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	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
2	Real-time observations of lithium battery reactionsâ€"operando neutron diffraction analysis during practical operation. Scientific Reports, 2016, 6, 28843.	3.3	101
3	Fabrication and electrochemical properties of LiMn2O4/SrRuO3 multi-layer epitaxial thin film electrodes. Journal of Power Sources, 2013, 226, 340-345.	7.8	53
4	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
5	LISICON-Based Amorphous Oxide for Bulk-Type All-Solid-State Lithium-Ion Battery. ACS Applied Energy Materials, 2020, 3, 3220-3229.	5.1	43
6	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
7	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
8	Thin Film All-solid-state Battery Using Li₂MnO₃ Epitaxial Film Electrode. Chemistry Letters, 2019, 48, 192-195.	1.3	25
9	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
10	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
11	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
12	Lithium metal deposition/dissolution under uniaxial pressure with high-rigidity layered polyethylene separator. RSC Advances, 2020, 10, 17805-17815.	3.6	17
13	Characterization of Nano-Sized Epitaxial Li4Ti5O12(110) Film Electrode for Lithium Batteries. Electrochemistry, 2012, 80, 800-803.	1.4	13
14	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
15	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
16	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
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	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Influence of Chemical Composition and Domain Morphology of Li₂MnO₃ on Battery Properties. Batteries and Supercaps, 2021, 4, 493-503.	4.7	3
27	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
28	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
29	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
30	Solid-State Lithium-Air Batteries. ACS Symposium Series, 0, , 249-265.	0.5	0