Akihiko Kajinami

List of Publications by Year
in descending order

54	1,452	394421 19	315739 38
papers	citations	h-index	g-index

54	54	54	1399
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Titanium (IV) Oxide Thin Films Prepared from Aqueous Solution. Chemistry Letters, 1996, 25, 433-434.	1.3	220
2	Preparation and characterization of polymer thin films containing silver and silver sulfide nanoparticles. Thin Solid Films, 2000, 359, 55-60.	1.8	158
3	Preparation and characterization of iron oxyhydroxide and iron oxide thin films by liquid-phase deposition. Journal of Materials Chemistry, 1997, 7, 1769-1772.	6.7	90
4	Preparation and characterization of Au-dispersed TiO2 thin films by a liquid-phase deposition method. Journal of Materials Chemistry, 1996, 6, 1879.	6.7	83
5	Preparation and characterization of copper(I) oxide nanoparticles dispersed in a polymer matrix. Journal of Materials Chemistry, 1998, 8, 1865-1868.	6.7	83
6	Studies on PVdF-based gel polymer electrolytes. Journal of Power Sources, 2000, 88, 269-273.	7.8	77
7	Monitoring the growth of titanium oxide thin films by the liquid-phase deposition method with a quartz crystal microbalance. Journal of Materials Chemistry, 1997, 7, 733-736.	6.7	70
8	Liquid-Phase Infiltration (LPI) Process for the Fabrication of Highly Nano-Ordered Materials. Chemistry of Materials, 2004, 16, 1747-1750.	6.7	56
9	Synthesis and characterization of nano-sized gold-palladium bimetallic particles dispersed in polymer thin film matrix. Scripta Materialia, 1999, 11, 59-65.	0.5	52
10	Growth of metal oxide thin films from aqueous solution by liquid phase deposition method. Solid State Ionics, 2002, 151, 1-9.	2.7	49
11	Fabrication of nano-structured materials from aqueous solution by liquid phase deposition. Journal of Electroanalytical Chemistry, 2005, 584, 38-43.	3.8	33
12	Novel Fabrication of High-Quality ZrO2 Ceramic Thin Films from Aqueous Solution. Journal of the American Ceramic Society, 2005, 88, 2923-2927.	3.8	30
13	Synthesis and luminescence property of Eu3+/ZrO2 thin film by the liquid phase deposition method. Journal of Alloys and Compounds, 2006, 408-412, 711-716.	5.5	28
14	An electrochemical investigation on polyvinylidene fluoride-based gel polymer electrolytes. Solid State Ionics, 1999, 126, 285-292.	2.7	26
15	Novel fabrication method for Si1 â˜' xTixO2 thin films with graded composition profiles by liquid phase deposition. Journal of Materials Chemistry, 2001, 11, 984-986.	6.7	24
16	Fabrication of high performance thin films from metal fluorocomplex aqueous solution by the liquid phase deposition. Journal of Fluorine Chemistry, 2003, 120, 157-163.	1.7	22
17	Nanofabrication of metal oxide thin films and nano-ceramics from aqueous solution. Journal of Materials Chemistry, 2004, 14, 3127.	6.7	22
18	Fabrication and characterization of Pt nanoparticles dispersed in Nb2O5 composite films by liquid phase deposition. Journal of Materials Chemistry, 2002, 12, 1495-1499.	6.7	21

#	Article	IF	Citations
19	Properties of CaCl2hydrate with an inorganic powder. Part 2.â€"Melting behaviour and thermodynamic properties of CaCl2Â·nH2O (n= 6.00â€"7.35) with Î±-Al2O3or Î±-SiC powder. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3811-3815.	1.7	20
20	Diffuse reflectance FT-IR spectroscopic study of interactions of Î±-Al2O3/molten alkali nitrate coexisting systems. Journal of Colloid and Interface Science, 2003, 268, 413-424.	9.4	19
21	The dispersion of Au nanoparticles in SiO2/TiO2 layered films by the liquid phase deposition (LPD) method. Thin Solid Films, 2005, 491, 86-90.	1.8	19
22	The Electrical Conductivity of Solid/Liquid Coexisting Systems: Aqueous Solution System. Journal of the Electrochemical Society, 1992, 139, 996-1000.	2.9	18
23	Aqueous solution-based synthesis of rare earth-doped metal oxide thin films. Thin Solid Films, 2004, 460, 83-86.	1.8	18
24	The Structural Analysis of Zinc Borate Glass by Laboratory EXAFS and X-Ray Diffraction Measurements. Japanese Journal of Applied Physics, 1999, 38, 132.	1.5	17
25	The Electrical Conductivity of Solid/Liquid Coexisting Systems: Composition Dependence of the Electrical Conductivity. Journal of the Electrochemical Society, 1992, 139, 1544-1548.	2.9	16
26	Properties of CaCl2hydrate with an inorganic powder. Part 1.â€"Electrical conductivity of CaCl2Â·nH2O (n= 6.00â€"7.35) with Î±-Al2O3powder. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3805-3810.	1.7	16
27	Composition dependence of local structure in lanthanoborate glasses. Journal of Alloys and Compounds, 2006, 408-412, 1238-1241.	5.5	15
28	Effect of solid surface on vibrational modes of solution in solid/liquid hetero-phase system. Journal of Molecular Liquids, 1999, 83, 179-189.	4.9	14
29	Preparation and characterization of Au/Co nano-alloys. Journal of Electroanalytical Chemistry, 2003, 559, 99-102.	3.8	14
30	Microstructure and electron transport properties of AuxCo1Âˆ'Âxnano-alloys embedded in polyacrylonitrile thin films. Journal of Materials Chemistry, 2002, 12, 2408-2411.	6.7	12
31	The structural analysis of manganese borate glass by high-energy X-ray diffraction measurement. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 34-37.	1.4	12
32	Preparation of Au nanoparticle dispersed Nb2O5 composite film by liquid phase deposition. Journal of Electroanalytical Chemistry, 2003, 559, 91-98.	3.8	12
33	Different effects of alkyl sulfate and alkylbenzene sulfonate surfactants on the synthesis and properties of CuPc/TiO2 composite films by the liquid-phase deposition (LPD) method. Synthetic Metals, 2004, 146, 17-27.	3.9	12
34	Fabrication and characterization of PAN-derived carbon thin films containing Au nanoparticles. Thin Solid Films, 2002, 408, 59-63.	1.8	11
35	Fabrication and Structural Control of Fe/Ti Oxide Thin Films with Graded Compositional Profiles by Liquid Phase Deposition. Journal of the American Ceramic Society, 2005, 88, 731-736.	3.8	11
36	Structural Change of Ionic Species in the Î±-Al2O3 Powder/CoCl2 Aqueous Solution System. Journal of Colloid and Interface Science, 1993, 159, 444-453.	9.4	9

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37	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
38	Electrical Conductivity of Solid/Liquid Coexisting Systems: Dependence of Electrical Conductivity on Surface Hydrophilicity. Journal of Colloid and Interface Science, 1994, 168, 198-205.	9.4	7
39	Preparation and characterization of metal nanoparticles dispersed in polyacrylonitrile thin film. Scripta Materialia, 2001, 44, 1879-1882.	5.2	7
40	Structural change of zinc chloride hydrate melt coexisting with porous solid materials. Studies in Surface Science and Catalysis, 2001, 132, 255-258.	1.5	4
41	Effect of mechanochemical inclusion of triamterene into sulfobutylether-Î²-cyclodextrin and its improved dissolution behavior. Drug Development and Industrial Pharmacy, 2021, 47, 535-541.	2.0	4
42	Raman Spectroscopic Study of Ionic Association in Molten LaCl₃ and Molten CsCl-NaCl Mixtures. Electrochemistry, 2005, 73, 936-938.	1.4	4
43	Structural Change of the Dissolved Species in α-Al₂O₃ Powder/NiC₂ Aqueous Solution Coexisting Systems. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1991, 1991, 1161-1166.	0.1	2
44	High Temperature La-L_{III} XAFS Analysis of LaC₃ and LaOCl. Electrochemistry, 2005, 73, 710-714.	1.4	2
45	Preparation and properties of non-crystalline alkali metal metatungstate hydrates.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1990, 1990, 615-620.	0.1	1
46	The Variaiton of Structure with Composition for Mixed Molten Hydrate. ECS Proceedings Volumes, 1999, 1999-41, 263-274.	0.1	1
47	In-situ observation technique of electrodeposition reaction by X-ray from synchrotron source. Progress in Nuclear Energy, 2011, 53, 930-934.	2.9	1
48	Structural Change of Sodium n-Alkanecarboxylate Hydrous Melts with Hydrophobicity of the Alkyl Group. ECS Proceedings Volumes, 1998, 1998-11, 521-526.	0.1	1
49	Raman Scattering for Hydrated Alkali Propionate Melt. Electrochemistry, 1999, 67, 558-562.	1.4	1
50	The effect of water content on the physical properties of alkali metal metatungstate hydrates.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1990, 1990, 255-260.	0.1	0
51	Surface Tension of Alkali-Metal Acetate Hydrated Melts. Materials Science Forum, 1991, 73-75, 33-36.	0.3	0
52	In Situ X-Ray Diffraction Measurement of Electrodeposition Process in Molten Salts. Materials Science Forum, 2005, 502, 335-338.	0.3	0
53	Structure of Intermediate-range Ordering in Sodium Carboxylate Melts. Electrochemistry, 2005, 73, 614-616.	1.4	0
54	MD Simulation of Molten (Na-2Cs)Cl Containing UO₂²⁺with Fixed Intraionic Charge Distribution. Electrochemistry, 2005, 73, 748-750.	1.4	0