

Takayuki Yamamoto

List of Publications by Year in descending order

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citations

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841
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge/discharge Properties of a Sn ₄ P ₃ Negative Electrode in Ionic Liquid Electrolyte for Na-Ion Batteries. ACS Energy Letters, 2017, 2, 1139-1143.	17.4	101
2	Charge/discharge behavior of tin negative electrode for a sodium secondary battery using intermediate temperature ionic liquid sodium bis(fluorosulfonyl)amide/potassium bis(fluorosulfonyl)amide. Journal of Power Sources, 2012, 217, 479-484.	7.8	83
3	Physicochemical and Electrochemical Properties of K[N(SO ₂ F) ₂] ₂ [N-Methyl-N-propylpyrrolidinium][N(SO ₂ F) ₂] ₂ Ionic Liquids for Potassium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 18450-18458.		
4	Charge/discharge behavior of a Na ₂ FeP ₂ O ₇ positive electrode in an ionic liquid electrolyte between 253 and 363 K. Electrochimica Acta, 2014, 133, 583-588.	5.2	57
5	Application of Ionic Liquid as K-Ion Electrolyte of Graphite//K ₂ Mn[Fe(CN) ₆] Cell. ACS Energy Letters, 2020, 5, 2849-2857.	17.4	51
6	Improved cyclability of Sn/Cu film electrode for sodium secondary battery using inorganic ionic liquid electrolyte. Electrochimica Acta, 2014, 135, 60-67.	5.2	36
7	Room-Temperature Fluoride Shuttle Batteries Based on a Fluorohydrogenate Ionic Liquid Electrolyte. ACS Applied Energy Materials, 2019, 2, 6153-6157.	5.1	32
8	Thermodynamic studies on Sn/Na alloy in an intermediate temperature ionic liquid NaFSA/KFSA at 363 K. Journal of Power Sources, 2013, 237, 98-103.	7.8	28
9	Electrochemical behavior of Sn/Fe alloy film negative electrodes for a sodium secondary battery using inorganic ionic liquid Na[FSA]/K[FSA]. Electrochimica Acta, 2016, 211, 234-244.	5.2	24
10	Tin negative electrodes using an FSA-based ionic liquid electrolyte: improved performance of potassium secondary batteries. Chemical Communications, 2020, 56, 2538-2541.	4.1	24
11	Structural and Electrochemical Properties of Hard Carbon Negative Electrodes for Sodium Secondary Batteries Using the Na[FSA]–[C₃C₁pyrr][FSA] Ionic Liquid Electrolyte. Electrochemistry, 2017, 85, 391-396.	1.4	18
12	Highly Conductive Ionic Liquid Electrolytes for Potassium-Ion Batteries. Journal of Chemical & Engineering Data, 2021, 66, 1081-1088.	1.9	17
13	Probing the Mechanism of Improved Performance for Sodium-ion Batteries by Utilizing Three-electrode Cells: Effects of Sodium-ion Concentration in Ionic Liquid Electrolytes. Electrochemistry, 2019, 87, 175-181.	1.4	16
14	Comparative Study of M[N(SO ₂ F)(SO ₂ CF ₃)] ₂ [N-Butyl-N-methylpyrrolidinium][N(SO ₂ F)(SO ₂ CF ₃)] (M = Li, Tj ETQg0 0 0 rgBT /Overlo	2.8	15
15	Potassiation and Depotassiation Properties of Sn₄P₃ Electrode in an Ionic-Liquid Electrolyte. Electrochemistry, 2019, 87, 333-335.	1.4	14
16	Charge/Discharge Behavior of Graphite Negative Electrodes in FSA-Based Ionic Liquid Electrolytes: Comparative Study of Li-, Na-, K-Ion Systems. Journal of the Electrochemical Society, 2022, 169, 050507.	2.9	14
17	Charge/discharge behavior of Sn/Ni alloy film electrodes in an intermediate temperature ionic liquid for the electrolyte of a sodium secondary battery. Electrochimica Acta, 2016, 193, 275-283.	5.2	13
18	Charge/Discharge Performance of Copper Metal Positive Electrodes in Fluorohydrogenate Ionic Liquids for Fluoride-Shuttle Batteries. Journal of the Electrochemical Society, 2021, 168, 040530.	2.9	12

#	ARTICLE	IF	CITATIONS
19	Iron(III) fluoride synthesized by a fluorolysis method and its electrochemical properties as a positive electrode material for lithium secondary batteries. <i>Journal of Fluorine Chemistry</i> , 2016, 184, 75-81.	1.7	11
20	In situ synchrotron X-ray diffraction study of the electrochemical reduction of SiO ₂ in molten CaCl ₂ . <i>Electrochemistry Communications</i> , 2020, 115, 106740.	4.7	11
21	Raman Analysis and Electrochemical Reduction of Silicate Ions in Molten NaCl-CaCl ₂ . <i>Journal of the Electrochemical Society</i> , 2021, 168, 046515.	2.9	9
22	Next-generation Rechargeable Batteries Utilizing Ionic Liquids and Various Charge Carriers. <i>Electrochemistry</i> , 2022, 90, 101005-101005.	1.4	4
23	Electrodeposition of Si from Silicate Ions at Graphite and Liquid Zn Electrodes in Molten CaCl ₂ . <i>Journal of the Electrochemical Society</i> , 2022, 169, 052506.	2.9	2
24	FTA-Based Ionic Liquids: Promising Electrolytes for Alkali Metal-Ion Secondary Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2939-2939.	0.0	0