# Maider Zarrabeitia

List of Publications by Year
in descending order

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|---|---|---|---|
| 34 papers | 1,240 citations | 331538 21 h-index | 377752 34 g-index |
| 34 all docs | 34 docs citations | 34 times ranked | 1525 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structure, Composition, Transport Properties, and Electrochemical Performance of the Electrodeâ€Electrolyte Interphase in Nonâ€Aqueous Naâ€Ion Batteries. Advanced Materials Interfaces, 2022, 9, . | 1.9 | 27 |
| 2 | 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, . | 2.0 | 12 |
| 3 | Stabilizing the Li<sub>1.3</sub>Al<sub>0.3</sub>Ti<sub>1.7</sub>(PO<sub>4</sub>)<sub>3</sub>\|Li Interface for High Efficiency and Long Lifespan Quasiâ€Solidâ€State Lithium Metal Batteries. ChemSusChem, 2022, 15, . | 3.6 | 11 |
| 4 | 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, . | 10.2 | 53 |
| 5 | Influence of the Current Density on the Interfacial Reactivity of Layered Oxide Cathodes for Sodiumâ€Ion Batteries. Energy Technology, 2022, 10, . | 1.8 | 3 |
| 6 | Investigation of a Fluorine-Free Phosphonium-Based Ionic Liquid Electrolyte and Its Compatibility with Lithium Metal. ACS Applied Materials & Interfaces, 2022, 14, 20888-20895. | 4.0 | 4 |
| 7 | Concentrated Electrolytes Enabling Stable Aqueous Ammoniumâ€Ion Batteries. Advanced Materials, 2022, 34, . | 11.1 | 40 |
| 8 | Enhancing the Interfacial Stability of Highâ€Energy Si/Graphite\|\|LiNi<sub>0.88</sub>Co<sub>0.09</sub>Mn<sub>0.03</sub>O<sub>2</sub> Batteries Employing a Dualâ€Anion Ionic Liquidâ€based Electrolyte. Batteries and Supercaps, 2022, 5, . | 2.4 | 3 |
| 9 | Zincâ€Ion Hybrid Supercapacitors Employing Acetateâ€Based Waterâ€inâ€Salt Electrolytes. Small, 2022, 18, . | 5.2 | 22 |
| 10 | Sodium manganese-rich layered oxides: Potential candidates as positive electrode for Sodium-ion batteries. Energy Storage Materials, 2021, 34, 682-707. | 9.5 | 35 |
| 11 | Nonfluorinated Ionic Liquid Electrolytes for Lithium Metal Batteries: Ionic Conduction, Electrochemistry, and Interphase Formation. Advanced Energy Materials, 2021, 11, 2003521. | 10.2 | 37 |
| 12 | Improved Sodiation Additive and Its Nuances in the Performance Enhancement of Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 11814-11821. | 4.0 | 15 |
| 13 | Understanding the electrode â€“ electrolyte interphase of high voltage positive electrode Na4Co3(PO4)2P2O7 for rechargeable sodium-ion batteries. Electrochimica Acta, 2021, 372, 137846. | 2.6 | 14 |
| 14 | 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. | 2.4 | 23 |
| 15 | Highly Stable Quasiâ€Solidâ€State Lithium Metal Batteries: Reinforced Li<sub>1.3</sub>Al<sub>0.3</sub>Ti<sub>1.7</sub>(PO<sub>4</sub>)<sub>3</sub>/Li Interface by a Protection Interlayer. Advanced Energy Materials, 2021, 11, 2101339. | 10.2 | 62 |
| 16 | Enhanced Li<sup>+</sup> 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. | 4.6 | 34 |
| 17 | Lithium Phosphonate Functionalized Polymer Coating for Highâ€Energy Li[Ni<sub>0.8</sub>Co<sub>0.1</sub>Mn<sub>0.1</sub>]O<sub>2</sub> with Superior Performance at Ambient and Elevated Temperatures. Advanced Functional Materials, 2021, 31, 2105343. | 7.8 | 42 |
| 18 | Cathodeâ€“Electrolyte Interphase in a LiTFSI/Tetraglyme Electrolyte Promoting the Cyclability of V2O5. ACS Applied Materials & Interfaces, 2020, 12, 54782-54790. | 4.0 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Halide-free water-in-salt electrolytes for stable aqueous sodium-ion batteries. Nano Energy, 2020, 77, 105176. | 8.2 | 46 |
| 20 | Operando pH Measurements Decipher H<sup>+</sup>/Zn<sup>2+</sup> Intercalation Chemistry in High-Performance Aqueous Zn/Î´-V<sub>2</sub>O<sub>5</sub> Batteries. ACS Energy Letters, 2020, 5, 2979-2986. | 8.8 | 126 |
| 21 | Gelified acetate-based water-in-salt electrolyte stabilizing hexacyanoferrate cathode for aqueous potassium-ion batteries. Energy Storage Materials, 2020, 30, 196-205. | 9.5 | 46 |
| 22 | Crystal engineering of TMPOx-coated LiNi0.5Mn1.5O4 cathodes for high-performance lithium-ion batteries. Materials Today, 2020, 39, 127-136. | 8.3 | 37 |
| 23 | Toward Stable Electrode/Electrolyte Interface of P2-Layered Oxide for Rechargeable Na-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 28885-28893. | 4.0 | 35 |
| 24 | 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. | 1.3 | 11 |
| 25 | Investigation of NaTiOPO<sub>4</sub> as Anode for Sodium-Ion Batteries: A Solid Electrolyte Interphase Free Material?. ACS Applied Energy Materials, 2019, 2, 1923-1931. | 2.5 | 18 |
| 26 | Na<sub>4</sub>Co<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>P<sub>2</sub>O<sub>7</sub> through Correlative Operando X-ray Diffraction and Electrochemical Impedance Spectroscopy. Chemistry of Materials, 2019, 31, 5152-5159. | 3.2 | 24 |
| 27 | 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. | 5.2 | 55 |
| 28 | Toward Safe and Sustainable Batteries: Na<sub>4</sub>Fe<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>P<sub>2</sub>O<sub>7</sub> as a Low-Cost Cathode for Rechargeable Aqueous Na-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 133-142. | 1.5 | 58 |
| 29 | Influence of Using Metallic Na on the Interfacial and Transport Properties of Na-Ion Batteries. Batteries, 2017, 3, 16. | 2.1 | 17 |
| 30 | 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. | 4.0 | 42 |
| 31 | Towards environmentally friendly Na-ion batteries: Moisture and water stability of Na2Ti3O7. Journal of Power Sources, 2016, 324, 378-387. | 4.0 | 39 |
| 32 | Identification of the critical synthesis parameters for enhanced cycling stability of Na-ion anode material Na2Ti3O7. Acta Materialia, 2016, 104, 125-130. | 3.8 | 27 |
| 33 | Structure of H<sub>2</sub>Ti<sub>3</sub>O<sub>7</sub>and its evolution during sodium insertion as anode for Na ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 6988-6994. | 1.3 | 46 |
| 34 | Composition and Evolution of the Solid-Electrolyte Interphase in Na<sub>2</sub>Ti<sub>3</sub>O<sub>7</sub> Electrodes for Na-Ion Batteries: XPS and Auger Parameter Analysis. ACS Applied Materials & Interfaces, 2015, 7, 7801-7808. | 4.0 | 164 |