Yasuaki Matsuda

List of Publications by Year
in descending order

15 papers	429 citations	1040056 9 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	741 citing authors

#	Article	IF	Citations
1	A reversible dendrite-free high-areal-capacity lithium metal electrode. Nature Communications, 2017, 8, 15106.	12.8	156
2	Phase formation of a garnet-type lithium-ion conductor Li7â˜3Al La3Zr2O12. Solid State Ionics, 2015, 277, 23-29.	2.7	62
3	Surface Layer and Morphology of Lithium Metal Electrodes. Electrochemistry, 2016, 84, 854-860.	1.4	60
4	Sintering behavior and electrochemical properties of garnet-like lithium conductor Li6.25M0.25La3Zr2O12 (M: Al3+ and Ga3+). Solid State Ionics, 2017, 311, 69-74.	2.7	40
5	Phase relation, structure and ionic conductivity of Li_{7â˜xâ˜3y}Al_yLa₃Zr_{2â˜x}Ta_xO₁₂. RSC Advances, 2016, 6, 78210-78218.	3.6	36
6	Synthesis, Structure and Ionic Conductivity of Garnet Like Lithium Ion Conductor Li_{6.25+}_xGa_{0.25}La₃₋_xSr_xZr₂O₁₂. Journal of the Electrochemical Society, 2019, 166, A5168-A5173.	2.9	15
7	Synthesis, crystal structure, and ionic conductivity of tunnel structure phosphates, RbMg1â˜xH2x(PO3)3Â·y(H2O). Journal of Materials Chemistry A, 2013, 1, 15544.	10.3	13
8	Syntheses, structures, and ionic conductivities of perovskite-structured lithiumâ€“strontiumâ€“aluminum/galliumâ€“tantalum-oxides. Journal of Solid State Chemistry, 2015, 225, 431-437.	2.9	11
9	Mechanistic Insights into Visible Light-Induced Direct Hydroxylation of Benzene to Phenol with Air and Water over Pt-Modified WO3 Photocatalyst. Catalysts, 2020, 10, 557.	3.5	10
10	High Specific Energy Density Aqueous Lithium-Metal Chloride Rechargeable Batteries. Journal of the Electrochemical Society, 2017, 164, A1958-A1964.	2.9	9
11	Arrangement of water molecules and high proton conductivity of tunnel structure phosphates, KMg_{1â˜x}H_{2x}(PO₃)₃Â·yH₂O. RSC Advances, 2020, 10, 7803-7811.	3.6	5
12	Proton conductivity in mixed cation phosphate, KMg_{1â˜x}H_{2x}(PO₃)Â·yH₂O, with a layered structure at low-intermediate temperatures. Dalton Transactions, 2021, 50, 7678-7685.	3.3	4
13	High proton conductivity of NaMg_{1â˜x}Li_xH_x(PO₃)₃Â·yH₂O with a three-dimensional open framework in the intermediate temperature range. Materials Advances, 2021, 2, 6603-6612.	5.4	4
14	Synthesis, Crystal Structure, and Electrochemical Properties of Li_{1.2+}_xMn_{0.3}Co_{0.2}Ni_{0.3}O₂ (x > 0) for Lithium-ion Battery Cathodes. Electrochemistry, 2015, 83, 820-823.	1.4	3
15	Synthesis and Proton Conductivity of the Mixed Cation Phosphate, KCo_{1â˜<i>x</i>}H_{2<i>x</i>}(PO₃)<sub> with a with a One-dimensional Tunnel Structure. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 99-103.	0.2	1