

# Yasuaki Matsuda

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Proton Conductivity of the Mixed Cation Phosphate, $\text{KCo}_{1-x}\text{H}_{2-x}(\text{PO}_3)_3$ with a One-dimensional Tunnel Structure. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2022, 69, 99-103.	0.2	1
2	Proton conductivity in mixed cation phosphate, $\text{KMg}_{1-x}\text{H}_2(\text{PO}_3)_3$ with a layered structure at low-intermediate temperatures. <i>Dalton Transactions</i> , 2021, 50, 7678-7685.	3.3	4
3	High proton conductivity of $\text{NaMg}_{1-x}\text{Li}_x\text{H}_2(\text{PO}_3)_3$ with a three-dimensional open framework in the intermediate temperature range. <i>Materials Advances</i> , 2021, 2, 6603-6612.	5.4	4
4	Mechanistic Insights into Visible Light-Induced Direct Hydroxylation of Benzene to Phenol with Air and Water over Pt-Modified $\text{WO}_3$ Photocatalyst. <i>Catalysts</i> , 2020, 10, 557.	3.5	10
5	Arrangement of water molecules and high proton conductivity of tunnel structure phosphates, $\text{KMg}_{1-x}\text{H}_2(\text{PO}_3)_3$ . <i>RSC Advances</i> , 2020, 10, 7803-7811.	3.6	5
6	Synthesis, Structure and Ionic Conductivity of Garnet Like Lithium Ion Conductor $\text{Li}_{6.25-x}\text{Ga}_{0.25}\text{La}_3\text{Sr}_x\text{Zr}_x\text{O}_{12}$ . <i>Journal of the Electrochemical Society</i> , 2019, 166, A5168-A5173.	2.5	2
7	A reversible dendrite-free high-area-capacity lithium metal electrode. <i>Nature Communications</i> , 2017, 8, 15106.	12.8	156
8	Sintering behavior and electrochemical properties of garnet-like lithium conductor $\text{Li}_{6.25}\text{M}_{0.25}\text{La}_3\text{Zr}_2\text{O}_{12}$ (M: $\text{Al}^{3+}$ and $\text{Ga}^{3+}$ ). <i>Solid State Ionics</i> , 2017, 311, 69-74.	2.7	40
9	High Specific Energy Density Aqueous Lithium-Metal Chloride Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1958-A1964.	2.9	9
10	Phase relation, structure and ionic conductivity of $\text{Li}_{7-3x}\text{Al}_x\text{La}_3\text{Zr}_2\text{Ta}_x\text{O}_{12}$ . <i>RSC Advances</i> , 2016, 6, 78210-78218.	3.6	36
11	Surface Layer and Morphology of Lithium Metal Electrodes. <i>Electrochemistry</i> , 2016, 84, 854-860.	1.4	60
12	Synthesis, Crystal Structure, and Electrochemical Properties of $\text{Li}_{1.2-x}\text{Mn}_{0.3}\text{Co}_{0.2}\text{Ni}_{0.3}\text{O}_2$ ( $x > 0$ ) for Lithium-ion Battery Cathodes. <i>Electrochemistry</i> , 2015, 83, 820-823.	1.4	3
13	Phase formation of a garnet-type lithium-ion conductor $\text{Li}_{7-3x}\text{Al}_x\text{La}_3\text{Zr}_2\text{O}_{12}$ . <i>Solid State Ionics</i> , 2015, 277, 23-29.	2.7	62
14	Syntheses, structures, and ionic conductivities of perovskite-structured lithium-strontium-aluminum/gallium-tantalum-oxides. <i>Journal of Solid State Chemistry</i> , 2015, 225, 431-437.	2.9	11
15	Synthesis, crystal structure, and ionic conductivity of tunnel structure phosphates, $\text{RbMg}_{1-x}\text{H}_2(\text{PO}_3)_3$ . <i>Journal of Materials Chemistry A</i> , 2013, 1, 15544.	10.3	13