Atsushi Inoishi

List of Publications by Year
in descending order

33 papers	486 citations	759233 12 h-index	713466 21 g-index
36 all docs	36 docs citations	36 times ranked	549 citing authors

#	Article	IF	Citations
1	High capacity of an Feâ€“air rechargeable battery using LaGaO3-based oxide ion conductor as an electrolyte. Physical Chemistry Chemical Physics, 2012, 14, 12818.	2.8	55
2	Improvement in the Energy Density of Na₃V₂(PO₄)₃ by Mg Substitution. ChemElectroChem, 2017, 4, 2755-2759.	3.4	46
3	Feâ€“air rechargeable battery using oxide ion conducting electrolyte of Y2O3 stabilized ZrO2. Journal of Power Sources, 2013, 229, 12-15.	7.8	41
4	A Singleâ€Phase, Allâ€Solidâ€State Sodium Battery Using Na_{3â^’}<i>_x</i>V_{2â^’}<i>_x</i>Zr<i>_x</i>(PO₄)<sub>3</sub as the Cathode, Anode, and Electrolyte. Advanced Materials Interfaces, 2017, 4, 1600942.	3.7	41
5	Mgâ€“air oxygen shuttle batteries using a ZrO2-based oxide ion-conducting electrolyte. Chemical Communications, 2013, 49, 4691.	4.1	35
6	Niâ€“Feâ€“Ce(Mn,Fe)O2 cermet anode for rechargeable Feâ€“Air battery using LaGaO3 oxide ion conductor as electrolyte. RSC Advances, 2013, 3, 3024.	3.6	31
7	Improved cycle stability of Feâ€“air solid state oxide rechargeable battery using LaGaO3-based oxide ion conductor. Journal of Power Sources, 2014, 262, 310-315.	7.8	26
8	A rechargeable Siâ€“air solid state oxygen shuttle battery incorporating an oxide ion conductor. Journal of Materials Chemistry A, 2013, 1, 15212.	10.3	25
9	Oxidation rate of Fe and electrochemical performance of Feâ€“air solid oxide rechargeable battery using LaGaO3 based oxide ion conductor. RSC Advances, 2013, 3, 8820.	3.6	25
10	A single-phase all-solid-state lithium battery based on Li_{1.5}Cr_{0.5}Ti_{1.5}(PO₄)₃ for high rate capability and low temperature operation. Chemical Communications, 2018, 54, 3178-3181.	4.1	14
11	Exploring Factors Limiting Three-Na⁺ Extraction from Na₃V₂(PO₄)₃. Electrochemistry, 2020, 88, 457-462.	1.4	14
12	Proton-Driven Intercalation and Ion Substitution Utilizing Solid-State Electrochemical Reaction. Journal of the American Chemical Society, 2017, 139, 17987-17993.	13.7	13
13	Singleâ€Phase Allâ€Solidâ€State Lithiumâ€Ion Battery Using Li₃V₂(PO₄)₃ as the Cathode, Anode, and Electrolyte. ChemistrySelect, 2017, 2, 7925-7929.	1.5	12
14	Characteristics of YCoO₃-type perovskite oxide and application as an SOFC cathode. Journal of Materials Chemistry A, 2021, 9, 3584-3588.	10.3	12
15	Allâ€Solidâ€State Chlorideâ€Ion Battery with Inorganic Solid Electrolyte. ChemElectroChem, 2021, 8, 4441-4444.	3.4	12
16	Double Columnar Structure with a Nanogradient Composite for Increased Oxygen Diffusivity and Reduction Activity. Advanced Energy Materials, 2014, 4, 1400783.	19.5	11
17	High capacity all-solid-state lithium battery enabled by <i>in situ</i> formation of an ionic conduction path by lithiation of MgH₂. RSC Advances, 2022, 12, 10749-10754.	3.6	10
18	Discharge Performance of Solidâ€State Oxygen Shuttle Metalâ€“Air Battery Using Caâ€Stabilized ZrO₂ Electrolyte. ChemSusChem, 2015, 8, 1264-1269.	6.8	9

#	Article	IF	Citations
19	A dense La(Sr)Fe(Mn)O_{3â^'Î´} nano-film anode for intermediate-temperature solid oxide fuel cells. Journal of Materials Chemistry A, 2015, 3, 3586-3593.	10.3	7
20	Evaluation of isotope diffusion coefficient and surface exchange coefficient of ScSZ series oxide by oxygen isotope exchange method. Solid State Ionics, 2017, 301, 156-162.	2.7	7
21	Effect of Ni/Fe ratio on the performance and stability of the Fe-air rechargeable battery using a La0.9Sr0.1Ga0.8Mg0.2O3 electrolyte. International Journal of Hydrogen Energy, 2014, 39, 21352-21357.	7.1	6
22	The <i>in situ</i> formation of an electrolyte <i>via</i> the lithiation of Mg(BH₄)₂ in an all-solid-state lithium battery. Chemical Communications, 2021, 57, 2605-2608.	4.1	6
23	Lithiumâ€"Air Oxygen Shuttle Battery with a ZrO₂â€Based Ionâ€Conducting Oxide Electrolyte. ChemPlusChem, 2015, 80, 359-362.	2.8	4
24	Electrochemical Performance and Thermal Stability of Iron Oxyfluoride (FeOF) for Sodium-Ion Batteries. Batteries, 2018, 4, 68.	4.5	4
25	Effect of Li₃BO₃ addition to NASICON-type single-phase all-solid-state lithium battery based on Li_{1.5}Cr_{0.5}Ti_{1.5}(PO₄)₃. Journal of the Ceramic Society of Japan, 2019, 127, 18-21.	1.1	4
26	Effect of Na₃BO₃ Addition into Na₃V₂(PO₄)₃ Single-Phase All-Solid-State Batteries. Electrochemistry, 2021, 89, 244-249.	1.4	4
27	Development of electrically conductive ZrO2-CaO-Fe2O3-V2O5 glass and glass-ceramics as a new cathode active material for Na-ion batteries with high performance. Journal of Alloys and Compounds, 2022, 899, 163309.	5.5	4
28	Singleâ€phase Allâ€solidâ€state Silver Battery using Ag_{1.5}Cr_{0.5}Ti_{1.5}(PO₄)₃ as Anode, Cathode, and Electrolyte. ChemistrySelect, 2018, 3, 9965-9968.	1.5	3
29	An Allâ€Solidâ€State Bromideâ€Ion Battery. ChemElectroChem, 2021, 8, 246-249.	3.4	2
30	A Bicontinuous Nanostructure Induced in Lithiated Iron Fluoride Electrodes of Lithium-ion Batteries Investigated by Small-Angle X-ray Scattering. Electrochemistry, 2022, 90, 077007-077007.	1.4	2
31	Eldfellite-type cathode material, NaV(SO₄)₂, for Na-ion batteries. Materials Advances, 2022, 3, 6993-7001.	5.4	1
32	Lithium-Air Oxygen Shuttle Battery with a ZrO2-Based Ion-Conducting Oxide Electrolyte. ChemPlusChem, 2015, 80, 256-256.	2.8	0
33	Effect of Na₃BO₃ Addition into Na₃V₂(PO₄)₃ Single-Phase All-Solid-State Batteries (Vol. 89, No. 3, 244â€"249). Electrochemistry, 2022, 90, 019001-019001.	1.4	0