Yasuhiko Iwadate

List of Publications by Year
in descending order

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		759233	888059
47	381	12	17
papers	citations	h-index	g-index

47	47	47	322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	X-Ray Diffraction Study on the Local Structure of Molten ErCl₃. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 811-814.	1.5	24
2	Raman Spectroscopic Study of Rare Earth Chlorides in Alkali Chloride Eutectic Melts. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 765-769.	1.2	22
3	Density and heat capacity of molten sodium nitrite-potassium nitrate mixtures. Journal of Chemical & Engineering Data, 1982, 27, 288-290.	1.9	21
4	Insights from abÂinitio molecular dynamics simulations for a multicomponent oxide glass. Journal of the American Ceramic Society, 2018, 101, 1122-1134.	3.8	21
5	Raman Spectra of Molten GdCl3-KCl and GdCl3-NaCl.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 471-474.	0.1	20
6	Molecular Dynamics Simulation of Water Confinement in Disordered Aluminosilicate Subnanopores. Scientific Reports, 2018, 8, 3761.	3.3	17
7	Melting behaviour in hexagonal CeCl3 and monoclinic ErCl3 crystals. Journal of Molecular Liquids, 1995, 65-66, 369-372.	4.9	15
8	Internal Cation Mobilities in Molten (K, Dy1/3)Cl. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 45-50.	1.5	15
9	Ab Initio Molecular Dynamics Simulations and GIPAW NMR Calculations of a Lithium Borate Glass Melt. Journal of Physical Chemistry B, 2016, 120, 3582-3590.	2.6	15
10	Electronic polarizabilities of Sr2+ and Ba2+ estimated from refractive indexes and molar volumes of molten SrCl2 and BaCl2. Journal of Alloys and Compounds, 2002, 339, 309-316.	5.5	14
11	Preparation of Hydroxyapatite Powder Using a Freeze-Drying Method. Journal of the Ceramic Association Japan, 1987, 95, 825-827.	0.2	13
12	New Insights into the Cs Adsorption on Montmorillonite Clay from 133Cs Solid-State NMR and Density Functional Theory Calculations. Journal of Physical Chemistry A, 2018, 122, 9326-9337.	2.5	13
13	Molar volumes of the molten sodium nitrate-potassium nitrate-sodium nitrite system. Journal of Chemical & Engineering Data, 1985, 30, 274-276.	1.9	12
14	Internal Cation Mobilities in the Molten Binary Systems â€‰(â€‰â€‰Yâ€‰â€‰,â€‰Laâ€‰)â€‰Cl3 and â€‰(â€‰â€‰Yâ€‰â€‰â€ Electrochemical Society, 1996, 143, 334-339.	2.9	12
15	Electronic polarizability of a fluoride ion estimated by refractive indexes and molar volumes of molten eutectic LiFâ€“NaFâ€“KF. Journal of Chemical Physics, 1995, 103, 6300-6302.	3.0	11
16	Refractive Indices and Polarizabilities of Several Molten Rare Earth Chlorides. Bulletin of the Chemical Society of Japan, 1978, 51, 3107-3110.	3.2	10
17	XAFS study of molten zinc dibromide. Journal of Non-Crystalline Solids, 2002, 312-314, 450-453.	3.1	10
18	Pulsed neutron diffraction study on the short range structure of B2O3â€“Ag2O glasses. Journal of Alloys and Compounds, 2001, 327, 121-126.	5.5	9

#	Article	IF	Citations
19	Local Structure Analyses of Molten Lanthanum Trichloride-Alkali Chloride Ternary Systems: Approaches from Fundamentals to Pyrochemical Reprocessing. Electrochemistry, 2009, 77, 736-740.	1.4	8
20	Magnesiothermic Reduction of Silicon Dioxide to Obtain Fine Silicon Powder in Molten Salt Media: Analysis of Reduction Mechanism. Electrochemistry, 2018, 86, 198-201.	1.4	8
21	æ³¢é¢åˆ†å‰²å¹²æ¸‰æ³•ã«ã‚ˆã‚‹KNO3-NaNO2ç³»æ··å•æº¶èžå¡©ã®ç†±åŽŸçŽ‡ã®æ¸¬å®š. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1982, 1982, 969-976.	0.1	7
22	Structure of Molten DyCl3 and Equimolecular DyCl3-NaCl.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 459-464.	0.1	7
23	X-ray diffraction study on the short-range structure of K2Oâ€“TeO2 glasses and melts. Journal of Alloys and Compounds, 2000, 311, 153-158.	5.5	7
24	Local structure of ZnBr2â€“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
25	Molecular dynamics simulation on the short-range structure of molten ZnBr2â€“NaBr and ZnBr2â€“KBr. Journal of Non-Crystalline Solids, 2002, 312-314, 428-432.	3.1	6
26	Evolution of local structure in Ag2Oâ€“TeO2 glasses with addition of Ag2O analyzed by pulsed neutron diffraction and Raman spectroscopy. Journal of Alloys and Compounds, 2005, 389, 229-233.	5.5	6
27	Polarization phenomenon in molten MgCl2-KCl and MgCl2-NaCl. Chemical Physics Letters, 1984, 110, 643-647.	2.6	5
28	Densification of Lead Selenide and Lead Sulfide by Hot Isostatic Pressing. Journal of the American Ceramic Society, 1990, 73, 140-141.	3.8	5
29	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
30	Raman Spectroscopic Study of Ionic Association in Molten LaCl₃ and Molten CsCl-NaCl Mixtures. Electrochemistry, 2005, 73, 936-938.	1.4	4
31	Thermal behaviour and HIP treatment of lead telluride. Journal of Materials Science Letters, 1989, 8, 1174-1176.	0.5	3
32	Preparation of Garnet-Type Gd₃Al₅O₁₂ Powders by an Amorphous Citrate Process. Journal of the Ceramic Society of Japan, 1992, 100, 1381-1383.	1.3	3
33	Molecular dynamics simulation on the short-range structure of ZnBr2â€“ZnCl2 melt. Journal of Physics and Chemistry of Solids, 2005, 66, 414-417.	4.0	3
34	Understanding properties of copoly(arylene ether nitrile)s high-performance polymer electrolyte membranes for fuel cells from molecular dynamics simulations. Theoretical Chemistry Accounts, 2011, 130, 555-561.	1.4	3
35	Structures and Properties of Rare-Earth Molten Salts. Fundamental Theories of Physics, 2014, 44, 87-168.	0.3	3
36	Molecular Dynamics Simulations of the Thermal and Transport Properties of Molten NaNO₂â€“NaNO₃ Systems. Electrochemistry, 2018, 86, 104-108.	1.4	3

#	Article	IF	Citations
37	Complexation and Ionic Arrangement in Na₃ErCl₆ and K₃ErCl₆ Melts Analyzed by X-ray Diffraction. Electrochemistry, 1999, 67, 553-557.	1.4	3
38	Sinterability of Alumina Prepared by Thermal Decomposition of Al-iso-Propoxide. Journal of the Ceramic Association Japan, 1987, 95, 828-830.	0.2	2
39	Pulsed Neutron Diffraction Study of NaNO2 and KNO2 Pure Melts. Electrochemistry, 2009, 77, 741-744.	1.4	2
40	The Local Structure of Liquid TiCl4 Analyzed by X-Ray Diffraction and Raman Spectroscopy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 66-72.	1.5	2
41	Densities and Refractive Indices of Molten Alkali Iodides: Estimation of Electronic Polarizability of an Iodide Ion. Journal of Chemical & Engineering Data, 2020, 65, 5240-5248.	1.9	2
42	High Temperature La-L_{III} XAFS Analysis of LaC₃ and LaOCl. Electrochemistry, 2005, 73, 710-714.	1.4	2
43	X-ray structural analysis of a multicomponent borosilicate glass. Journal of Materials Science Letters, 1989, 8, 1079-1081.	0.5	1
44	Time-dependent Born charges of lithium borate melts by ab initio molecular dynamics. Chemical Physics Letters, 2014, 612, 68-72.	2.6	1
45	Electronic Polarisability of NaNO₂â€“NaNO₃ and NaOHâ€“NaNO₃ Ionic Melts and Effective Ionic Radius of OH^{ï¼}. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 71-76.	1.5	1
46	Densification of Gallium Arsenide by HIP Treatment. Journal of the Ceramic Society of Japan, 1990, 98, 117-119.	1.3	0
47	Electrical Conductivity of Molten DyCl3-NaCl and DyCl3-KCl Systems: An Approach to Structural Interpretations of Rare Earth Chloride Melts. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 1105-1112.	1.5	0