

Yasuhiko Iwadate

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Densities and Refractive Indices of Molten Alkali Iodides: Estimation of Electronic Polarizability of an Iodide Ion. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5240-5248.	1.9	2
2	Molecular Dynamics Simulation of Water Confinement in Disordered Aluminosilicate Subnanopores. <i>Scientific Reports</i> , 2018, 8, 3761.	3.3	17
3	Molecular Dynamics Simulations of the Thermal and Transport Properties of Molten NaNO_2 – NaNO_3 Systems. <i>Electrochemistry</i> , 2018, 86, 104-108.	1.4	3
4	New Insights into the Cs Adsorption on Montmorillonite Clay from ^{133}Cs Solid-State NMR and Density Functional Theory Calculations. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9326-9337.	2.5	13
5	Magnesian Reduction of Silicon Dioxide to Obtain Fine Silicon Powder in Molten Salt Media: Analysis of Reduction Mechanism. <i>Electrochemistry</i> , 2018, 86, 198-201.	1.4	8
6	Insights from ab initio molecular dynamics simulations for a multicomponent oxide glass. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1122-1134.	3.8	21
7	Electronic Polarisability of NaNO_2 – NaNO_3 and NaOH – NaNO_3 Ionic Melts and Effective Ionic Radius of $\text{OH}^{1/4}$. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 71-76.	1.5	1
8	Electrical Conductivity of Molten DyCl_3 - NaCl and DyCl_3 - KCl Systems: An Approach to Structural Interpretations of Rare Earth Chloride Melts. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 1105-1112.	1.5	0
9	ab initio Molecular Dynamics Simulations and GIPAW NMR Calculations of a Lithium Borate Glass Melt. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3582-3590.	2.6	15
10	Structures and Properties of Rare-Earth Molten Salts. <i>Fundamental Theories of Physics</i> , 2014, 44, 87-168.	0.3	3
11	Time-dependent Born charges of lithium borate melts by ab initio molecular dynamics. <i>Chemical Physics Letters</i> , 2014, 612, 68-72.	2.6	1
12	The Local Structure of Liquid TiCl_4 Analyzed by X-Ray Diffraction and Raman Spectroscopy. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2013, 68, 66-72.	1.5	2
13	Raman Spectroscopic Study of Rare Earth Chlorides in Alkali Chloride Eutectic Melts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 765-769.	1.2	22
14	Understanding properties of copoly(arylene ether nitrile)s high-performance polymer electrolyte membranes for fuel cells from molecular dynamics simulations. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 555-561.	1.4	3
15	Local Structure Analyses of Molten Lanthanum Trichloride-Alkali Chloride Ternary Systems: Approaches from Fundamentals to Pyrochemical Reprocessing. <i>Electrochemistry</i> , 2009, 77, 736-740.	1.4	8
16	Pulsed Neutron Diffraction Study of NaNO_2 and KNO_2 Pure Melts. <i>Electrochemistry</i> , 2009, 77, 741-744.	1.4	2
17	Molecular dynamics simulation on the short-range structure of ZnBr_2 – ZnCl_2 melt. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 414-417.	4.0	3
18	Evolution of local structure in Ag_2O – TeO_2 glasses with addition of Ag_2O analyzed by pulsed neutron diffraction and Raman spectroscopy. <i>Journal of Alloys and Compounds</i> , 2005, 389, 229-233.	5.5	6

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19	High Temperature La-L _{III} ; XAFS Analysis of LaCl ₃ and LaOCl. Electrochemistry, 2005, 73, 710-714.	1.4	2
20	Raman Spectroscopic Study of Ionic Association in Molten LaCl ₃ and Molten CsCl-NaCl Mixtures. Electrochemistry, 2005, 73, 936-938.	1.4	4
21	Local structure of ZnBr ₂ -KBr melts analyzed by X-ray diffraction, Raman spectroscopy, and molecular orbital calculation. Journal of Non-Crystalline Solids, 2002, 312-314, 424-427.	3.1	6
22	Molecular dynamics simulation on the short-range structure of molten ZnBr ₂ -NaBr and ZnBr ₂ -KBr. Journal of Non-Crystalline Solids, 2002, 312-314, 428-432.	3.1	6
23	XAFS study of molten zinc dibromide. Journal of Non-Crystalline Solids, 2002, 312-314, 450-453.	3.1	10
24	Electronic polarizabilities of Sr ²⁺ and Ba ²⁺ estimated from refractive indexes and molar volumes of molten SrCl ₂ and BaCl ₂ . Journal of Alloys and Compounds, 2002, 339, 309-316.	5.5	14
25	Pulsed neutron diffraction study on the short range structure of B ₂ O ₃ -Ag ₂ O glasses. Journal of Alloys and Compounds, 2001, 327, 121-126.	5.5	9
26	X-ray diffraction study on the short-range structure of K ₂ O-TeO ₂ glasses and melts. Journal of Alloys and Compounds, 2000, 311, 153-158.	5.5	7
27	Complexation and Ionic Arrangement in Na ₃ ErCl ₆ and K ₃ ErCl ₆ Melts Analyzed by X-ray Diffraction. Electrochemistry, 1999, 67, 553-557.	1.4	3
28	Internal Cation Mobilities in Molten (K, Dy _{1/3})Cl. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 45-50.	1.5	15
29	Internal Cation Mobilities in the Molten Binary Systems (K, Dy) _{1/3} Cl and (K, Dy) _{1/3} Cl ₃ and (K, Dy) _{1/3} Cl ₃ and (K, Dy) _{1/3} Cl ₃ . Electrochemical Society, 1996, 143, 334-339.	2.9	12
30	Melting behaviour in hexagonal CeCl ₃ and monoclinic ErCl ₃ crystals. Journal of Molecular Liquids, 1995, 65-66, 369-372.	4.9	15
31	Electronic polarizability of a fluoride ion estimated by refractive indexes and molar volumes of molten eutectic LiF-NaF-KF. Journal of Chemical Physics, 1995, 103, 6300-6302.	3.0	11
32	X-Ray Diffraction Study on the Local Structure of Molten ErCl ₃ . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 811-814.	1.5	24
33	Structure of Molten DyCl ₃ and Equimolecular DyCl ₃ -NaCl.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 459-464.	0.1	7
34	Raman Spectra of Molten GdCl ₃ -KCl and GdCl ₃ -NaCl.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 471-474.	0.1	20
35	Surface Tension Around Eutectic Compositions of Molten Alkali Carbonate Mixtures. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 675-677.	1.5	4
36	Preparation of Garnet-Type Gd ₃ Al ₅ O ₁₂ Powders by an Amorphous Citrate Process. Journal of the Ceramic Society of Japan, 1992, 100, 1381-1383.	1.3	3

