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List of Publications by Year
in descending order

34 papers	1,240 citations	331670 21 h-index	377865 34 g-index
34 all docs	34 docs citations	34 times ranked	1525 citing authors

#	Article	IF	Citations
1	Composition and Evolution of the Solid-Electrolyte Interphase in Na₂Ti₃O₇ Electrodes for Na-Ion Batteries: XPS and Auger Parameter Analysis. ACS Applied Materials & Interfaces, 2015, 7, 7801-7808.	8.0	164
2	<i>Operando</i> pH Measurements Decipher H⁺/Zn²⁺ Intercalation Chemistry in High-Performance Aqueous Zn/Î´-V₂O₅ Batteries. ACS Energy Letters, 2020, 5, 2979-2986.	17.4	126
3	Highly Stable Quasiâ€Solidâ€State Lithium Metal Batteries: Reinforced Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃/Li Interface by a Protection Interlayer. Advanced Energy Materials, 2021, 11, 2101339.	19.5	62
4	Toward Safe and Sustainable Batteries: Na₄Fe₃(PO₄)₂P₂O₇ as a Low-Cost Cathode for Rechargeable Aqueous Na-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 133-142.	3.1	58
5	Unraveling the role of Ti in the stability of positive layered oxide electrodes for rechargeable Na-ion batteries. Journal of Materials Chemistry A, 2019, 7, 14169-14179.	10.3	55
6	Polysiloxaneâ€Based Singleâ€Ion Conducting Polymer Blend Electrolyte Comprising Smallâ€Molecule Organic Carbonates for Highâ€Energy and Highâ€Power Lithiumâ€Metal Batteries. Advanced Energy Materials, 2022, 12, .	19.5	53
7	Structure of H₂Ti₃O₇and its evolution during sodium insertion as anode for Na ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 6988-6994.	2.8	46
8	Halide-free water-in-salt electrolytes for stable aqueous sodium-ion batteries. Nano Energy, 2020, 77, 105176.	16.0	46
9	Gelified acetate-based water-in-salt electrolyte stabilizing hexacyanoferrate cathode for aqueous potassium-ion batteries. Energy Storage Materials, 2020, 30, 196-205.	18.0	46
10	Direct observation of electronic conductivity transitions and solid electrolyte interphase stability of Na2Ti3O7 electrodes for Na-ion batteries. Journal of Power Sources, 2016, 330, 78-83.	7.8	42
11	Lithium Phosphonate Functionalized Polymer Coating for Highâ€Energy Li[Ni_{0.8}Co_{0.1}Mn_{0.1}]O₂ with Superior Performance at Ambient and Elevated Temperatures. Advanced Functional Materials, 2021, 31, 2105343.	14.9	42
12	Concentrated Electrolytes Enabling Stable Aqueous Ammoniumâ€Ion Batteries. Advanced Materials, 2022, 34, .	21.0	40
13	Towards environmentally friendly Na-ion batteries: Moisture and water stability of Na2Ti3O7. Journal of Power Sources, 2016, 324, 378-387.	7.8	39
14	Crystal engineering of TMPOx-coated LiNi0.5Mn1.5O4 cathodes for high-performance lithium-ion batteries. Materials Today, 2020, 39, 127-136.	14.2	37
15	Nonfluorinated Ionic Liquid Electrolytes for Lithium Metal Batteries: Ionic Conduction, Electrochemistry, and Interphase Formation. Advanced Energy Materials, 2021, 11, 2003521.	19.5	37
16	Toward Stable Electrode/Electrolyte Interface of P2-Layered Oxide for Rechargeable Na-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 28885-28893.	8.0	35
17	Sodium manganese-rich layered oxides: Potential candidates as positive electrode for Sodium-ion batteries. Energy Storage Materials, 2021, 34, 682-707.	18.0	35
18	Enhanced Li⁺ Transport in Ionic Liquidâ€Based Electrolytes Aided by Fluorinated Ethers for Highly Efficient Lithium Metal Batteries with Improved Rate Capability. Small Methods, 2021, 5, e2100168.	8.6	34

#	Article	IF	Citations
19	Identification of the critical synthesis parameters for enhanced cycling stability of Na-ion anode material Na2Ti3O7. Acta Materialia, 2016, 104, 125-130.	7.9	27
20	Structure, Composition, Transport Properties, and Electrochemical Performance of the Electrodeâ€Electrolyte Interphase in Nonâ€Aqueous Naâ€ion Batteries. Advanced Materials Interfaces, 2022, 9, .	3.7	27
21	Na₄Co₃(PO₄)₂P₂O₇ through Correlative <i>Operando</i> X-ray Diffraction and Electrochemical Impedance Spectroscopy. Chemistry of Materials, 2019, 31, 5152-5159.	6.7	24
22	Assessing the Reactivity of Hard Carbon Anodes: Linking Material Properties with Electrochemical Response Upon Sodiumâ€and Lithiumâ€ion Storage. Batteries and Supercaps, 2021, 4, 960-977.	4.7	23
23	Zincâ€ion Hybrid Supercapacitors Employing Acetateâ€Based Waterâ€inâ€Salt Electrolytes. Small, 2022, 18, .	10.0	22
24	Investigation of NaTiOPO₄ as Anode for Sodium-Ion Batteries: A Solid Electrolyte Interphase Free Material?. ACS Applied Energy Materials, 2019, 2, 1923-1931.	5.1	18
25	Influence of Using Metallic Na on the Interfacial and Transport Properties of Na-Ion Batteries. Batteries, 2017, 3, 16.	4.5	17
26	Improved Sodiation Additive and Its Nuances in the Performance Enhancement of Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 11814-11821.	8.0	15
27	Understanding the electrode â€" electrolyte interphase of high voltage positive electrode Na4Co3(PO4)2P2O7 for rechargeable sodium-ion batteries. Electrochimica Acta, 2021, 372, 137846.	5.2	14
28	Cathodeâ€"Electrolyte Interphase in a LiTFSI/Tetraglyme Electrolyte Promoting the Cyclability of V2O5. ACS Applied Materials & Interfaces, 2020, 12, 54782-54790.	8.0	12
29	Role of the voltage window on the capacity retention of P2-Na2/3[Fe1/2Mn1/2]O2 cathode material for rechargeable sodium-ion batteries. Communications Chemistry, 2022, 5, .	4.5	12
30	Graphene as Vehicle for Ultrafast Lithium Ion Capacitor Development Based on Recycled Olive Pit Derived Carbons. Journal of the Electrochemical Society, 2019, 166, A2840-A2848.	2.9	11
31	Stabilizing the Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃ |Li Interface for High Efficiency and Long Lifespan Quasiâ€Solidâ€State Lithium Metal Batteries. ChemSusChem, 2022, 15, .	6.8	11
32	Investigation of a Fluorine-Free Phosphonium-Based Ionic Liquid Electrolyte and Its Compatibility with Lithium Metal. ACS Applied Materials & Interfaces, 2022, 14, 20888-20895.	8.0	4
33	Influence of the Current Density on the Interfacial Reactivity of Layered Oxide Cathodes for Sodiumâ€ion Batteries. Energy Technology, 2022, 10, .	3.8	3
34	Enhancing the Interfacial Stability of Highâ€Energy Si/Graphite||LiNi_{0.88}Co_{0.09}Mn_{0.03}O₂ Batteries Employing a Dualâ€Anion Ionic Liquidâ€based Electrolyte. Batteries and Supercaps, 2022, 5, .	4.7	3