# Alexandre Magasinski

List of Publications by Year
in descending order



| 34 | 3,354 | 236925 25 | 395702 33 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 5047 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-Temperature Oxidation of Single Carbon Nanoparticles: Dependence on the Surface Structure and Probing Real-Time Structural Evolution via Kinetics. Journal of the American Chemical Society, 2022, 144, 4897-4912. | 13.7 | 5 |
| 2 | Stability of FeF<sub>3</sub>-Based Sodium-Ion Batteries in Nonflammable Ionic Liquid Electrolytes at Room and Elevated Temperatures. ACS Applied Materials & Interfaces, 2022, 14, 33447-33456. | 8.0 | 5 |
| 3 | Electrolyte melt infiltration for scalable manufacturing of inorganic all-solid-state lithium-ion batteries. Nature Materials, 2021, 20, 984-990. | 27.5 | 105 |
| 4 | Materials and technologies for multifunctional, flexible or integrated supercapacitors and batteries. Materials Today, 2021, 48, 176-197. | 14.2 | 66 |
| 5 | Iron Phosphide Confined in Carbon Nanofibers as a Free-Standing Flexible Anode for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 34074-34083. | 8.0 | 24 |
| 6 | A Naphthalene Diimide Covalent Organic Framework: Comparison of Cathode Performance in Lithium-Ion Batteries with Amorphous Cross-linked and Linear Analogues, and Its Use in Aqueous Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 350-356. | 5.1 | 20 |
| 7 | Anatase TiO<sub>2</sub> Confined in Carbon Nanopores for Highâ€Energy Liâ€Ion Hybrid Supercapacitors Operating at High Rates and Subzero Temperatures. Advanced Energy Materials, 2020, 10, 1902993. | 19.5 | 39 |
| 8 | A nanoconfined iron(<scp>iii</scp>) fluoride cathode in a NaDFOB electrolyte: towards high-performance sodium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 4091-4098. | 10.3 | 28 |
| 9 | Cycle stability of conversion-type iron fluoride lithium battery cathode at elevated temperatures in polymer electrolyte composites. Nature Materials, 2019, 18, 1343-1349. | 27.5 | 127 |
| 10 | Insights into the Effects of Electrolyte Composition on the Performance and Stability of FeF<sub>2</sub> Conversionâ€Type Cathodes. Advanced Energy Materials, 2019, 9, 1803323. | 19.5 | 56 |
| 11 | Fading Mechanisms and Voltage Hysteresis in FeF<sub>2</sub>â€“NiF<sub>2</sub> Solid Solution Cathodes for Lithium and Lithiumâ€Ion Batteries. Small, 2019, 15, e1804670. | 10.0 | 62 |
| 12 | Hierarchical Fabric Decorated with Carbon Nanowire/Metal Oxide Nanocomposites for 1.6 V Wearable Aqueous Supercapacitors. Advanced Energy Materials, 2018, 8, 1703454. | 19.5 | 135 |
| 13 | Lithium Titanate Confined in Nanoporous Copper for High-Rate Battery Applications. MRS Advances, 2018, 3, 1249-1253. | 0.9 | 1 |
| 14 | Iron Phosphate Coated Flexible Carbon Nanotube Fabric as a Multifunctional Cathode for Naâ€Ion Batteries. Small, 2018, 14, e1703425. | 10.0 | 33 |
| 15 | Mixed Metal Difluorides as High Capacity Conversionâ€Type Cathodes: Impact of Composition on Stability and Performance. Advanced Energy Materials, 2018, 8, 1800213. | 19.5 | 29 |
| 16 | Ion Conductivities: Protons Enhance Conductivities in Lithium Halide Hydroxide/Lithium Oxyhalide Solid Electrolytes by Forming Rotating Hydroxy Groups (Adv. Energy Mater. 3/2018). Advanced Energy Materials, 2018, 8, 1870014. | 19.5 | 2 |
| 17 | Protons Enhance Conductivities in Lithium Halide Hydroxide/Lithium Oxyhalide Solid Electrolytes by Forming Rotating Hydroxy Groups. Advanced Energy Materials, 2018, 8, 1700971. | 19.5 | 65 |
| 18 | Iron Fluorideâ€“Carbon Nanocomposite Nanofibers as Freeâ€Standing Cathodes for Highâ€Energy Lithium Batteries. Advanced Functional Materials, 2018, 28, 1801711. | 14.9 | 97 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lithiumâ€“Iron (III) Fluoride Battery with Double Surface Protection. Advanced Energy Materials, 2018, 8, 1800721. | 19.5 | 67 |
| 20 | Transformation of bulk alloys to oxide nanowires. Science, 2017, 355, 267-271. | 12.6 | 76 |
| 21 | Enhancing Cycle Stability of Lithium Iron Phosphate in Aqueous Electrolytes by Increasing Electrolyte Molarity. Advanced Energy Materials, 2016, 6, 1501805. | 19.5 | 37 |
| 22 | Conversion Cathodes: Lithiumâ€“Iron Fluoride Battery with In Situ Surface Protection (Adv. Funct.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 14.9 | 1 |
| 23 | Degradation and stabilization of lithium cobalt oxide in aqueous electrolytes. Energy and Environmental Science, 2016, 9, 1841-1848. | 30.8 | 80 |
| 24 | Lithiumâ€“Iron Fluoride Battery with In Situ Surface Protection. Advanced Functional Materials, 2016, 26, 1507-1516. | 14.9 | 73 |
| 25 | In Situ TEM Observation of Electrochemical Lithiation of Sulfur Confined within Inner Cylindrical Pores of Carbon Nanotubes. Advanced Energy Materials, 2015, 5, 1501306. | 19.5 | 93 |
| 26 | Carbon Nanotubeâ€“CoF<sub>2</sub> Multifunctional Cathode for Lithium Ion Batteries: Effect of Electrolyte on Cycle Stability. Small, 2015, 11, 5164-5173. | 10.0 | 80 |
| 27 | Nanostructured composites for high energy batteries and supercapacitors. , 2015, , . | | 2 |
| 28 | Harnessing Steric Separation of Freshly Nucleated Li<sub>2</sub>S Nanoparticles for Bottomâ€Up Assembly of Highâ€Performance Cathodes for Lithiumâ€Sulfur and Lithiumâ€Ion Batteries. Advanced Energy Materials, 2014, 4, 1400196. | 19.5 | 135 |
| 29 | Solutionâ€Based Processing of Grapheneâ€“Li<sub>2</sub>S Composite Cathodes for Lithiumâ€Ion and Lithiumâ€“Sulfur Batteries. Particle and Particle Systems Characterization, 2014, 31, 639-644. | 2.3 | 99 |
| 30 | Nanoporous Li<sub>2</sub>S and MWCNT-linked Li<sub>2</sub>S powder cathodes for lithium-sulfur and lithium-ion battery chemistries. Journal of Materials Chemistry A, 2014, 2, 6064-6070. | 10.3 | 128 |
| 31 | Sulfur-containing activated carbons with greatly reduced content of bottle neck pores for double-layer capacitors: a case study for pseudocapacitance detection. Energy and Environmental Science, 2013, 6, 2465. | 30.8 | 309 |
| 32 | Plasmaâ€Enhanced Atomic Layer Deposition of Ultrathin Oxide Coatings for Stabilized Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2013, 3, 1308-1315. | 19.5 | 133 |
| 33 | Nanosiliconâ€Coated Graphene Granules as Anodes for Liâ€Ion Batteries. Advanced Energy Materials, 2011, 1, 495-498. | 19.5 | 241 |
| 34 | Toward Efficient Binders for Li-Ion Battery Si-Based Anodes: Polyacrylic Acid. ACS Applied Materials & Interfaces, 2010, 2, 3004-3010. | 8.0 | 901 |