List of Publications by Year in descending order

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Διβέρτο Μάργι

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Emergence of Aqueous Ammoniumâ€lon Batteries. Angewandte Chemie, 2022, 134, . | 2.0 | 16 |
| 2 | The Emergence of Aqueous Ammoniumâ€ i on Batteries. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 65 |
| 3 | 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 |
| 4 | Concentrated Electrolytes Enabling Stable Aqueous Ammoniumâ€lon Batteries. Advanced Materials, 2022, 34, . | 21.0 | 40 |
| 5 | Zincâ€lon Hybrid Supercapacitors Employing Acetateâ€Based Waterâ€inâ€Salt Electrolytes. Small, 2022, 18, . | 10.0 | 22 |
| 6 | Green and low-cost acetate-based electrolytes for the highly reversible zinc anode. Journal of Power Sources, 2021, 485, 229329. | 7.8 | 37 |
| 7 | Nonfluorinated Ionic Liquid Electrolytes for Lithium Metal Batteries: Ionic Conduction, Electrochemistry, and Interphase Formation. Advanced Energy Materials, 2021, 11, 2003521. | 19.5 | 37 |
| 8 | Tragacanth Gum as Green Binder for Sustainable Waterâ€Processable Electrochemical Capacitor. ChemSusChem, 2021, 14, 356-362. | 6.8 | 18 |
| 9 | Embedding Heterostructured αâ€MnS/MnO Nanoparticles in Sâ€Doped Carbonaceous Porous Framework as Highâ€Performance Anode for Lithiumâ€Ion Batteries. ChemElectroChem, 2021, 8, 918-927. | 3.4 | 21 |
| 10 | Reversible Copper Sulfide Conversion in Nonflammable Trimethyl Phosphate Electrolytes for Safe Sodiumâ€lon Batteries. Small Structures, 2021, 2, 2100035. | 12.0 | 30 |
| 11 | Unveiling the Intricate Intercalation Mechanism in Manganese Sesquioxide as Positive Electrode in Aqueous Znâ€Metal Battery. Advanced Energy Materials, 2021, 11, 2100962. | 19.5 | 39 |
| 12 | Liquidâ€Assisted Mechanochemical Synthesis of Lilâ€Doped Sulfide Glass Electrolyte. Energy Technology, 2021, 9, 2100385. | 3.8 | 2 |
| 13 | A Thin and Uniform Fluoride-Based Artificial Interphase for the Zinc Metal Anode Enabling Reversible Zn/MnO ₂ Batteries. ACS Energy Letters, 2021, 6, 3063-3071. | 17.4 | 134 |
| 14 | Unveiling the Intricate Intercalation Mechanism in Manganese Sesquioxide as Positive Electrode in Aqueous Znâ€Metal Battery (Adv. Energy Mater. 35/2021). Advanced Energy Materials, 2021, 11, 2170136. | 19.5 | 0 |
| 15 | Redoxâ€Mediated Redâ€Phosphorous Semiâ€Liquid Anode Enabling Metalâ€Free Rechargeable Naâ€Seawater Batteries with High Energy Density. Advanced Energy Materials, 2021, 11, 2102061. | 19.5 | 13 |
| 16 | On the nanoscopic structural heterogeneity of liquid <i>n</i> -alkyl carboxylic acids. Physical Chemistry Chemical Physics, 2021, 23, 20282-20287. | 2.8 | 6 |
| 17 | Highly Reversible Sodiation of Tin in Glyme Electrolytes: The Critical Role of the Solid Electrolyte Interphase and Its Formation Mechanism. ACS Applied Materials & Interfaces, 2020, 12, 3697-3708. | 8.0 | 37 |
| 18 | Caseinâ€Derived Activated Carbon: Turning Expired Milk into Active Material for Electrochemical Capacitors. Energy Technology, 2020, 8, 1901225. | 3.8 | 2 |

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|----|--|-------------------|--------------|
| 19 | Natural Polymers as Green Binders for High‣oading Supercapacitor Electrodes. ChemSusChem, 2020, 13, 763-770. | 6.8 | 37 |
| 20 | Current status and future perspectives of lithium metal batteries. Journal of Power Sources, 2020, 480, 228803. | 7.8 | 109 |
| 21 | Flexible and high temperature supercapacitor based on laser-induced graphene electrodes and ionic liquid electrolyte, a de-rated voltage analysis. Electrochimica Acta, 2020, 357, 136838. | 5.2 | 54 |
| 22 | Revisiting the energy efficiency and (potential) full-cell performance of lithium-ion batteries employing conversion/alloying-type negative electrodes. Journal of Power Sources, 2020, 473, 228583. | 7.8 | 23 |
| 23 | Halide-free water-in-salt electrolytes for stable aqueous sodium-ion batteries. Nano Energy, 2020, 77, 105176. | 16.0 | 46 |
| 24 | Metal–Organic Framework Derived Fe ₇ S ₈ Nanoparticles Embedded in Heteroatomâ€Đoped Carbon with Lithium and Sodium Storage Capability. Small Methods, 2020, 4, 2000637. | 8.6 | 46 |
| 25 | Determining Realistic Electrochemical Stability Windows of Electrolytes for Electrical Double‣ayer Capacitors. Batteries and Supercaps, 2020, 3, 698-707. | 4.7 | 33 |
| 26 | Artificial Solid Electrolyte Interphases for Lithium Metal Electrodes by Wet Processing: The Role of Metal Salt Concentration and Solvent Choice. ACS Applied Materials & Interfaces, 2020, 12, 32851-32862. | 8.0 | 38 |
| 27 | High loading CuS-based cathodes for all-solid-state lithium sulfur batteries with enhanced volumetric capacity. Energy Storage Materials, 2020, 27, 61-68. | 18.0 | 64 |
| 28 | 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 |
| 29 | Ultra-thick battery electrodes for high gravimetric and volumetric energy density Li-ion batteries. Journal of Power Sources, 2019, 437, 226923. | 7.8 | 57 |
| 30 | Revisiting the Electrochemical Lithiation Mechanism of Aluminum and the Role of Liâ€rich Phases (Li 1+ x) Tj ETQo | q0.0,0 rgB 6.8 | BT /Overlock |
| 31 | Superior Lithium Storage Capacity of αâ€MnS Nanoparticles Embedded in Sâ€Doped Carbonaceous Mesoporous Frameworks. Advanced Energy Materials, 2019, 9, 1902077. | 19.5 | 108 |
| 32 | High-Power Na-Ion and K-Ion Hybrid Capacitors Exploiting Cointercalation in Graphite Negative Electrodes. ACS Energy Letters, 2019, 4, 2675-2682. | 17.4 | 88 |
| 33 | Calcium vanadate sub-microfibers as highly reversible host cathode material for aqueous zinc-ion batteries. Chemical Communications, 2019, 55, 2265-2268. | 4.1 | 111 |
| 34 | Modular development of metal oxide/carbon composites for electrochemical energy conversion and storage. Journal of Materials Chemistry A, 2019, 7, 13096-13102. | 10.3 | 22 |
| 35 | Revisiting the Electrochemical Lithiation Mechanism of Aluminum and the Role of Liâ€rich Phases (Li _{1+<i>x</i>} Al) on Capacity Fading. ChemSusChem, 2019, 12, 2609-2619. | 6.8 | 39 |
| 36 | A comprehensive insight into the volumetric response of graphite electrodes upon sodium co-intercalation in ether-based electrolytes. Electrochimica Acta, 2019, 304, 474-486. | 5.2 | 25 |

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|----|--|-------------|-----------|
| 37 | Lithium Batteries: Single-Ion Conducting Electrolyte Based on Electrospun Nanofibers for High-Performance Lithium Batteries (Adv. Energy Mater. 10/2019). Advanced Energy Materials, 2019, 9, 1970029. | 19.5 | 2 |
| 38 | Singleâ€Ion Conducting Electrolyte Based on Electrospun Nanofibers for Highâ€Performance Lithium Batteries. Advanced Energy Materials, 2019, 9, 1803422. | 19.5 | 109 |
| 39 | Amorphous Lithium Sulfide as Lithiumâ€Sulfur Battery Cathode with Low Activation Barrier. Energy Technology, 2019, 7, 1801013. | 3.8 | 17 |
| 40 | Electrolytes based on Nâ€Butylâ€Nâ€Methylâ€Pyrrolidinium 4,5â€Dicyanoâ€2â€(Trifluoromethyl) Imidazole for Voltage Electrochemical Double Layer Capacitors. ChemElectroChem, 2019, 6, 552-557. | High 3.4 | 9 |
| 41 | Exploring SnS nanoparticles interpenetrated with high concentration nitrogen-doped-carbon as anodes for sodium ion batteries. Electrochimica Acta, 2019, 296, 806-813. | 5.2 | 27 |
| 42 | Enabling Reversible (De)Lithiation of Aluminum by using Bis(fluorosulfonyl)imideâ€Based Electrolytes. ChemSusChem, 2019, 12, 208-212. | 6.8 | 19 |
| 43 | High energy and high voltage integrated photo-electrochemical double layer capacitor. Sustainable Energy and Fuels, 2018, 2, 968-977. | 4.9 | 23 |
| 44 | Na3Si2Y0.16Zr1.84PO12-ionic liquid hybrid electrolytes: An approach for realizing solid-state sodium-ion batteries?. Journal of Power Sources, 2018, 383, 157-163. | 7.8 | 23 |
| 45 | 3D Porous Cu–Zn Alloys as Alternative Anode Materials for Liâ€ l on Batteries with Superior Low <i>T</i> Performance. Advanced Energy Materials, 2018, 8, 1701706. | 19.5 | 85 |
| 46 | Comparative study of imide-based Li salts as electrolyte additives for Li-ion batteries. Journal of Power Sources, 2018, 375, 43-52. | 7.8 | 154 |
| 47 | Alternative binders for sustainable electrochemical energy storage – the transition to aqueous electrode processing and bio-derived polymers. Energy and Environmental Science, 2018, 11, 3096-3127. | 30.8 | 379 |
| 48 | Portable High Voltage Integrated Harvesting-Storage Device Employing Dye-Sensitized Solar Module and All-Solid-State Electrochemical Double Layer Capacitor. Frontiers in Chemistry, 2018, 6, 443. | 3.6 | 20 |
| 49 | Fluorineâ€Free Waterâ€inâ€Salt Electrolyte for Green and Low ost Aqueous Sodiumâ€ion Batteries. ChemSusChem, 2018, 11, 3704-3707. | 6.8 | 90 |
| 50 | Highly porous single-ion conductive composite polymer electrolyte for high performance Li-ion batteries. Journal of Power Sources, 2018, 397, 79-86. | 7.8 | 37 |
| 51 | Cobalt Disulfide Nanoparticles Embedded in Porous Carbonaceous Micro-Polyhedrons Interlinked by Carbon Nanotubes for Superior Lithium and Sodium Storage. ACS Nano, 2018, 12, 7220-7231. | 14.6 | 234 |
| 52 | High Capacity All olid‧tate Lithium Batteries Enabled by Pyrite‧ulfur Composites. Advanced Energy Materials, 2018, 8, 1801462. | 19.5 | 89 |
| 53 | Hybrid electrolytes for lithium metal batteries. Journal of Power Sources, 2018, 392, 206-225. | 7.8 | 179 |
| 54 | Radical Decomposition of Ether-Based Electrolytes for Li-S Batteries . Journal of the Electrochemical Society, 2017, 164, A1812-A1819. | 2.9 | 23 |

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|----|--|------------|-----------|
| 55 | Modeling nucleation and growth of zinc oxide during discharge of primary zinc-air batteries. Journal of Power Sources, 2017, 360, 136-149. | 7.8 | 80 |
| 56 | Critical Insight into the Relentless Progression Toward Graphene and Grapheneâ€Containing Materials for Lithiumâ€Ion Battery Anodes. Advanced Materials, 2017, 29, 1603421. | 21.0 | 132 |
| 57 | Ultrafast Ionic Liquid-Assisted Microwave Synthesis of SnO Microflowers and Their Superior Sodium-Ion Storage Performance. ACS Applied Materials & Interfaces, 2017, 9, 26797-26804. | 8.0 | 29 |
| 58 | ZnO/ZnFe2O4/N-doped C micro-polyhedrons with hierarchical hollow structure as high-performance anodes for lithium-ion batteries. Nano Energy, 2017, 42, 341-352. | 16.0 | 103 |
| 59 | Challenges and prospects of the role of solid electrolytes in the revitalization of lithium metal batteries. Journal of Materials Chemistry A, 2016, 4, 17251-17259. | 10.3 | 293 |
| 60 | Graphene derived carbon confined sulfur cathodes for lithium-sulfur batteries: Electrochemical impedance studies. Electrochimica Acta, 2016, 214, 129-138. | 5.2 | 43 |
| 61 | Probing the characteristics of casein as green binder for non-aqueous electrochemical double layer capacitors' electrodes. Journal of Power Sources, 2016, 326, 672-679. | 7.8 | 24 |
| 62 | Enabling high areal capacitance in electrochemical double layer capacitors by means of the environmentally friendly starch binder. Journal of Power Sources, 2015, 300, 216-222. | 7.8 | 26 |
| 63 | The role of graphene for electrochemical energy storage. Nature Materials, 2015, 14, 271-279. | 27.5 | 2,237 |
| 64 | Performance and kinetics of LiFePO4–carbon bi-material electrodes for hybrid devices: A comparative study between activated carbon and multi-walled carbon nanotubes. Journal of Power Sources, 2015, 273, 1016-1022. | 7.8 | 36 |
| 65 | Lithiumâ€lon Batteries: ZnFe ₂ O ₄ â€C/LiFePO ₄ â€ENT: A Novel Highâ€Powe Lithiumâ€lon Battery with Excellent Cycling Performance (Adv. Energy Mater. 10/2014). Advanced Energy Materials, 2014, 4, . | er 19.5 | 5 |
| 66 | ZnFe ₂ O ₄ â€C/LiFePO ₄ â€CNT: A Novel Highâ€Power Lithiumâ€ion Battery with Excellent Cycling Performance. Advanced Energy Materials, 2014, 4, 1-9. | 19.5 | 287 |
| 67 | Natural Cellulose: A Green Alternative Binder for High Voltage Electrochemical Double Layer Capacitors Containing Ionic Liquid-Based Electrolytes. Journal of the Electrochemical Society, 2014, 161, A368-A375. | 2.9 | 63 |
| 68 | The effects of pristine and carboxylated multi-walled carbon nanotubes as conductive additives on the performance of LiNi0.33Co0.33Mn0.33O2 and LiFePO4 positive electrodes. Electrochimica Acta, 2012, 78, 17-26. | 5.2 | 36 |
| 69 | Study of multi-walled carbon nanotubes for lithium-ion battery electrodes. Journal of Power Sources, 2011, 196, 3303-3309. | 7.8 | 86 |
| 70 | Supported PtRu on mesoporous carbons for direct methanol fuel cells. Journal of Power Sources, 2008, 185, 615-620. | 7.8 | 34 |
| 71 | Study of Carbon Nanotubes for Lithium-Ion Batteries Application. Advances in Science and Technology, 0, , . | 0.2 | 0 |