Sou Taminato

List of Publications by Year
in descending order

30 papers	652 citations	687363 13 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	1283 citing authors

#	Article	IF	Citations
1	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
2	Influence of Chemical Composition and Domain Morphology of Li₂MnO₃ on Battery Properties. Batteries and Supercaps, 2021, 4, 493-503.	4.7	3
3	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
4	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
5	Reactions of the Li₂MnO₃ Cathode in an All-Solid-State Thin-Film Battery during Cycling. ACS Applied Materials & Interfaces, 2021, 13, 7650-7663.	8.0	13
6	Investigation of the Difference in Charge/Discharge Resistance for Cathode Materials after Cycle Test Combined with STEM-EELS and XAFS Analysis. Journal of the Electrochemical Society, 2021, 168, 040533.	2.9	0
7	Lithium metal deposition/dissolution under uniaxial pressure with high-rigidity layered polyethylene separator. RSC Advances, 2020, 10, 17805-17815.	3.6	17
8	Synthesis of NASICON type Li_{1.4}Al_{0.4}Ge_{0.2}Ti_{1.4}(PO₄)₃ solid electrolyte by rheological phase method. Journal of Asian Ceramic Societies, 2020, 8, 476-483.	2.3	9
9	LISICON-Based Amorphous Oxide for Bulk-Type All-Solid-State Lithium-Ion Battery. ACS Applied Energy Materials, 2020, 3, 3220-3229.	5.1	43
10	Ex-situ Analysis of Lithium Distribution in a Sulfide-based All-solid-state Lithium Battery by Particle-induced X-ray and Gamma-ray Emission Measurements. Electrochemistry, 2020, 88, 45-49.	1.4	6
11	A hydrated strontium cobalt oxyhydroxide Ruddlesdenâ€“Popper phase as an oxygen electrocatalyst for aqueous lithiumâ€“oxygen rechargeable batteries. Chemical Communications, 2019, 55, 7454-7457.	4.1	11
12	Thin Film All-solid-state Battery Using Li₂MnO₃ Epitaxial Film Electrode. Chemistry Letters, 2019, 48, 192-195.	1.3	25
13	Interfacial Atomic Structures of Single-Phase Li₂MnO₃Thin Film with Superior Initial Charge-Discharge Behavior. Journal of the Electrochemical Society, 2018, 165, A55-A60.	2.9	12
14	Fabrication and charge-discharge reaction of all solid-state lithium battery using Li4-2Ge1-S O4 electrolyte. Solid State Ionics, 2018, 326, 52-57.	2.7	23
15	Minimizing the Grain Boundary Resistance of Li-Ion-Conducting Oxide Electrolyte by Controlling Liquid-Phase Formation During Sintering. ACS Applied Energy Materials, 2018, 1, 6303-6311.	5.1	10
16	Reversible Structural Changes and High-Rate Capability of Li₃PO₄-Modified Li₂RuO₃ for Lithium-Rich Layered Rocksalt Oxide Cathodes. Journal of Physical Chemistry C, 2018, 122, 16607-16612.	3.1	8
17	Neutron reflectometry analysis of Li₄Ti₅O₁₂/organic electrolyte interfaces: characterization of surface structure changes and lithium intercalation properties. Journal of Materials Research, 2016, 31, 3142-3150.	2.6	10
18	Lithium intercalation in the surface region of an LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂ cathode through different crystal planes. RSC Advances, 2016, 6, 78963-78969.	3.6	9

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19	Real-time observations of lithium battery reactionsâ€"operando neutron diffraction analysis during practical operation. Scientific Reports, 2016, 6, 28843.	3.3	101
20	Lithium intercalation and structural changes at the LiCoO2 surface under high voltage battery operation. Journal of Power Sources, 2016, 307, 599-603.	7.8	37
21	Control of the Phase Fractions in Layered Rock Salt and Spinel-Type Li-(Mn,Co,Ni)-O Epitaxial Thin Films: a Model Blended Cathode System for Lithium Batteries. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2015, 62, 531-537.	0.2	3
22	Structureâ€"property relationships in lithium superionic conductors having a Li₁₀GeP₂S₁₂-type structure. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 727-736.	1.1	46
23	Reversible lithium intercalation in a lithium-rich layered rocksalt Li2RuO3 cathode through a Li3PO4 solid electrolyte. Journal of Power Sources, 2015, 300, 413-418.	7.8	17
24	Mechanistic studies on lithium intercalation in a lithium-rich layered material using Li₂RuO₃epitaxial film electrodes and in situ surface X-ray analysis. Journal of Materials Chemistry A, 2014, 2, 17875-17882.	10.3	24
25	Epitaxial growth and lithium ion conductivity of lithium-oxide garnet for an all solid-state battery electrolyte. Dalton Transactions, 2013, 42, 13112.	3.3	114
26	Fabrication and electrochemical properties of LiMn2O4/SrRuO3 multi-layer epitaxial thin film electrodes. Journal of Power Sources, 2013, 226, 340-345.	7.8	53
27	Characterization of Nano-Sized Epitaxial Li4Ti5O12(110) Film Electrode for Lithium Batteries. Electrochemistry, 2012, 80, 800-803.	1.4	13
28	Oxygen Evolution and Reduction Reactions on La0.8Sr0.2CoO3 (001), (110), and (111) Surfaces in an Alkaline Solution. Electrochemistry, 2012, 80, 834-838.	1.4	35
29	Water-stable high lithium-ion conducting Li1.4Al0.4Ge0.2Ti1.4(PO4)3-TiO2-LiClâ€¢H2Oâ€"epoxy resin composite film with high mechanical strength as separator for Li-air batteries. Journal of Solid State Electrochemistry, 0, , 1.	2.5	1
30	Solid-State Lithium-Air Batteries. ACS Symposium Series, 0, , 249-265.	0.5	0