.6	81
28	Long-Range and Short-Range Transport Dynamics of Li Ions in LiMn ₂ O ₄ . Journal of Physical Chemistry C, 2020, 124, 25254-25261.	3.1	18
29	Lithium-ion (de)intercalation mechanism in core-shell layered Li(Ni,Co,Mn)O2 cathode materials. Nano Energy, 2020, 78, 105231.	16.0	50
30	SnCN ₂ : A Carbodiimide with an Innovative Approach for Energy Storage Systems and Phosphors in Modern LED Technology. ChemElectroChem, 2020, 7, 4550-4561.	3.4	13
31	Chemical and Structural Evolution during the Synthesis of Layered Li(Ni,Co,Mn)O ₂ Oxides. Chemistry of Materials, 2020, 32, 4984-4997.	6.7	58
32	Structural elucidation of the degradation mechanism of nickel-rich layered cathodes during high-voltage cycling. Chemical Communications, 2020, 56, 4886-4889.	4.1	34
33	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for Highâ€Power Sodiumâ€ion Batteries. Angewandte Chemie, 2020, 132, 12174-12181.	2.0	20
34	In situ synchrotron radiation diffraction study of the Li+ de/intercalation behavior in spinel LiNi0.5Mn1.5O4-δ. Chemical Engineering Journal, 2020, 400, 125998.	12.7	28
35	Interfacial Regulation of Ni-Rich Cathode Materials with an Ion-Conductive and Pillaring Layer by Infusing Gradient Boron for Improved Cycle Stability. ACS Applied Materials & Interfaces, 2020, 12, 10240-10251.	8.0	80
36	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for Highâ€Performance Sodiumâ€Ion Batteries. Angewandte Chemie, 2020, 132, 9385-9390.	2.0	26

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37	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for Highâ€Performance Sodiumâ€lon Batteries. Angewandte Chemie - International Edition, 2020, 59, 9299-9304.	13.8	84
38	Dual Elements Coupling Effect Induced Modification from the Surface into the Bulk Lattice for Ni-Rich Cathodes with Suppressed Capacity and Voltage Decay. ACS Applied Materials & Interfaces, 2020, 12, 8146-8156.	8.0	56
39	Hydrangeaâ€Like CuS with Irreversible Amorphization Transition for Highâ€Performance Sodiumâ€Ion Storage. Advanced Science, 2020, 7, 1903279.	11.2	57
40	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for Highâ€Power Sodiumâ€ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 12076-12083.	13.8	78
41	MnO ₂ and Reduced Graphene Oxide as Bifunctional Electrocatalysts for Li–O ₂ Batteries. ACS Applied Energy Materials, 2019, 2, 7121-7131.	5.1	19
42	General Ï€â€Electronâ€Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Singleâ€Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 11868-11873.	13.8	229
43	General Ï€â€Electronâ€Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Singleâ€Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. Angewandte Chemie, 2019, 131, 11994-11999.	2.0	28
44	NASICON-type air-stable and all-climate cathode for sodium-ion batteries with low cost and high-power density. Nature Communications, 2019, 10, 1480.	12.8	260
45	Structural insights into the formation and voltage degradation of lithium- and manganese-rich layered oxides. Nature Communications, 2019, 10, 5365.	12.8	166
46	(De)Lithiation Mechanism of Hierarchically Layered LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathodes during High-Voltage Cycling. Journal of the Electrochemical Society, 2019, 166, A5025-A5032.	2.9	27
47	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in Highâ€Rate and Longâ€Cycling Sodiumâ€ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 1412-1416.	13.8	92
48	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in Highâ€Rate and Longâ€Cycling Sodiumâ€ion Batteries. Angewandte Chemie, 2019, 131, 1426-143	30. ^{2.0}	21
49	Rational design and synthesis of advanced Na3·32Fe2·34(P2O7)2 cathode with multiple-dimensional N-doped carbon matrix. Journal of Power Sources, 2019, 412, 350-358.	7.8	18
50	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Liâ€Rich Layered Li[Li _{0.2} Ni _{0.2} Mn _{0.6}]O ₂ Oxides. Advanced Energy Materials, 2019, 9, 1803094.	19.5	78
51	A comparative study of crystalline and amorphous Li0.5La0.5TiO3 as surface coating layers to enhance the electrochemical performance of LiNi0.815Co0.15Al0.035O2 cathode. Journal of Alloys and Compounds, 2018, 740, 428-435.	5.5	61
52	Insight into the Multirole of Graphene in Preparation of High Performance Na _{2+2<i>x</i>} Fe _{2–<i>x</i>} (SO ₄) ₃ Cathodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 16105-16112.	6.7	24
53	Design and Synthesis of Layered Na ₂ Ti ₃ O ₇ and Tunnel Na ₂ Ti ₆ O ₁₃ Hybrid Structures with Enhanced Electrochemical Behavior for Sodiumâ€ion Batteries. Advanced Science, 2018, 5, 1800519.	11.2	102
54	A Novel Graphene Oxide Wrapped Na ₂ Fe ₂ (SO ₄) ₃ /C Cathode Composite for Long Life and High Energy Density Sodiumâ€ion Batteries. Advanced Energy Materials, 2018, 8, 1800944.	19.5	101

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55	Unravelling the growth mechanism of hierarchically structured Ni1/3Co1/3Mn1/3(OH)2 and their application as precursors for high-power cathode materials. Electrochimica Acta, 2017, 232, 123-131.	5.2	60
56	K-doped layered LiNi 0.5 Co 0.2 Mn 0.3 O 2 cathode material: Towards the superior rate capability and cycling performance. Journal of Alloys and Compounds, 2017, 699, 358-365.	5.5	79
57	Shape-controlled synthesis of hierarchically layered lithium transition-metal oxide cathode materials by shear exfoliation in continuous stirred-tank reactors. Journal of Materials Chemistry A, 2017, 5, 25391-25400.	10.3	67
58	Enhanced Electrochemical Performance of LiNi _{0.5} Co _{0.2} Mn _{0.3} O _{2Cathode Materials at Elevated Temperature by Zr Doping. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 1056-1061.}	.gt; 4.9	3
59	Facile synthesis of hierarchical porous Ni-rich LiNi0.6Co0.2Mn0.2O2 cathode material with superior high-rate capability. Ionics, 2016, 22, 1781-1790.	2.4	19
60	Understanding Performance Differences from Various Synthesis Methods: A Case Study of Spinel LiCr _{0.2} Ni _{0.4} Mn _{1.4} O ₄ Cathode Material. ACS Applied Materials & Interfaces, 2016, 8, 26051-26057.	8.0	12
61	Designed synthesis of Zr-based ceria–zirconia–neodymia composite with high thermal stability and its enhanced catalytic performance for Rh-only three-way catalyst. Catalysis Science and Technology, 2016, 6, 7437-7448.	4.1	16
62	Host Structural Stabilization of Li1.232Mn0.615Ni0.154O2 through K-Doping Attempt: toward Superior Electrochemical Performances. Electrochimica Acta, 2016, 188, 336-343.	5.2	75
63	Uniform Ni-rich LiNi0.6Co0.2Mn0.2O2 Porous Microspheres: Facile Designed Synthesis and Their Improved Electrochemical Performance. Electrochimica Acta, 2016, 191, 401-410.	5.2	75
64	Preparation and Electrochemical Performance of Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]O ₂ Synthesized Using Li ₂ CO ₃ as Template. Chinese Journal of Chemistry, 2015, 33, 1303-1309.	4.9	7
65	An Approach towards Synthesis of Nanoarchitectured LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathode Material for Lithium Ion Batteries. Chinese Journal of Chemistry, 2015, 33, 261-267.	4.9	27
66	High-performance porous spherical cathode materials based on CaCO3-template synthesis of LiNi1/3Co1/3Mn1/3O2 for lithium-ion batteries. Ionics, 2015, 21, 3151-3158.	2.4	16
67	Heterogeneous intergrowth xLi1.5Ni0.25Mn0.75O2.5·(1 â^' x)Li0.5Ni0.25Mn0.75O2 (0 ≤ ≤) composites synergistic effect on electrochemical performance. Dalton Transactions, 2015, 44, 14255-14264.	3.3	10
68	Effective enhancement of the electrochemical performance of layered cathode Li _{1.5} Mn _{0.75} Ni _{0.25} O _{2.5} via a novel facile molten salt method. RSC Advances, 2015, 5, 58528-58535.	3.6	4
69	A further electrochemical investigation on solutions to high energetical power sources: isomerous compound 0.75Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ ·0.25LiNi _{0.5} Mn _{1 RSC Advances, 2015, 5, 37330-37339.}	1.3.6/sub>	O≺sub>4∢/si
70	Ce–Zr–La/Al2O3 prepared in a continuous stirred-tank reactor: a highly thermostable support for an efficient Rh-based three-way catalyst. Dalton Transactions, 2015, 44, 20484-20492.	3.3	7
71	Vacuum induced self-assembling nanoporous LiMn2O4 for lithium ion batteries with superior high rate capability. Electrochimica Acta, 2015, 186, 253-261.	5.2	16
72	Preparation and Electrochemical Performance of Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]O ₂ Cathode Material for High-Rate Lithium-Ion Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 905-912.	4.9	2

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73	Uncovering a facile large-scale synthesis of LiNi1/3Co1/3Mn1/3O2 nanoflowers for high power lithium-ion batteries. Journal of Power Sources, 2015, 275, 200-206.	7.8	84
74	Na-doped Ni-rich LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode material with both high rate capability and high tap density for lithium ion batteries. Dalton Transactions, 2014, 43, 14824-14832.	3.3	180
75	Synthesis of Nanostructured LiNi _{1/3} Co _{1/3} Mn _{1/3} O _{2by Ammonia-Evaporation-Induced Synthesis and Its Electrochemical Properties as a Cathode Material for a High-Power Li-Ion Battery. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica. 2014. 30. 1481-1486.}	kgt: 4.9	2
76	Facile Combustion Synthesis and Electrochemical Performance of the Cathode Material Li _{1.231} Mn _{0.615} Ni _{0.154} O ₂ . European Journal of Inorganic Chemistry, 2013, 2013, 5436-5442.	2.0	7