## Kristin A Persson

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8375916/publications.pdf

Version: 2024-02-01

213 papers 33,347 citations

76 h-index <sup>3915</sup>
177
g-index

220 all docs 220 docs citations

times ranked

220

26949 citing authors

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Commentary: The Materials Project: A materials genome approach to accelerating materials innovation. APL Materials, $2013,1,1$  | 5.1  | 6,913     |
| 2  | Python Materials Genomics (pymatgen): A robust, open-source python library for materials analysis. Computational Materials Science, 2013, 68, 314-319.  | 3.0  | 2,392     |
| 3  | Odyssey of Multivalent Cathode Materials: Open Questions and Future Challenges. Chemical Reviews, 2017, 117, 4287-4341.  Formation enthalpies by mixing GGA and GGA <mml:math< td=""><td>47.7</td><td>914</td></mml:math<>  | 47.7 | 914       |
| 4  | xmlns:mml="http://www.w3.org/1998/Math/MathML"<br>display="inline"> <mml:mrow><mml:mo>+</mml:mo></mml:mrow> <mml:math<br>xmlns:mml="http://www.w3.org/1998/Math/MathML"<br/>display="inline"&gt;<mml:mrow><mml:mi>U</mml:mi></mml:mrow>calculations. Physical</mml:math<br> | 3.2  | 853       |
| 5  | Review B, 2011, 84, . A high-throughput infrastructure for density functional theory calculations. Computational Materials Science, 2011, 50, 2295-2310.  | 3.0  | 787       |
| 6  | Promises and Challenges of Next-Generation "Beyond Li-ion―Batteries for Electric Vehicles and Grid Decarbonization. Chemical Reviews, 2021, 121, 1623-1669.   | 47.7 | 769       |
| 7  | Charting the complete elastic properties of inorganic crystalline compounds. Scientific Data, 2015, 2, 150009.  | 5.3  | 642       |
| 8  | Unsupervised word embeddings capture latent knowledge from materials science literature. Nature, 2019, 571, 95-98.  | 27.8 | 590       |
| 9  | Surface energies of elemental crystals. Scientific Data, 2016, 3, 160080.   | 5.3  | 583       |
| 10 | The thermodynamic scale of inorganic crystalline metastability. Science Advances, 2016, 2, e1600225.  | 10.3 | 565       |
| 11 | Computational predictions of energy materials using density functional theory. Nature Reviews Materials, $2016,1,.$   | 48.7 | 536       |
| 12 | Accelerating the discovery of materials for clean energy in the era of smart automation. Nature Reviews Materials, 2018, 3, 5-20.   | 48.7 | 489       |
| 13 | Matminer: An open source toolkit for materials data mining. Computational Materials Science, 2018, 152, 60-69.  | 3.0  | 446       |
| 14 | Materials Design Rules for Multivalent Ion Mobility in Intercalation Structures. Chemistry of Materials, 2015, 27, 6016-6021.   | 6.7  | 445       |
| 15 | The origin of high electrolyte–electrode interfacial resistances in lithium cells containing garnet type solid electrolytes. Physical Chemistry Chemical Physics, 2014, 16, 18294-18300.  | 2.8  | 431       |
| 16 | Spinel compounds as multivalent battery cathodes: a systematic evaluation based on ab initio calculations. Energy and Environmental Science, 2015, 8, 964-974.  | 30.8 | 430       |
| 17 | FireWorks: a dynamic workflow system designed for highâ€throughput applications. Concurrency Computation Practice and Experience, 2015, 27, 5037-5059.  | 2.2  | 373       |
| 18 | The Abinitproject: Impact, environment and recent developments. Computer Physics Communications, 2020, 248, 107042.   | 7.5  | 369       |

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|----|---|-------------|-----------|
| 19 | Predicting Crystal Structures with Data Mining of Quantum Calculations. Physical Review Letters, 2003, 91, 135503.  | 7.8         | 354       |
| 20 | A high capacity thiospinel cathode for Mg batteries. Energy and Environmental Science, 2016, 9, 2273-2277.  | 30.8        | 349       |
| 21 | Effect of Surface Microstructure on Electrochemical Performance of Garnet Solid Electrolytes. ACS Applied Materials & Samp; Interfaces, 2015, 7, 2073-2081.   | 8.0         | 347       |
| 22 | Prediction of solid-aqueous equilibria: Scheme to combine first-principles calculations of solids with experimental aqueous states. Physical Review B, 2012, 85, .  | 3.2         | 342       |
| 23 | The Materials Application Programming Interface (API): A simple, flexible and efficient API for materials data based on REpresentational State Transfer (REST) principles. Computational Materials Science, 2015, 97, 209-215.  | 3.0         | 322       |
| 24 | Uncharted Waters: Super-Concentrated Electrolytes. Joule, 2020, 4, 69-100.  | 24.0        | 305       |
| 25 | Combining theory and experiment in lithium–sulfur batteries: Current progress and future perspectives. Materials Today, 2019, 22, 142-158.  | 14.2        | 301       |
| 26 | First principles high throughput screening of oxynitrides for water-splitting photocatalysts. Energy and Environmental Science, 2013, 6, 157-168.   | 30.8        | 290       |
| 27 | Accelerating Electrolyte Discovery for Energy Storage with High-Throughput Screening. Journal of Physical Chemistry Letters, 2015, 6, 283-291.  | <b>4.</b> 6 | 276       |
| 28 | The Coupling between Stability and Ion Pair Formation in Magnesium Electrolytes from First-Principles Quantum Mechanics and Classical Molecular Dynamics. Journal of the American Chemical Society, 2015, 137, 3411-3420.   | 13.7        | 259       |
| 29 | A Review on Challenges and Successes in Atomic-Scale Design of Catalysts for Electrochemical Synthesis of Hydrogen Peroxide. ACS Catalysis, 2020, 10, 7495-7511.  | 11.2        | 254       |
| 30 | Wide Band Gap Chalcogenide Semiconductors. Chemical Reviews, 2020, 120, 4007-4055.  | 47.7        | 246       |
| 31 | The influence of FEC on the solvation structure and reduction reaction of LiPF6/EC electrolytes and its implication for solid electrolyte interphase formation. Nano Energy, 2019, 64, 103881.  | 16.0        | 239       |
| 32 | Mechanistic insights into chemical and photochemical transformations of bismuth vanadate photoanodes. Nature Communications, 2016, 7, 12012.  | 12.8        | 231       |
| 33 | Machine Learning for Materials Scientists: An Introductory Guide toward Best Practices. Chemistry of Materials, 2020, 32, 4954-4965.  | 6.7         | 224       |
| 34 | Atomate: A high-level interface to generate, execute, and analyze computational materials science workflows. Computational Materials Science, 2017, 139, 140-152.   | 3.0         | 223       |
| 35 | Interrelationships among Grain Size, Surface Composition, Air Stability, and Interfacial Resistance of Al-Substituted Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Solid Electrolytes. ACS Applied Materials & Distriction of the composition of the com | 8.0         | 220       |
| 36 | Energy storage emerging: A perspective from the Joint Center for Energy Storage Research.  Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12550-12557.   | 7.1         | 218       |

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| #  | Article   | IF          | CITATIONS |
|----|---|-------------|-----------|
| 37 | Thermodynamic limit for synthesis of metastable inorganic materials. Science Advances, 2018, 4, eaaq0148.   | 10.3        | 212       |
| 38 | Efficient calculation of carrier scattering rates from first principles. Nature Communications, 2021, 12, 2222.   | 12.8        | 205       |
| 39 | 2DMatPedia, an open computational database of two-dimensional materials from top-down and bottom-up approaches. Scientific Data, 2019, 6, 86.   | 5.3         | 201       |
| 40 | Understanding thermoelectric properties from high-throughput calculations: trends, insights, and comparisons with experiment. Journal of Materials Chemistry C, 2016, 4, 4414-4426.                               | 5.5         | 193       |
| 41 | Materials science with large-scale data and informatics: Unlocking new opportunities. MRS Bulletin, 2016, 41, 399-409.  | 3.5         | 192       |
| 42 | A database to enable discovery and design of piezoelectric materials. Scientific Data, 2015, 2, 150053.   | 5.3         | 191       |
| 43 | Nucleation of metastable aragonite CaCO <sub>3</sub> in seawater. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3199-3204.  | 7.1         | 187       |
| 44 | Origin of Electrochemical, Structural, and Transport Properties in Nonaqueous Zinc Electrolytes. ACS Applied Materials & Distriction (2016), 8, 3021-3031.  | 8.0         | 181       |
| 45 | New opportunities for materials informatics: Resources and data mining techniques for uncovering hidden relationships. Journal of Materials Research, 2016, 31, 977-994.  | 2.6         | 180       |
| 46 | A Statistical Learning Framework for Materials Science: Application to Elastic Moduli of k-nary Inorganic Polycrystalline Compounds. Scientific Reports, 2016, 6, 34256.  | 3.3         | 178       |
| 47 | Structural and Chemical Evolution of the Layered Liâ€Excess Li <sub><i>x</i></sub> MnO <sub>3</sub> as a Function of Li Content from Firstâ€Principles Calculations. Advanced Energy Materials, 2014, 4, 1400498. | 19.5        | 173       |
| 48 | Electrochemical Stability of Metastable Materials. Chemistry of Materials, 2017, 29, 10159-10167.   | 6.7         | 168       |
| 49 | Solar fuels photoanode materials discovery by integrating high-throughput theory and experiment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3040-3043.           | 7.1         | 157       |
| 50 | The Electrolyte Genome project: A big data approach in battery materials discovery. Computational Materials Science, 2015, 103, 56-67.  | 3.0         | 150       |
| 51 | Effective mass and Fermi surface complexity factor from ab initio band structure calculations. Npj<br>Computational Materials, 2017, 3, .   | 8.7         | 145       |
| 52 | High-throughput screening of inorganic compounds for the discovery of novel dielectric and optical materials. Scientific Data, 2017, 4, 160134.   | <b>5.</b> 3 | 140       |
| 53 | Named Entity Recognition and Normalization Applied to Large-Scale Information Extraction from the Materials Science Literature. Journal of Chemical Information and Modeling, 2019, 59, 3692-3702.                | 5.4         | 136       |
| 54 | Elucidating the structure of the magnesium aluminum chloride complex electrolyte for magnesium-ion batteries. Energy and Environmental Science, 2015, 8, 3718-3730.   | 30.8        | 131       |

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|----|---|------|-----------|
| 55 | Ion Transport and the True Transference Number in Nonaqueous Polyelectrolyte Solutions for Lithium Ion Batteries. ACS Central Science, 2019, 5, 1250-1260.  | 11.3 | 126       |
| 56 | Robust and synthesizable photocatalysts for CO2 reduction: a data-driven materials discovery. Nature Communications, 2019, 10, 443.   | 12.8 | 125       |
| 57 | Solvation structure and energetics of electrolytes for multivalent energy storage. Physical Chemistry Chemical Physics, 2014, 16, 21941-21945.  | 2.8  | 124       |
| 58 | High-throughput density-functional perturbation theory phonons for inorganic materials. Scientific Data, 2018, 5, 180065.   | 5.3  | 122       |
| 59 | Materials design of perovskite solid solutions for thermochemical applications. Energy and Environmental Science, 2019, 12, 1369-1384.  | 30.8 | 122       |
| 60 | Nanocomposite polymer electrolyte for rechargeable magnesium batteries. Nano Energy, 2015, 12, 750-759.   | 16.0 | 121       |
| 61 | Evaluation of sulfur spinel compounds for multivalent battery cathode applications. Energy and Environmental Science, 2016, 9, 3201-3209.   | 30.8 | 121       |
| 62 | Elucidating the Solvation Structure and Dynamics of Lithium Polysulfides Resulting from Competitive Salt and Solvent Interactions. Chemistry of Materials, 2017, 29, 3375-3379.   | 6.7  | 117       |
| 63 | Research Update: The materials genome initiative: Data sharing and the impact of collaborative $\langle i \rangle$ ab initio $\langle i \rangle$ databases. APL Materials, 2016, 4, .   | 5.1  | 115       |
| 64 | Grain boundary properties of elemental metals. Acta Materialia, 2020, 186, 40-49.   | 7.9  | 115       |
| 65 | Active learning for accelerated design of layered materials. Npj Computational Materials, 2018, 4, .  | 8.7  | 107       |
| 66 | Computational prediction of new auxetic materials. Nature Communications, 2017, 8, 323.   | 12.8 | 105       |
| 67 | High-throughput Computational Study of Halide Double Perovskite Inorganic Compounds. Chemistry of Materials, 2019, 31, 5392-5401.   | 6.7  | 102       |
| 68 | Computational and experimental investigation of TmAgTe <sub>2</sub> and XYZ <sub>2</sub> compounds, a new group of thermoelectric materials identified by first-principles high-throughput screening. Journal of Materials Chemistry C, 2015, 3, 10554-10565. | 5.5  | 99        |
| 69 | Unraveling the Nanoscale Heterogeneity of Solid Electrolyte Interphase Using Tip-Enhanced Raman Spectroscopy. Joule, 2019, 3, 2001-2019.  | 24.0 | 99        |
| 70 | Rutile Alloys in the Mn–Sb–O System Stabilize Mn <sup>3+</sup> To Enable Oxygen Evolution in Strong Acid. ACS Catalysis, 2018, 8, 10938-10948.  | 11.2 | 97        |
| 71 | Distinct Solidâ€Electrolyteâ€Interphases on Sn (100) and (001) Electrodes Studied by Soft Xâ€Ray Spectroscopy. Advanced Materials Interfaces, 2014, 1, 1300115.   | 3.7  | 94        |
| 72 | High-throughput computational X-ray absorption spectroscopy. Scientific Data, 2018, 5, 180151.  | 5.3  | 94        |

| #  | Article  | IF        | CITATIONS |
|----|--|-----------|-----------|
| 73 | Predicting defect behavior in B2 intermetallics by merging ab initio modeling and machine learning. Npj Computational Materials, 2016, 2, .  | 8.7       | 90        |
| 74 | "Rocking-Chair―Type Metal Hybrid Supercapacitors. ACS Applied Materials & Samp; Interfaces, 2016, 8, 30853-30862.  | 8.0       | 86        |
| 75 | Anisotropic work function of elemental crystals. Surface Science, 2019, 687, 48-55.  | 1.9       | 84        |
| 76 | Automated generation and ensemble-learned matching of X-ray absorption spectra. Npj Computational Materials, 2018, 4, .  | 8.7       | 82        |
| 77 | Garnet Electrolyte Surface Degradation and Recovery. ACS Applied Energy Materials, 2018, 1, 7244-7252.   | 5.1       | 81        |
| 78 | Enhanced Stability of the Carba- <i>closo</i> -dodecaborate Anion for High-Voltage Battery Electrolytes through Rational Design. Journal of the American Chemical Society, 2018, 140, 11076-11084.   | 13.7      | 80        |
| 79 | Computational Approach for Epitaxial Polymorph Stabilization through Substrate Selection. ACS Applied Materials & Samp; Interfaces, 2016, 8, 13086-13093.  | 8.0       | 78        |
| 80 | The existence and impact of persistent ferroelectric domains in MAPbI <sub>3</sub> . Science Advances, 2019, 5, eaas9311.  | 10.3      | 77        |
| 81 | Ab initiostudy of the composition dependence of the pressure-induced spin transition in the (Mg1â^'x,Fex)O system. Geophysical Research Letters, 2006, 33, .   | 4.0       | 76        |
| 82 | Beyond Local Solvation Structure: Nanometric Aggregates in Battery Electrolytes and Their Effect on Electrolyte Properties. ACS Energy Letters, 2022, 7, 461-470.  | 17.4      | 75        |
| 83 | Transport in Superconcentrated LiPF <sub>6</sub> and LiBF <sub>4</sub> /Propylene Carbonate Electrolytes. ACS Energy Letters, 2019, 4, 2843-2849.  | 17.4      | 71        |
| 84 | Additiveâ€Free, Lowâ€Temperature Crystallization of Stable αâ€FAPbI <sub>3</sub> Perovskite. Advanced Materials, 2022, 34, e2107850.   | 21.0      | 71        |
| 85 | A high-throughput framework for determining adsorption energies on solid surfaces. Npj<br>Computational Materials, 2017, 3, .  | 8.7       | 70        |
| 86 | High-throughput prediction of the ground-state collinear magnetic order of inorganic materials using Density Functional Theory. Npj Computational Materials, 2019, 5, .  | 8.7       | 69        |
| 87 | Efficient Pourbaix diagrams of many-element compounds. Physical Chemistry Chemical Physics, 2019, 21, 25323-25327.   | 2.8       | 69        |
| 88 | Revealing the coupled cation interactions behind the electrochemical profile of LixNi0.5Mn1.5O4. Energy and Environmental Science, 2012, 5, 6047.  | 30.8      | 67        |
| 89 | The lithiation process and Li diffusion in amorphous <mml:math altimg="si1.svg" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mrext>SiO</mml:mrext></mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><m< td=""><td>ow⁵:₹mml:</td><td>:mn&gt;2</td></m<></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math> | ow⁵:₹mml: | :mn>2     |
| 90 | Concentration dependent electrochemical properties and structural analysis of a simple magnesium electrolyte: magnesium bis(trifluoromethane sulfonyl)imide in diglyme. RSC Advances, 2016, 6, 113663-113670.  | 3.6       | 65        |

| #   | Article  | IF          | Citations |
|-----|--|-------------|-----------|
| 91  | Conformational Entropy as a Means to Control the Behavior of Poly(diketoenamine) Vitrimers In and Out of Equilibrium. Angewandte Chemie - International Edition, 2020, 59, 735-739.  | 13.8        | 64        |
| 92  | Tuning the Solvation Structure in Aqueous Zinc Batteries to Maximize Zn-Ion Intercalation and Optimize Dendrite-Free Zinc Plating. ACS Energy Letters, 2022, 7, 533-540.   | 17.4        | 62        |
| 93  | Mn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> : An Earth Abundant Light Absorber for Solar Water Splitting. Advanced Energy Materials, 2015, 5, 1401840.   | 19.5        | 61        |
| 94  | Large scale computational screening and experimental discovery of novel materials for high temperature CO <sub>2</sub> capture. Energy and Environmental Science, 2016, 9, 1346-1360.  | 30.8        | 61        |
| 95  | Elucidating Solvation Structures for Rational Design of Multivalent Electrolytesâ€"A Review. Topics in Current Chemistry, 2018, 376, 19.   | 5.8         | 61        |
| 96  | Assessing High-Throughput Descriptors for Prediction of Transparent Conductors. Chemistry of Materials, 2018, 30, 8375-8389.   | 6.7         | 60        |
| 97  | Widening Electrochemical Window of Mg Salt by Weakly Coordinating Perfluoroalkoxyaluminate Anion for Mg Battery Electrolyte. Journal of the Electrochemical Society, 2019, 166, A1510-A1519.   | 2.9         | 60        |
| 98  | Anomalous metal segregation in lithium-rich material provides design rules for stable cathode in lithium-ion battery. Nature Communications, 2019, 10, 1650.   | 12.8        | 60        |
| 99  | Revealing the Intrinsic Li Mobility in the Li <sub>2</sub> MnO <sub>3</sub> Lithium-Excess Material. Chemistry of Materials, 2016, 28, 2081-2088.  | 6.7         | 59        |
| 100 | Solid-Solution Li Intercalation as a Function of Cation Order/Disorder in the High-Voltage LixNi0.5Mn1.5O4 Spinel. Chemistry of Materials, 2013, 25, 2885-2889.  | 6.7         | 56        |
| 101 | Stability and self-passivation of copper vanadate photoanodes under chemical, electrochemical, and photoelectrochemical operation. Physical Chemistry Chemical Physics, 2016, 18, 9349-9352.   | 2.8         | 56        |
| 102 | Alleviating oxygen evolution from Li-excess oxide materials through theory-guided surface protection. Nature Communications, 2018, 9, 4597.  | 12.8        | 56        |
| 103 | Structure and Dynamics of Polysulfide Clusters in a Nonaqueous Solvent Mixture of 1,3-Dioxolane and 1,2-Dimethoxyethane. Chemistry of Materials, 2019, 31, 2308-2319.  | 6.7         | 54        |
| 104 | YCuTe <sub>2</sub> : a member of a new class of thermoelectric materials with CuTe <sub>4</sub> -based layered structure. Journal of Materials Chemistry A, 2016, 4, 2461-2472.  | 10.3        | 52        |
| 105 | A framework for quantifying uncertainty in DFT energy corrections. Scientific Reports, 2021, 11, 15496.  | 3.3         | 51        |
| 106 | Oxidation Protection with Amorphous Surface Oxides: Thermodynamic Insights from Ab Initio Simulations on Aluminum. ACS Applied Materials & Simulations on Aluminum. ACS Applied Materials & Simulations on Aluminum.   | 8.0         | 50        |
| 107 | Incorporating Electronic Information into Machine Learning Potential Energy Surfaces via Approaching the Ground-State Electronic Energy as a Function of Atom-Based Electronic Populations. Journal of Chemical Theory and Computation, 2020, 16, 4256-4270. | <b>5.</b> 3 | 50        |
| 108 | Ion Correlations and Their Impact on Transport in Polymer-Based Electrolytes. Macromolecules, 2021, 54, 2575-2591.   | 4.8         | 50        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | Intrinsic chemical reactivity of solid-electrolyte interphase components in silicon–lithium alloy anode batteries probed by FTIR spectroscopy. Journal of Materials Chemistry A, 2020, 8, 7897-7906.  | 10.3 | 49        |
| 110 | OPTIMADE, an API for exchanging materials data. Scientific Data, 2021, 8, 217.  | 5.3  | 49        |
| 111 | Benchmarking density functional perturbation theory to enable high-throughput screening of materials for dielectric constant and refractive index. Physical Review B, 2016, 93, .   | 3.2  | 46        |
| 112 | Toward a Mechanistic Model of Solid–Electrolyte Interphase Formation and Evolution in Lithium-Ion Batteries. ACS Energy Letters, 2022, 7, 1446-1453.  | 17.4 | 46        |
| 113 | Quantifying the advantage of domain-specific pre-training on named entity recognition tasks in materials science. Patterns, 2022, 3, 100488.  | 5.9  | 46        |
| 114 | Materials Genomics Screens for Adaptive Ion Transport Behavior by Redox-Switchable Microporous Polymer Membranes in Lithium–Sulfur Batteries. ACS Central Science, 2017, 3, 399-406.  | 11.3 | 44        |
| 115 | Reversible Electrochemical Interface of Mg Metal and Conventional Electrolyte Enabled by Intermediate Adsorption. ACS Energy Letters, 2020, 5, 200-206.   | 17.4 | 44        |
| 116 | Enhancing surface oxygen retention through theory-guided doping selection in Li $<$ sub $>$ 1 $\hat{a}$ ° $x<$ sub $>$ NiO $<$ sub $>$ 2 $<$ sub $>$ for next-generation lithium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 23293-23303.   | 10.3 | 44        |
| 117 | A graph-based network for predicting chemical reaction pathways in solid-state materials synthesis. Nature Communications, 2021, 12, 3097.  | 12.8 | 44        |
| 118 | BonDNet: a graph neural network for the prediction of bond dissociation energies for charged molecules. Chemical Science, 2021, 12, 1858-1868.  | 7.4  | 44        |
| 119 | The Interplay between Salt Association and the Dielectric Properties of Low Permittivity Electrolytes: The Case of LiPF <sub>6</sub> and LiAsF <sub>6</sub> in Dimethyl Carbonate. Journal of Physical Chemistry C, 2018, 122, 1990-1994.   | 3.1  | 43        |
| 120 | High-throughput predictions of metal–organic framework electronic properties: theoretical challenges, graph neural networks, and data exploration. Npj Computational Materials, 2022, 8, .  | 8.7  | 43        |
| 121 | Onsager Transport Coefficients and Transference Numbers in Polyelectrolyte Solutions and Polymerized Ionic Liquids. Macromolecules, 2020, 53, 9503-9512.  | 4.8  | 42        |
| 122 | Surface Morphology and Surface Stability against Oxygen Loss of the Lithium-Excess Li <sub>2</sub> MnO <sub>3</sub> Cathode Material as a Function of Lithium Concentration. ACS Applied Materials & Discourse Applied & Discourse Ap | 8.0  | 38        |
| 123 | 25Mg NMR and computational modeling studies of the solvation structures and molecular dynamics in magnesium based liquid electrolytes. Nano Energy, 2018, 46, 436-446.  | 16.0 | 37        |
| 124 | The critical role of configurational flexibility in facilitating reversible reactive metal deposition from borohydride solutions. Journal of Materials Chemistry A, 2020, 8, 7235-7244.   | 10.3 | 37        |
| 125 | Discovery of Manganese-Based Solar Fuel Photoanodes via Integration of Electronic Structure Calculations, Pourbaix Stability Modeling, and High-Throughput Experiments. ACS Energy Letters, 2017, 2, 2307-2312.   | 17.4 | 36        |
| 126 | Elucidating Non-aqueous Solvent Stability and Associated Decomposition Mechanisms for Mg Energy Storage Applications From First-Principles. Frontiers in Chemistry, 2019, 7, 175.   | 3.6  | 36        |

| #   | Article  | IF                     | CITATIONS |
|-----|--|------------------------|-----------|
| 127 | A chemically consistent graph architecture for massive reaction networks applied to solid-electrolyte interphase formation. Chemical Science, 2021, 12, 4931-4939.   | 7.4                    | 36        |
| 128 | Effects of Anion Mobility on Electrochemical Behaviors of Lithium–Sulfur Batteries. Chemistry of Materials, 2017, 29, 9023-9029.   | 6.7                    | 35        |
| 129 | High-throughput search for magnetic and topological order in transition metal oxides. Science Advances, 2020, 6, .   | 10.3                   | 35        |
| 130 | Transport Phenomena in Low Temperature Lithium-Ion Battery Electrolytes. Journal of the Electrochemical Society, 2021, 168, 080501.  | 2.9                    | 35        |
| 131 | propnet: A Knowledge Graph for Materials Science. Matter, 2020, 2, 464-480.  | 10.0                   | 34        |
| 132 | An improved symmetry-based approach to reciprocal space path selection in band structure calculations. Npj Computational Materials, 2020, 6, .   | 8.7                    | 33        |
| 133 | lonic Conduction Mechanism and Design of Metal–Organic Framework Based Quasi-Solid-State Electrolytes. Journal of the American Chemical Society, 2022, 144, 13446-13450.   | 13.7                   | 33        |
| 134 | Evaluation of thermodynamic equations of state across chemistry and structure in the materials project. Npj Computational Materials, 2018, 4, .  | 8.7                    | 32        |
| 135 | Exploring the Pb <sub>1â^²</sub> <i><sub>&lt;</sub></i> > <sub>&gt;<sub>&gt;&gt;Sr<i><sub>x</sub></i>&gt;HfO<sub>3</sub> System and Potential for High Capacitive Energy Storage Density and Efficiency. Advanced Materials, 2022, 34, e2105967.</sub></sub> | 21.0                   | 32        |
| 136 | Investigation of Solvent Type and Salt Addition in High Transference Number Nonaqueous Polyelectrolyte Solutions for Lithium Ion Batteries. Macromolecules, 2018, 51, 8761-8771.   | 4.8                    | 31        |
| 137 | Alkyltin clusters: the less symmetric Keggin isomers. Dalton Transactions, 2018, 47, 9804-9813.  | 3.3                    | 31        |
| 138 | An Electrifying Choice for the 2019 Chemistry Nobel Prize: Goodenough, Whittingham, and Yoshino. Chemistry of Materials, 2019, 31, 8577-8581.  | 6.7                    | 31        |
| 139 | Benchmarking Coordination Number Prediction Algorithms on Inorganic Crystal Structures. Inorganic Chemistry, 2021, 60, 1590-1603.  | 4.0                    | 31        |
| 140 | Performance comparison of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>r</mml:mi><td>ow&gt;<mm<br>2.4</mm<br></td><td>l:mn&gt;2</td></mml:mrow></mml:msup></mml:math>  | ow> <mm<br>2.4</mm<br> | l:mn>2    |
| 141 | Successes and Opportunities for Discovery of Metal Oxide Photoanodes for Solar Fuels Generators. ACS Energy Letters, 2020, 5, 1413-1421.   | 17.4                   | 30        |
| 142 | The solvation structure, transport properties and reduction behavior of carbonate-based electrolytes of lithium-ion batteries. Chemical Science, 2021, 12, 14740-14751.  | 7.4                    | 29        |
| 143 | Data-Driven Prediction of Formation Mechanisms of Lithium Ethylene Monocarbonate with an Automated Reaction Network. Journal of the American Chemical Society, 2021, 143, 13245-13258.   | 13.7                   | 29        |
| 144 | Understanding the Role of SEI Layer in Low-Temperature Performance of Lithium-lon Batteries. ACS Applied Materials & Diterfaces, 2022, 14, 11910-11918.  | 8.0                    | 29        |

| #   | Article   | IF   | Citations |
|-----|---|------|-----------|
| 145 | Ion Pairing and Redissociaton in Low-Permittivity Electrolytes for Multivalent Battery Applications. Journal of Physical Chemistry Letters, 2020, 11, 2046-2052.                                | 4.6  | 28        |
| 146 | Group additivity-Pourbaix diagrams advocate thermodynamically stable nanoscale clusters in aqueous environments. Nature Communications, 2017, 8, 15852.   | 12.8 | 27        |
| 147 | Dynamic Control of Optical Response in Layered Metal Chalcogenide Nanoplates. Nano Letters, 2016, 16, 488-496.  | 9.1  | 26        |
| 148 | Computational Design of New Magnesium Electrolytes with Improved Properties. Journal of Physical Chemistry C, 2017, 121, 16126-16136.   | 3.1  | 26        |
| 149 | Combinatorial Tuning of Structural and Optoelectronic Properties in Cu Zn1â^'S. Matter, 2019, 1, 862-880.   | 10.0 | 26        |
| 150 | Evaluation of Amorphous Oxide Coatings for High-Voltage Li-Ion Battery Applications Using a First-Principles Framework. ACS Applied Materials & Evaluation (2008), 12, 35748-35756.             | 8.0  | 26        |
| 151 | Selectivity in Yttrium Manganese Oxide Synthesis via Local Chemical Potentials in Hyperdimensional Phase Space. Journal of the American Chemical Society, 2021, 143, 15185-15194.               | 13.7 | 25        |
| 152 | Promises and perils of computational materials databases. Nature Computational Science, 2021, 1, 3-5.   | 8.0  | 25        |
| 153 | Diffusional motion of redox centers in carbonate electrolytes. Journal of Chemical Physics, 2014, 141, 104509.  | 3.0  | 24        |
| 154 | Insight into SEI Growth in Li-lon Batteries using Molecular Dynamics and Accelerated Chemical Reactions. Journal of Physical Chemistry C, 2021, 125, 18588-18596.                               | 3.1  | 24        |
| 155 | In-situ resonant band engineering of solution-processed semiconductors generates high performance n-type thermoelectric nano-inks. Nature Communications, 2020, 11, 2069.                       | 12.8 | 23        |
| 156 | Toward Accurate Modeling of the Effect of Ion-Pair Formation on Solute Redox Potential. Journal of Chemical Theory and Computation, 2016, 12, 4501-4508.  | 5.3  | 22        |
| 157 | Fast Mg2+ diffusion in Mo3(PO4)3O for Mg batteries. Chemical Communications, 2017, 53, 7998-8001.   | 4.1  | 22        |
| 158 | Defect-Accommodating Intermediates Yield Selective Low-Temperature Synthesis of YMnO <sub>3</sub> Polymorphs. Inorganic Chemistry, 2020, 59, 13639-13650.                                       | 4.0  | 22        |
| 159 | Strain-Mediated Interfacial Dynamics during Au–PbS Core–Shell Nanostructure Formation. ACS Nano, 2016, 10, 6235-6240.   | 14.6 | 21        |
| 160 | Mechanical Properties and Chemical Reactivity of Li <sub><i>x</i></sub> SiO <sub><i>y</i></sub> Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 38558-38564.                          | 8.0  | 21        |
| 161 | Database of ab initio L-edge X-ray absorption near edge structure. Scientific Data, 2021, 8, 153.   | 5.3  | 21        |
| 162 | <i>ChemEnv</i> : a fast and robust coordination environment identification tool. Acta<br>Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 683-695. | 1.1  | 21        |

| #   | Article  | IF          | Citations |
|-----|--|-------------|-----------|
| 163 | Harnessing the Materials Project for machine-learning and accelerated discovery. MRS Bulletin, 2018, 43, 664-669.  | 3.5         | 20        |
| 164 | Two-dimensional forms of robust CO2 reduction photocatalysts. Npj 2D Materials and Applications, 2020, 4, .  | 7.9         | 20        |
| 165 | Quantum chemical calculations of lithium-ion battery electrolyte and interphase species. Scientific Data, 2021, 8, 203.  | 5.3         | 19        |
| 166 | PyDII: A python framework for computing equilibrium intrinsic point defect concentrations and extrinsic solute site preferences in intermetallic compounds. Computer Physics Communications, 2015, 193, 118-123.                                   | <b>7.</b> 5 | 18        |
| 167 | Preferential Solvation of an Asymmetric Redox Molecule. Journal of Physical Chemistry C, 2016, 120, 27834-27839.   | 3.1         | 18        |
| 168 | A charge-density-based general cation insertion algorithm for generating new Li-ion cathode materials. Npj Computational Materials, 2020, 6, .   | 8.7         | 18        |
| 169 | From Waste-Heat Recovery to Refrigeration: Compositional Tuning of Magnetocaloric Mn <sub>1+<i>x</i></sub> Sb. Chemistry of Materials, 2020, 32, 1243-1249.  | 6.7         | 18        |
| 170 | Discovery and Characterization of a Pourbaix-Stable, 1.8 eV Direct Gap Bismuth Manganate Photoanode. Chemistry of Materials, 2017, 29, 10027-10036.  | 6.7         | 17        |
| 171 | Quantifying Species Populations in Multivalent Borohydride Electrolytes. Journal of Physical Chemistry B, 2021, 125, 3644-3652.  | 2.6         | 17        |
| 172 | Silicon Anodes with Improved Calendar Life Enabled By Multivalent Additives. Advanced Energy Materials, 2021, 11, 2101820.   | 19.5        | 17        |
| 173 | Improving machine learning performance on small chemical reaction data with unsupervised contrastive pretraining. Chemical Science, 2022, 13, 1446-1458.   | 7.4         | 17        |
| 174 | Electrostatic Estimation of Intercalant Jump-Diffusion Barriers Using Finite-Size Ion Models. Journal of Physical Chemistry Letters, 2018, 9, 628-634.   | 4.6         | 16        |
| 175 | Rationalizing Calcium Electrodeposition Behavior by Quantifying Ethereal Solvation Effects on Ca <sup>2+</sup> Coordination in Well-Dissociated Electrolytes. Journal of the Electrochemical Society, 2020, 167, 160512.                           | 2.9         | 16        |
| 176 | Enumeration as a Tool for Structure Solution: A Materials Genomic Approach to Solving the Cation-Ordered Structure of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> . Chemistry of Materials, 2020, 32, 8981-8992. | 6.7         | 14        |
| 177 | Lowering Ternary Oxide Synthesis Temperatures by Solid-State Cometathesis Reactions. Chemistry of Materials, 2021, 33, 3692-3701.  | 6.7         | 14        |
| 178 | Elucidating Solvation Structures for Rational Design of Multivalent Electrolytesâ€"A Review. Topics in Current Chemistry Collections, 2018, , 79-124.  | 0.5         | 14        |
| 179 | The Materials Project: Accelerating Materials Design Through Theory-Driven Data and Tools. , 2020, , 1751-1784.  |             | 14        |
| 180 | Role of disorder in the synthesis of metastable zinc zirconium nitrides. Physical Review Materials, 2022, 6, .   | 2.4         | 14        |

| #   | Article   | IF   | Citations |
|-----|---|------|-----------|
| 181 | High-throughput computation and evaluation of raman spectra. Scientific Data, 2019, 6, 135.   | 5.3  | 13        |
| 182 | Combinatorial screening yields discovery of 29 metal oxide photoanodes for solar fuel generation. Journal of Materials Chemistry A, 2020, 8, 4239-4243.               | 10.3 | 13        |
| 183 | Advancing Electrolyte Solution Chemistry and Interfacial Electrochemistry of Divalent Metal Batteries. ChemElectroChem, 2021, 8, 3013-3029.                           | 3.4  | 13        |
| 184 | Concentration-dependent ion correlations impact the electrochemical behavior of calcium battery electrolytes. Physical Chemistry Chemical Physics, 2022, 24, 674-686. | 2.8  | 13        |
| 185 | The Materials Project: Accelerating Materials Design Through Theory-Driven Data and Tools. , 2018, , 1-34.  |      | 11        |
| 186 | Sputtered p-Type Cu <sub><i>x</i></sub> Zn <sub>1â€"<i>x</i></sub> S Back Contact to CdTe Solar Cells. ACS Applied Energy Materials, 2020, 3, 5427-5438.              | 5.1  | 11        |
| 187 | Enabling materials informatics for 29Si solid-state NMR of crystalline materials. Npj Computational Materials, 2020, 6, .   | 8.7  | 11        |
| 188 | Aromaticity as a Guide to Planarity in Conjugated Molecules and Polymers. Journal of Physical Chemistry C, 2020, 124, 5608-5612.                                      | 3.1  | 11        |
| 189 | Automated Adsorption Workflow for Semiconductor Surfaces and the Application to Zinc Telluride. Journal of Chemical Information and Modeling, 2021, 61, 3908-3916.    | 5.4  | 11        |
| 190 | A Community Contribution Framework for Sharing Materials Data with Materials Project. , 2015, , .   |      | 10        |
| 191 | Butyltin Keggin Ion with a Rare Four-Coordinate Ca Center. Inorganic Chemistry, 2020, 59, 2900-2909.  | 4.0  | 9         |
| 192 | First-principles study of CaB <sub>12</sub> H <sub>12</sub> as a potential solid-state conductor for Ca. Physical Chemistry Chemical Physics, 2020, 22, 27600-27604.  | 2.8  | 8         |
| 193 | Role of Fluorine in Chemomechanics of Cation-Disordered Rocksalt Cathodes. Chemistry of Materials, 2021, 33, 7028-7038.   | 6.7  | 8         |
| 194 | Evaluating Materials Design Parameters of Hole-Selective Contacts for Silicon Heterojunction Solar Cells. IEEE Journal of Photovoltaics, 2021, 11, 247-258.           | 2.5  | 7         |
| 195 | Band Edge Energy Tuning through Electronic Character Hybridization in Ternary Metal Vanadates.<br>Chemistry of Materials, 2021, 33, 7242-7253.                        | 6.7  | 7         |
| 196 | Tunable valleytronics with symmetry-retaining high polarization degree in SnSxSe1â^x model system. Applied Physics Letters, 2020, 116, 061105.                        | 3.3  | 6         |
| 197 | Metastable Ta <sub>2</sub> N <sub>3</sub> with highly tunable electrical conductivity <i>via</i> oxygen incorporation. Materials Horizons, 2021, 8, 1744-1755.        | 12.2 | 6         |
| 198 | A Theoretical Model for Computing Freezing Point Depression of Lithium-Ion Battery Electrolytes. Journal of the Electrochemical Society, 2021, 168, 120532.           | 2.9  | 6         |

| #   | Article   | IF               | Citations |
|-----|---|------------------|-----------|
| 199 | NGenE 2021: Electrochemistry Is Everywhere. ACS Energy Letters, 2022, 7, 368-374.   | 17.4             | 6         |
| 200 | Efficient Discovery of Optimal N-Layered TMDC Hetero-Structures. MRS Advances, 2018, 3, 397-402.  | 0.9              | 5         |
| 201 | Ion Association Constants for Lithium Ion Battery Electrolytes from First-Principles Quantum Chemistry. Journal of the Electrochemical Society, 2019, 166, A3554-A3558.   | 2.9              | 5         |
| 202 | Aqueous Stability of Zirconium Clusters, Including the Zr(IV) Hexanuclear Hydrolysis Complex [Zr <sub>6</sub> O <sub>4</sub> (OH) <sub>4</sub> (H <sub>2</sub> O) <sub>24</sub> ] <sup>12+</sup> , from Density Functional Theory. Inorganic Chemistry, 2021, 60, 15456-15466.  | 4.0              | 5         |
| 203 | Origin of Disorder Tolerance in Piezoelectric Materials and Design of Polar Systems. Chemistry of Materials, 2020, 32, 2836-2842.   | 6.7              | 4         |
| 204 | Reaction Selectivity in Cometathesis: Yttrium Manganese Oxides. Chemistry of Materials, 2022, 34, 4694-4702.  | 6.7              | 4         |
| 205 | Creation of an XAS and EELS Spectroscopy Resource within the Materials Project using FEFF9. Microscopy and Microanalysis, 2017, 23, 208-209.  | 0.4              | 3         |
| 206 | Effective Local Geometry Descriptor for 29Si NMR Q4 Anisotropy. Journal of Physical Chemistry C, 2021, 125, 19481-19488.  | 3.1              | 3         |
| 207 | Synthesis of model sodium sulfide films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 053404.  | 2.1              | 3         |
| 208 | Online Interactive Platform for COVID-19 Literature Visual Analytics: Platform Development Study. Journal of Medical Internet Research, 2021, 23, e26995.   | 4.3              | 2         |
| 209 | Ab initio calculation of thermal expansion with application to understanding Invar behavior in gum metal. Physical Review Materials, $2018, 2, \ldots$  | 2.4              | 2         |
| 210 | Trigonal polymorph of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Li</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Mn</mml:mi><mml:msub><rmathvariant="normal">O<mml:mn>3</mml:mn></rmathvariant="normal"></mml:msub></mml:math> . Physical Review Materials, 2020, 4, . | nn <b>al</b> #mi | 2         |
| 211 | Li <sub>5</sub> VF <sub>4</sub> (SO <sub>4</sub> ) <sub>2</sub> : A Prototype High-Voltage Li-Ion Cathode. ACS Applied Materials & Samp; Interfaces, 2020, 12, 48662-48668.   | 8.0              | 1         |
| 212 | Alkyltin Keggin clusters as EUVL photoresist technology. , 2019, , .  |                  | 1         |
| 213 | Prospects for Employing Lithium Copper Phosphates as High-Voltage Li-lon Cathodes. Journal of Physical Chemistry C, 2021, 125, 13123-13130.   | 3.1              | 0         |