Tetsuaki Nishida

List of Publications by Year
in descending order

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80	1,020	394421	526287
papers	citations	19 h-index	27 g-index

82	82	82	260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Local structure, glass transition, structural relaxation, and crystallization of functional oxide glasses investigated by MÃ¶ssbauer spectroscopy and DTA. Journal of Materials Science: Materials in Electronics, 2021, 32, 23655-23689.	2.2	5
2	Local structure and conductivity of highly conductive vanadate glasses containing different metal oxides. Journal of Materials Science: Materials in Electronics, 2020, 31, 22881-22892.	2.2	3
3	119Sn and 57Fe MÓ§ssbauer study of highly conductive vanadate glass. Journal of Materials Science: Materials in Electronics, 2019, 30, 8847-8854.	2.2	4
4	Adsorption and Removal Technology for Cs⁺ in Aqueous Solution Using Poly-2-acrylamido-2-methyl-1-propanesolfonic acid (PAMPS) Hydrogel. Radioisotopes, 2019, 68, 331-337.	0.2	0
5	Structural relaxation and electrical conductivity of molybdovanadate glass. Journal of Materials Science: Materials in Electronics, 2018, 29, 2654-2659.	2.2	4
6	Effect of Substitutional Doping of Tin in Highly Conductive Barium Iron Vanadate Glass. Physica Status Solidi (A) Applications and Materials Science, 2018, 216, 1800157.	1.8	6
7	The relationship between SnII fraction and visible light activated photocatalytic activity of SnOxÂ·SiO2 glass studied by MÃ¶ssbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1859-1865.	1.5	3
8	Waste water purification using new porous ceramics prepared by recycling waste glass and bamboo charcoal. Applied Water Science, 2017, 7, 4281-4286.	5.6	5
9	Highly conductive barium iron vanadate glass containing different metal oxides. Pure and Applied Chemistry, 2017, 89, 419-428.	1.9	10
10	Visible-light activated photocatalytic effect of glass and glass ceramic prepared by recycling waste slag with hematite. Pure and Applied Chemistry, 2017, 89, 535-544.	1.9	13
11	Water purification using porous ceramics prepared by recycling volcanic ash and waste glass. Applied Water Science, 2017, 7, 4109-4115.	5.6	3
12	A relationship between electrical conductivity and structural relaxation of 10SnO₂·10Fe₂O₃·10P<sub>2&l heat-treatment. Journal of the Ceramic Society of Japan, 2015, 123, 121-128.	1.1	5
13	Photocatalytic effect and MÃ¶ssbauer study of iron titanium silicate glass prepared by sol-gel method. Hyperfine Interactions, 2015, 232, 51-58.	0.5	3
14	Characterization and Conduction Mechanism of Highly Conductive Vanadate Glass. Croatica Chemica Acta, 2015, 88, 427-435.	0.4	13
15	MÃ¶ssbauer study of conductive oxide glass. AIP Conference Proceedings, 2014, , .	0.4	4
16	MÃ¶ssbauer study of metallic iron and iron oxide nanoparticles having environmental purifying ability. , 2014, , .		3
17	57Fe-MÃ¶ssbauer study of electrically conductive alkaline iron vanadate glasses. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 453-459.	1.5	8
18	Visible light activated photo-catalytic effect and local structure of iron silicate glass prepared by sol-gel method. Hyperfine Interactions, 2014, 226, 747-753.	0.5	13

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19	Electrical conductivity and local structure of lithium iron tungsten vanadate glass. Hyperfine Interactions, 2014, 226, 755-763.	0.5	0
20	MÃ¶ssbauer study of new vanadate glass with large charge-discharge capacity. Hyperfine Interactions, 2014, 226, 765-770.	0.5	5
21	Local structure and water cleaning ability of iron oxide nanoparticles prepared by hydro-thermal reaction. Hyperfine Interactions, 2014, 226, 489-497.	0.5	1
22	Visible light activated catalytic effect of iron containing soda-lime silicate glass characterized by 57Fe-MÃ¶ssbauer spectroscopy. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 1-7.	1.5	12
23	Electrical conductivity and local structure of lithium tin iron vanadate glass. Hyperfine Interactions, 2013, 219, 141-145.	0.5	6
24	Enhancement of electrical conductivity and chemical durability of 20R2Oâ€¢10Fe2O3â€¢xWO3â€¢(70âˆ'x)V2O5 glass (R=Na, K) caused by structural relaxation. Journal of Non-Crystalline Solids, 2013, 378, 227-233.	3.1	12
25	Water cleaning ability and local structure of iron-containing soda-lime silicate glass. Hyperfine Interactions, 2013, 218, 41-45.	0.5	6
26	Decomposition mechanism of methylene blue caused by metallic iron-maghemite mixture. Hyperfine Interactions, 2013, 218, 47-52.	0.5	6
27	Effect of the structural change of an ironâ€“iron oxide mixture on the decomposition of trichloroethylene. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 23-30.	1.5	6
28	A Possibility of Heavy-Metal Recycling by Utilizing Hydrogels. Transactions of the Materials Research Society of Japan, 2012, 20thAnniv, 23-28.	0.2	1
29	Reclassification of CK chondrites confirmed by elemental analysis and Fe-MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2012, 208, 75-78.	0.5	1
30	Electrical conductivity and local structure of barium manganese iron vanadate glass. Hyperfine Interactions, 2012, 207, 61-65.	0.5	11
31	Mechanically strengthened new Hagi porcelain developed by controlling the chemical environment of iron. Hyperfine Interactions, 2012, 211, 173-180.	0.5	1
32	M^|^ouml;ssbauer Study of Water-Resistive Conductive Vanadate Glass. Radioisotopes, 2012, 61, 463-468.	0.2	15
33	Kadanoff-Baym Approach to Entropy Production inO(N) Theory with Next-to-Leading Order Self-Energy. Progress of Theoretical Physics, 2011, 126, 249-267.	2.0	4
34	A Possibility of Heavy-Metal Recycling by Utilizing Hydrogels. Transactions of the Materials Research Society of Japan, 2010, 35, 449-454.	0.2	5
35	Reduction of iron(III) in annealed asbestos/chrysotile. Hyperfine Interactions, 2008, 186, 161-166.	0.5	1
36	57Fe Moessbauer and DTA study of R2O 2FeO V2O5 P2O5 glasses (R = Li, Na). Journal of the Ceramic Society of Japan, 2008, 116, 637-640.	1.1	1

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37	Harmful-Heavy-Metal-Anion Adsorbing Property of Acrylamide/Dimethylaminoethylacrylatemethylchloride Gel. Transactions of the Materials Research Society of Japan, 2008, 33, 455-458.	0.2	4
38	Side-Chain Structural Effect of a Harmful-Heavy-Metal-Anion Adsorbing Gel. Transactions of the Materials Research Society of Japan, 2008, 33, 463-466.	0.2	4
39	A Possibility of Hydro gels as Environment Purifying Materials. Transactions of the Materials Research Society of Japan, 2008, 33, 369-372.	0.2	4
40	Selective Adsorption of Heavy Metal Cations and Anions from their Aqueous Solution Mixture with Hydrogels. Transactions of the Materials Research Society of Japan, 2008, 33, 459-461.	0.2	4
41	Crystallization and Structural Relaxation of xBaO (90-x)V2O5 10Fe2O3 Glasses Accompanying an Enhancement of the Elctric Conductivity. Journal of the Ceramic Society of Japan, 2007, 115, 776-779.	1.1	23
42	Utilization of Ion Capturing Property of Gels for Environmental Purification. Ferroelectrics, 2007, 348, 161-165.	0.6	2
43	Corelationship between local structure and water purifying ability of iron-containing waste glasses. Hyperfine Interactions, 2006, 166, 429-436.	0.5	6
44	Solidification of Hazardous Heavy Metal Ions with Soda-Lime Glass. Characterization of Iron and Zinc in the Waste Glass.. Journal of the Ceramic Society of Japan, 2000, 108, 245-248.	1.3	15
45	'Tg-.DELTA. Rule' Applied to Semiconducting Vanadate Glasses Containing Different Amounts of Fe2O3.. Journal of the Ceramic Society of Japan, 1999, 107, 408-412.	1.3	7
46	Heat-resistivity and Local Structure of New Nuclear Waste Glass Composed of Calcium Aluminate and Lead Phosphate. Radioisotopes, 1999, 48, 313-319.	0.2	5
47	Crystallization mechanism of aluminoferrate glass accompanying a precipitation of nanocrystals of dicalcium ferrite (Ca2Fe2O5) and mayenite (12CaOÂ·7Al2O3). Journal of Materials Chemistry, 1997, 7, 1801-1806.	6.7	29
48	Occupation of tungsten site by iron in sodium tungstate glasses. Journal of Non-Crystalline Solids, 1996, 194, 23-33.	3.1	30
49	Structural relaxation and crystallization of semiconducting vanadate glass accompanying a jump of the electrical conductivity. Journal of Materials Chemistry, 1996, 6, 1889.	6.7	25
50	Verification of the â€˜â€˜Tg-Î” Ruleâ€™â€™ in Potassium Silicate and Sodium Tungstate Glasses. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 620-626.	1.5	5
51	Coloration of Fluorophosphate Glasses Containing Fluorescein Molecules by Heat Treatment or Gamma Ray Irradiation. Japanese Journal of Applied Physics, 1995, 34, L507-L510.	1.5	2
52	Low-Temperature119Sn-MÃ¶ssbauer Study of Superconducting Bi4Sr3.5Ca2.5Cu4Sn0.015O16-yCeramic (2212 Phase). Japanese Journal of Applied Physics, 1992, 31, L471-L473.	1.5	9
53	Comparison of IR-Transmission Method with the Conventional DTA Method (Kissinger Plot) in the Crystallization Study of Iron Tellurite Glass. Bulletin of the Chemical Society of Japan, 1992, 65, 1927-1931.	3.2	18
54	FTIR Investigations of the crystallization of IR-transmitting glasses: application to calcium gallate glass. Journal of Materials Chemistry, 1992, 2, 733.	6.7	23

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55	Local Structure,Tg, and IR Transparency of Potassium Titanate Glasses and the Local Structure of Calcium Titanate Ceramics. Bulletin of the Chemical Society of Japan, 1991, 64, 154-160.	3.2	9
56	119Sn-MÃ¶ssbauer Study on the Normal Lattice Vibration of Superconducting Bi(Pb)2Sr2Ca2Cu3Sn0.015O10-y. Japanese Journal of Applied Physics, 1991, 30, L735-L738.	1.5	15
57	A Linear Relationship between the Glass Transition Temperature and Local Distortion of Calcium Gallate, Barium Gallate, and Calcium Aluminate Glasses. Bulletin of the Chemical Society of Japan, 1990, 63, 548-553.	3.2	29
58	Correlation between the structure and glass transition temperature of potassium, magnesium and barium tellurite glasses. Journal of Materials Science, 1990, 25, 3546-3550.	3.7	41
59	Precipitation of Mayenite in 60CaOÂ·35Al2O3Â·5Fe2O3Glass Annealed at Several Temperatures Below and Above the Glass Transition Temperature. Japanese Journal of Applied Physics, 1990, 29, 1293-1297.	1.5	22
60	Structural study of semiconducting and superionic conducting silver vanadate glasses. Journal of Materials Science, 1989, 24, 1687-1692.	3.7	17
61	Structural Study of Semiconducting Silver Vanadate Glasses by Means of Low-Temperature MÃ¶ssbauer Spectroscopy. Journal of the Ceramic Society of Japan, 1989, 97, 284-288.	1.3	9
62	MÃ¶ssbauer Spectroscopic Study of Superconducting Yâ€“Baâ€“Cu(Fe)â€“O Ceramics and Gamma-Ray Irradiation Effect. Bulletin of the Chemical Society of Japan, 1989, 62, 61-67.	3.2	13
63	Structural Study of Potassium Gallate Glasses by MÃ¶ssbauer Spectroscopy and Differential Thermal Analysis. Bulletin of the Chemical Society of Japan, 1988, 61, 2347-2351.	3.2	15
64	Structural Study of Lithium, Magnesium, and Barium Vanadate Glasses by Means of MÃ¶ssbauer Spectroscopy. Bulletin of the Chemical Society of Japan, 1988, 61, 2343-2346.	3.2	14
65	Structural Study of Na2Oâ€“TeO2Glasses by MÃ¶ssbauer Spectroscopy and Differential Thermal Analysis. Bulletin of the Chemical Society of Japan, 1988, 61, 4093-4097.	3.2	23
66	MÃ¶ssbauer and DTA Studies on the Structure of Semiconducting Sodium Vanadate Glasses. Bulletin of the Chemical Society of Japan, 1987, 60, 2887-2889.	3.2	18
67	MÃ¶ssbauer and DTA Studies of Semiconducting Potassium Vanadate Glasses Containing Iron. Bulletin of the Chemical Society of Japan, 1987, 60, 941-946.	3.2	24
68	Application of mÃ¶ssbauer spectroscopy to the structural study of semiconducting vanadate classes. Journal of Non-Crystalline Solids, 1987, 95-96, 241-246.	3.1	16
69	Application of MÃ¶ssbauer spectroscopy and DTA to a structural study of semiconducting P2O5-V2O5 glasses. Journal of Non-Crystalline Solids, 1987, 94, 229-237.	3.1	14
70	MÃ¶ssbauer and DTA Studies of K2SO4â€“ZnSO4â€“Fe2(SO4)3Glasses. Bulletin of the Chemical Society of Japan, 1986, 59, 2789-2794.	3.2	20
71	MÃ¶ssbauer, Raman, and DTA Studies on the Structure of BaF2â€“ZrF4â€“FeF2Glasses. Bulletin of the Chemical Society of Japan, 1985, 58, 2255-2259.	3.2	30
72	MÃ–SSBAUER STUDY OF KClâ€“ZnCl2â€“FeCl2GLASSES. Chemistry Letters, 1984, 13, 1683-1686.	1.3	4

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73	Structural Study of Germanate Glasses by119Sn MÃ¶ssbauer Spectroscopy. Bulletin of the Chemical Society of Japan, 1984, 57, 3566-3570.	3.2	32
74	MÃ¶ssbauer and ESR Studies of Potassium Borophosphate Glasses. Bulletin of the Chemical Society of Japan, 1983, 56, 439-442.	3.2	18
75	MÃ¶ssbauer spectroscopic study of potassium borate glasses at low temperatures. Journal of Non-Crystalline Solids, 1981, 43, 221-228.	3.1	36
76	MÃ¶ssbauer and ESR studies of non-bridging oxygens in potassium phosphate glasses. Journal of Non-Crystalline Solids, 1981, 43, 115-122.	3.1	40
77	MÃ¶ssbauer spectroscopic study of gamma-ray irradiated potassium phosphate glasses. Journal of Non-Crystalline Solids, 1981, 43, 123-128.	3.1	29
78	MÃ¶ssbauer Spectroscopic Study of Potassium Borosilicate Glasses at Low Temperatures. Bulletin of the Chemical Society of Japan, 1981, 54, 3735-3738.	3.2	25
79	MÃ¶ssbauer study of the fraction of non-bridging oxygens in potassium borate glasses. Journal of Non-Crystalline Solids, 1980, 41, 161-170.	3.1	38
80	MÃ¶ssbauer spectroscopic study of the formation of non-bridging oxygen in the potassium borate glasses. Journal of Non-Crystalline Solids, 1980, 37, 37-43.	3.1	46