

Misae Otoyama

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Visualizing Local Electrical Properties of Composite Electrodes in Sulfide All-Solid-State Batteries by Scanning Probe Microscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2841-2849. | 3.1 | 11 |
| 2 | A systematic study on structure, ionic conductivity, and air-stability of $x\text{Li}_4\text{SnS}_4 \cdot (1-x)\text{Li}_3\text{PS}_4$ solid electrolytes. <i>Ceramics International</i> , 2021, 47, 28377-28383. | 4.8 | 14 |
| 3 | Visualization and Control of Chemically Induced Crack Formation in All-Solid-State Lithium-Metal Batteries with Sulfide Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5000-5007. | 8.0 | 50 |
| 4 | Mechanochemical synthesis of air-stable hexagonal Li_4SnS_4 -based solid electrolytes containing LiI and Li_3PS_4 . <i>RSC Advances</i> , 2021, 11, 38880-38888. | 3.6 | 6 |
| 5 | Mechanochemical Synthesis and Characterization of $x\text{Li}_4\text{SnS}_4 \cdot (1-x)\text{Li}_3\text{PS}_4$ Solid Electrolytes. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 366-366. | 0.0 | 0 |
| 6 | Exothermal behavior and microstructure of a $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ electrode layer using a Li_4SnS_4 solid electrolyte. <i>Journal of Power Sources</i> , 2020, 479, 228827. | 7.8 | 22 |
| 7 | Reaction uniformity visualized by Raman imaging in the composite electrode layers of all-solid-state lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13271-13276. | 2.8 | 9 |
| 8 | Sulfide Electrolyte Suppressing Side Reactions in Composite Positive Electrodes for All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29228-29234. | 8.0 | 7 |
| 9 | <i>Operando</i> Confocal Microscopy for Dynamic Changes of Li^+ Ion Conduction Path in Graphite Electrode Layers of All-Solid-State Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 900-904. | 4.6 | 44 |
| 10 | Mechanochemical synthesis of cubic rocksalt $\text{Na}_2\text{Ti}_3\text{S}_7$ as novel active materials for all-solid-state sodium secondary batteries. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 514-517. | 1.1 | 5 |
| 11 | Ex situ investigation of exothermal behavior and structural changes of the Li_3PS_4 - $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ electrode composites. <i>Solid State Ionics</i> , 2019, 342, 115046. | 2.7 | 13 |
| 12 | Synthesis and Electrochemical Activity of Some $\text{Na}(\text{Li})$ -Rich Ruthenium Oxides with the Feasibility to Stabilize Ru^{6+} . <i>Advanced Energy Materials</i> , 2019, 9, 1803674. | 19.5 | 28 |
| 13 | Amorphous $\text{Na}_2\text{Ti}_3\text{S}_7$ as an Active Material for All-solid-state Sodium Batteries. <i>Chemistry Letters</i> , 2019, 48, 288-290. | 1.3 | 7 |
| 14 | Crystallization behavior of the Li_2S - P_2S_5 glass electrolyte in the $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ positive electrode layer. <i>Scientific Reports</i> , 2018, 8, 6214. | 3.3 | 30 |
| 15 | Mechanochemical Synthesis and Characterization of Metastable Hexagonal Li_4SnS_4 Solid Electrolyte. <i>Inorganic Chemistry</i> , 2018, 57, 9925-9930. | 4.0 | 59 |
| 16 | Optical microscopic observation of graphite composite negative electrodes in all-solid-state lithium batteries. <i>Solid State Ionics</i> , 2018, 323, 123-129. | 2.7 | 31 |
| 17 | Electrochemical and structural evaluation for bulk-type all-solid-state batteries using Li_4GeS_4 - Li_3PS_4 electrolyte coating on LiCoO_2 particles. <i>Journal of Power Sources</i> , 2017, 360, 328-335. | 7.8 | 59 |
| 18 | Analysis of structural and thermal stability in the positive electrode for sulfide-based all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2017, 367, 42-48. | 7.8 | 38 |

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|----|---|-----|-----------|
| 19 | Raman Spectroscopy for $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ Composite Positive Electrodes in All-Solid-State Lithium Batteries. <i>Electrochemistry</i> , 2016, 84, 812-814. | | 20 |
| 20 | Investigation of State-of-charge Distributions for LiCoO_2 Composite Positive Electrodes in All-solid-state Lithium Batteries by Raman Imaging. <i>Chemistry Letters</i> , 2016, 45, 810-812. | 1.3 | 25 |
| 21 | Raman imaging for LiCoO_2 composite positive electrodes in all-solid-state lithium batteries using $\text{Li}_2\text{S-P}_2\text{S}_5$ solid electrolytes. <i>Journal of Power Sources</i> , 2016, 302, 419-425. | 7.8 | 93 |