Ayuko Kitajou

List of Publications by Year
in descending order

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28 papers	767 citations	623734 14 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1328 citing authors

#	Article	IF	Citations
1	Discharge/charge reaction mechanism of a pyrite-type FeS2 cathode for sodium secondary batteries. Journal of Power Sources, 2014, 247, 391-395.	7.8	145
2	Effect of Concentrated Electrolyte on Aqueous Sodium-ion Battery with Sodium Manganese Hexacyanoferrate Cathode. Electrochemistry, 2017, 85, 179-185.	1.4	106
3	Electrolyte dependence of the performance of a Na2FeP2O7//NaTi2(PO4)3 rechargeable aqueous sodium-ion battery. Journal of Power Sources, 2016, 327, 327-332.	7.8	72
4	Novel synthesis and electrochemical properties of perovskite-type NaFeF3 for a sodium-ion battery. Journal of Power Sources, 2012, 198, 389-392.	7.8	66
5	Improvement in the Energy Density of Na₃V₂(PO₄)₃ by Mg Substitution. ChemElectroChem, 2017, 4, 2755-2759.	3.4	46
6	Synthesis of FeOF using roll-quenching method and the cathode properties for lithium-ion battery. Journal of Power Sources, 2013, 243, 494-498.	7.8	44
7	A Singleâ€Phase, Allâ€Solidâ€State Sodium Battery Using Na_{3â^’}_xV_{2â^’}_xZr_x(PO₄)₃ as the Cathode, Anode, and Electrolyte. Advanced Materials Interfaces, 2017, 4, 1600942.	4.7	44
8	Improvement of Cathode Properties by Lithium Excess in Disordered Rocksalt Li₂₊₂_xMn_{1−}_xTi_{1−}_xO₂. Electrochemistry, 2016, 84, 597-600.	1.4	30
9	Cathode Properties of Perovskite-type NaMF3 (M= Fe, Mn, and Co) Prepared by Mechanical Ball Milling for Sodium-ion Battery. Electrochimica Acta, 2017, 245, 424-429.	5.2	24
10	Electrochemical Performance of a Novel Cathode material “LiFeOF” for Li-ion Batteries. Electrochemistry, 2015, 83, 885-888.	1.4	19
11	Local structure of a highly concentrated NaClO4 aqueous solution-type electrolyte for sodium ion batteries. Physical Chemistry Chemical Physics, 2020, 22, 26452-26458.	2.8	18
12	Discharge and Charge Reaction of Perovskite-type <i>M</i>F₃ (<i>M</i> = Fe and Ti) Cathodes for Lithium-ion Batteries. Electrochemistry, 2017, 85, 472-477.	1.4	17
13	Cathode Properties of Na3FePO4CO3 Prepared by the Mechanical Ball Milling Method for Na-ion Batteries. Scientific Reports, 2020, 10, 3278.	3.3	15
14	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
15	Amorphous xLiF-FeSO4 (1â€¯â‰¥â€¯xâ€¯â‰¥â€¯2) composites as a cathode material for lithium ion batteries. Solid State Ionics, 2018, 326, 48-51.	2.7	14
16	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
17	Amorphous xNaF-FeSO₄ Systems (1 â‰¥ x â‰¥ 2) with Excellent Cathode Properties for Sodium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 5968-5974.	5.1	12
18	Discharge Reaction Mechanisms in Na/FeS₂ Batteries: First-Principles Calculations. Journal of the Physical Society of Japan, 2015, 84, 124709.	1.6	11

#	Article	IF	Citations
19	Electrochemical properties of titanium fluoride with high rate capability for lithium-ion batteries. Journal of Power Sources, 2019, 419, 1-5.	7.8	11
20	Synthesis and Electrochemical Properties of Fe₃C-carbon Composite as an Anode Material for Lithium-ion Batteries. Electrochemistry, 2017, 85, 630-633.	1.4	10
21	Cathode Properties of Na3MnPO4CO3 Prepared by the Mechanical Ball Milling Method for Na-Ion Batteries. Energies, 2019, 12, 4534.	3.1	8
22	TiO2-entrained tubular carbon nanofiber and its electrochemical properties in the rechargeable Na-ion battery system. Applied Thermal Engineering, 2014, 72, 309-314.	6.0	7
23	Cathode properties of FeF3â€“V2O5 Glass/C for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 856, 157449.	5.5	7
24	First-Principles Study of X-Ray Absorption Spectra in NaFeSO₄F for Exploring Na-Ion Battery Reactions. Journal of the Physical Society of Japan, 2019, 88, 124709.	1.6	6
25	Electrochemical Performance and Thermal Stability of Iron Oxyfluoride (FeOF) for Sodium-Ion Batteries. Batteries, 2018, 4, 68.	4.5	4
26	Capacity improvement by deficit of transition metals in inverse spinel LiNi1/3Co1/3Mn1/3VO4 cathodes. Journal of Power Sources, 2016, 302, 240-246.	7.8	3
27	Thermal Characteristics of Conversion-Type FeOF Cathode in Li-ion Batteries. Batteries, 2017, 3, 33.	4.5	3
28	Enhanced electrochemical performance of Li_{2.72}Na_{0.31}MnPO₄CO₃as a cathode material in â€œwater-in-saltâ€•electrolytes. Chemical Communications, 2021, 57, 12840-12843.	4.1	2