

Tokuro Nanba

List of Publications by Year in descending order

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73
papers

1,243
citations

394421

19
h-index

377865

34
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74
all docs

74
docs citations

74
times ranked

1040
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination change of Te atoms in binary tellurite glasses. Journal of Non-Crystalline Solids, 1994, 177, 164-169.	3.1	133
2	X-ray photoelectron spectroscopy of sodium borosilicate glasses. Journal of Non-Crystalline Solids, 2001, 290, 1-14.	3.1	102
3	X-ray photoelectron spectroscopy of alkali tellurite glasses. Journal of Non-Crystalline Solids, 1997, 211, 64-71.	3.1	87
4	A theoretical interpretation of the chemical shift of ²⁹ Si NMR peaks in alkali borosilicate glasses. Geochimica Et Cosmochimica Acta, 2004, 68, 5103-5111.	3.9	74
5	X-ray diffraction study of microstructure of amorphous tungsten trioxide films prepared by electron beam vacuum evaporation. Journal of Solid State Chemistry, 1989, 83, 304-315.	2.9	69
6	Structural study of peroxopolytungstic acid prepared from metallic tungsten and hydrogen peroxide. Journal of Solid State Chemistry, 1991, 90, 47-53.	2.9	68
7	X-ray Diffraction Study of the Structure of Silicon Nitride Fiber Made from Perhydropolysilazane. Journal of the American Ceramic Society, 1991, 74, 654-657.	3.8	61
8	Structural study of amorphous WO ₃ thin films prepared by the ion exchange method. Journal of Materials Research, 1991, 6, 1324-1333.	2.6	53
9	Preparation, microstructure, and color tone of microtubule material composed of hematite/amorphous-silicate nanocomposite from iron oxide of bacterial origin. Dyes and Pigments, 2012, 95, 639-643.	3.7	40
10	X-Ray Photoelectron Spectroscopy of Alkali Silicate Glasses. Journal of the Ceramic Society of Japan, 1998, 106, 415-421.	1.3	39
11	Oriented surface crystallization of lithium niobate on glass and second harmonic generation. Journal of Non-Crystalline Solids, 1999, 259, 132-138.	3.1	35
12	Characterization of amorphous tungsten trioxide thin films prepared by rf magnetron sputtering method. Journal of Non-Crystalline Solids, 1994, 178, 233-237.	3.1	31
13	EXAFS of tellurium in the glasses of the B ₂ O ₃ TeO ₂ system. Journal of Non-Crystalline Solids, 1992, 142, 81-86.	3.1	30
14	Consideration on the Correlation between Basicity of Oxide Glasses and O1s Chemical Shift in XPS. Journal of the Ceramic Society of Japan, 2005, 113, 44-50.	1.3	30
15	Reflectivity and Electronic Structures of Layered Ionic Crystals (C _n H _{2n+1} NH ₃) ₂ CuCl ₄ :n=1, 2, 3. Journal of the Physical Society of Japan, 1992, 61, 2224-2226.	1.6	25
16	X-ray and neutron scattering study of the structure of lithium bismuth oxide glass. Journal of Non-Crystalline Solids, 2002, 297, 73-83.	3.1	22
17	Changes in atomic and electronic structures of amorphous WO ₃ films due to electrochemical ion insertion. Thin Solid Films, 2003, 445, 175-181.	1.8	22
18	Refractive-index profiles and propagation losses of Er ³⁺ -doped tungsten tellurite glass waveguide by Ag ⁺ Na ⁺ ion-exchange. Materials Letters, 2006, 60, 3413-3415.	2.6	21

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19	Amorphous structure of iron oxide of bacterial origin. <i>Materials Chemistry and Physics</i> , 2012, 137, 571-575.	4.0	21
20	Molecular dynamic simulation on the structure of sodium germanate glasses. <i>Journal of Non-Crystalline Solids</i> , 2000, 277, 188-206.	3.1	18
21	Amorphous tantalum and niobium oxide proton conductors derived from respective peroxy polyacids. <i>Solid State Ionics</i> , 1992, 53-56, 993-997.	2.7	13
22	Wavelet analysis of x-ray diffraction pattern for glass structures. <i>Physical Review B</i> , 1998, 58, 14279-14287.	3.2	13
23	Optical properties of Er ³⁺ -doped tungsten tellurite glass waveguides by Ag ⁺ Na ⁺ ion-exchange. <i>Optical Materials</i> , 2007, 30, 586-593.	3.6	13
24	X-ray Diffraction Study on the Framework Structure of Amorphous Tungsten Trioxide Films. <i>Journal of the Ceramic Society of Japan</i> , 1995, 103, 222-229.	1.3	12
25	Computer simulation on the structure and vibrational spectra in Ge _{1-x} Pb _x O _{1-xF} glass. <i>Journal of Non-Crystalline Solids</i> , 1994, 177, 131-136.	3.1	10
26	Intensified Photoluminescence of Eu ³⁺ in the Phase-Separated Borosilicate Glass. <i>Journal of the Ceramic Society of Japan</i> , 1998, 106, 1043-1047.	1.3	10
27	Chemical bonding state of sodium silicates. <i>Advances in Quantum Chemistry</i> , 2003, 42, 187-198.	0.8	9
28	Chemical recycling of inorganic wastes by using phase separation of glass. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 220-223.	1.1	9
29	Nano-Micrometer-Architectural Acidic Silica Prepared from Iron Oxide of <i>Leptothrix ochracea</i> Origin. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5194-5200.	8.0	9
30	Structure of amorphous Ta ₂ O ₅ · nH ₂ O derived from peroxy-polytantalate solution. <i>Journal of Solid State Chemistry</i> , 1991, 90, 102-108.	2.9	8
31	Structural analysis of AlF ₃ CaF ₂ YF ₃ glass by diffraction methods. <i>Journal of Non-Crystalline Solids</i> , 1992, 140, 249-254.	3.1	8
32	Chemical recycling of municipal waste slag by using phase separation. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 1195-1198.	1.1	8
33	Effect of Nb ₂ O ₅ addition to SnO ₂ P ₂ O ₅ glass. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 530-533.	1.1	8
34	Phase separation of borosilicate glass containing sulfur. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 603-607.	1.1	7
35	Surface crystallization of stoichiometric glass with Bi ₂ ZnB ₂ O ₇ crystal using ultrasonic surface treatment followed by heat treatment. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 509-512.	1.1	7
36	Ba addition to the high-T _c phase in the BiPbSrCaCuO system. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 190, 102-103.	1.2	6

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37	Photochromic properties of Cd-containing glasses. Journal of Non-Crystalline Solids, 1994, 178, 64-68.	3.1	6
38	Chemical Bonding State of Sulfur in Na ₂ S-SiO ₂ Glasses. Journal of the Ceramic Society of Japan, 1998, 106, 150-154.	1.3	6
39	Structural Change around Si Atoms in P ₂ O ₅ -SiO ₂ Binary Glasses before and after Annealing by ²⁹ Si MAS NMR Spectroscopy. Chemistry Letters, 2006, 35, 1268-1269.	1.3	6
40	Application of thin film diffractometer to structural study of amorphous thin films.. Analytical Sciences, 1989, 5, 257-262.	1.6	5
41	Network structure of AlF ₃ BaF ₂ CaF ₂ glass. Journal of Non-Crystalline Solids, 1992, 140, 269-274.	3.1	5
42	Thermochromism and Temperature Dependence of the Energy Gap in Cadmium Aluminum Bismuthate Glasses. Journal of the Ceramic Society of Japan, 1996, 104, 79-83.	1.3	5
43	Characterization of glasses based on basicity. Journal of the Ceramic Society of Japan, 2011, 119, 720-725.	1.1	5
44	Investigation of electronic structure of amorphous niobium oxide based on the density functional theory calculation of crystalline niobium pentoxide polymorphs. Journal of the Ceramic Society of Japan, 2016, 124, 1221-1225.	1.1	5
45	Monochromatic X-ray Photoelectron Spectroscopy of Glasses. Surface Charge Control.. Hyomen Kagaku, 1997, 18, 466-472.	0.0	5
46	X-Ray Diffraction Study of the Structure of Deposited Wo ₃ Films. Defect and Diffusion Forum, 1987, 53-54, 105-110.	0.4	4
47	Spin-coated Ta ₂ O ₅ ·nH ₂ O films derived from peroxo poly-tantalate solution. Solid State Ionics, 1990, 40-41, 903-905.	2.7	4
48	The influence of internal stress on the amorphous structure of wet-coated films derived from peroxopolytantalate solution. Thin Solid Films, 1991, 204, L5-L8.	1.8	4
49	CdTe microcrystallites doped in melt-quenched borosilicate glass. Journal of Materials Research, 1994, 9, 493-497.	2.6	4
50	Wavelet structural analysis of silica glasses manufactured by different methods. Journal of Non-Crystalline Solids, 1997, 222, 50-58.	3.1	4
51	Frequency doubling in gallium-lanthanum sulphide glass with surface crystallized Ga ₆ La ₁₀ /3S ₁₄ thin films. Applied Physics Letters, 1998, 73, 738-740.	3.3	4
52	Electron Paramagnetic Resonance Study of Positive-Hole Pairs on Oxide Ions in Lithium Bismuthate Glass. Chemistry Letters, 2001, 30, 156-157.	1.3	4
53	Structural analyses and reverse Monte Carlo modeling of niobium oxide amorphous film prepared by sputtering method. Journal of the Ceramic Society of Japan, 2017, 125, 760-765.	1.1	4
54	Correction Method for the X-Ray Diffraction Data Obtained by Thin Film Diffractometer. Defect and Diffusion Forum, 1987, 53-54, 439-444.	0.4	3

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55	XPS study of aluminum and fluoride ions in the system Al ₂ O ₃ ;CdO;PbO;ZnO;F ₂ . Materials Letters, 1992, 15, 264-267.	2.6	3
56	Photochromic Properties in Cadmium Bismuth Aluminate Glasses and Its Oxidation Treatment Effect. Journal of the Ceramic Society of Japan, 1997, 105, 322-328.	1.3	3
57	Photoluminescence increase of Er ³⁺ in Na ₂ O-Nb ₂ O ₅ -SiO ₂ glasses after crystallization. Journal of Non-Crystalline Solids, 1999, 259, 45-50.	3.1	3
58	Effect of additives on the distribution of phosphorus associated with phase separation of borosilicate glasses. Journal of the Ceramic Society of Japan, 2012, 120, 490-493.	1.1	3
59	Electrochemical and Photoelectrochemical Properties of Nano-Islands of Zinc and Niobium Oxides Deposited on Aluminum Thin Film by RF Magnetron Reactive Sputtering. Materials Sciences and Applications, 2015, 06, 292-309.	0.4	3
60	Preparation of Na ₂ S-B ₂ O ₃ -SiO ₂ Glass Systems and Local Structure Analysis. Journal of the Ceramic Society of Japan, 2006, 114, 697-704.	1.3	2
61	Prediction of glass structure by using multiple regression analysis. Journal of the Ceramic Society of Japan, 2012, 120, 98-103.	1.1	2
62	Structure and Photochromism of Al-Cd-O-F Glasses.. Zairyo/Journal of the Society of Materials Science, Japan, 1992, 41, 578-582.	0.2	2
63	Local structure around aluminium in the glasses of the system Al ₂ O ₃ -PbO-CdO. Journal of Materials Science Letters, 1993, 12, 935-938.	0.5	1
64	PHOTOLUMINESCENCE CHARACTERISTICS OF Eu ³⁺ DOPED IN PHASE SEPARATED BOROSILICATE GLASS. Zairyo/Journal of the Society of Materials Science, Japan, 1998, 47, 141-147.	0.2	1
65	PHOTOLUMINESCENCE ENHANCEMENT OF Er ³⁺ IN PHASE SEPARATED BOROSILICATE GLASSES. Zairyo/Journal of the Society of Materials Science, Japan, 1998, 47, 244-248.	0.2	1
66	Coloration and Depth Distribution of Cations Electrochemically-inserted into Electrochromic WO ₃ Thin Films. IOP Conference Series: Materials Science and Engineering, 2011, 18, 092039.	0.6	1
67	Distribution behavior of inorganic constituents in chemical recycling processes of a municipal waste slag. Journal of Asian Ceramic Societies, 2013, 1, 108-113.	2.3	1
68	Effect of bond valence sum on the structural modeling of lead borate glass. Journal of Non-Crystalline Solids, 2022, 592, 121751.	3.1	1
69	Photochromic Glasses in the System SrO-ZnO-Al ₂ O ₃ . Journal of the Ceramic Society of Japan, 1993, 101, 99-101.	1.3	0
70	Preparation and Properties of the ZrO ₂ -Dispersed MgO-Al ₂ O ₃ Ceramics (Part 3). Journal of the Ceramic Society of Japan, 1997, 105, 588-594.	1.3	0
71	Effect of Addition of Non-oxides on the Slag Corrosion Resistance of MgO-Al ₂ O ₃ Refractories. IOP Conference Series: Materials Science and Engineering, 2011, 18, 222015.	0.6	0
72	LOCAL STRUCTURE OF Eu ³⁺ IN BOROSILICATE GLASSES BY PHONON SIDEBAND SPECTRA. Zairyo/Journal of the Society of Materials Science, Japan, 1998, 47, 239-243.	0.2	0

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73	Eco-Benign Orange-Hued Pigment Derived from Aluminum-Enriched Biogenous Iron Oxide Sheaths. ACS Omega, 2022, 7, 12795-12802.	3.5	0