

Toshiya Otomo

List of Publications by Year in descending order

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165
papers

3,334
citations

159585

30
h-index

197818

49
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173
all docs

173
docs citations

173
times ranked

4072
citing authors

#	ARTICLE	IF	CITATIONS
19	Hydrogen storage by earth-abundant metals, synthesis and characterization of Al ₃ FeH _{3.9} . <i>Materials and Design</i> , 2021, 208, 109953.	7.0	10
20	Direct Observation of Scattering Angle Dependence of the Inelasticity Effect on the Interference Term Obtained from Time-of-Flight Neutron Diffraction Experiments. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2800-2806.	3.2	4
21	Experimental Determination of Relationship between Intramolecular O—D Bond Length and Its Stretching Vibrational Frequency of D ₂ O Molecule in the Liquid State. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11285-11291.	2.6	5
22	Suppression of the Phase Coexistence of the fcc–fcc Transition in Hafnium-Hydride Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10969-10974.	4.6	6
23	Polar nano-region structure in the oxynitride perovskite LaTiO ₂ N. <i>Chemical Communications</i> , 2020, 56, 1385-1388.	4.1	7
24	Structural and electrochemical features of (Li ₂ S) (Si ₂) ₁₀₀ superionic glasses. <i>Solid State Ionics</i> , 2020, 344, 115141.	2.7	10
25	Rational Synthesis for a Noble Metal Carbide. <i>Journal of the American Chemical Society</i> , 2020, 142, 1247-1253.	13.7	15
26	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. <i>Nature Communications</i> , 2020, 11, 5923.	12.8	20
27	Structural Investigation of Sulfonated Polyphenylene Ionomers for the Design of Better Performing Proton-Conductive Membranes. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5558-5565.	4.4	24
28	Reversible thermally controlled spontaneous magnetization switching in perovskite-type manganite. <i>Applied Physics Letters</i> , 2020, 117, 112404.	3.3	3
29	Structural and Electrochemical Properties of Tysonite Ce _{0.95} A _{0.05} F _{2.95} (A = Mg, Ca, Sr, and Ba): Fast-Fluoride-Ion-Conducting Solid Electrolytes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18452-18461.	3.1	12
30	Crystal Structural Investigations for Understanding the Hydrogen Storage Properties of YMgNi ₄ -Based Alloys. <i>ACS Omega</i> , 2020, 5, 31192-31198.	3.5	22
31	Structural Studies of Hydrogen Storage Materials with Neutron Diffraction: A Review. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 051001.	1.6	7
32	Titanium Hydride Complex BaCa ₂ Ti ₂ H ₁₄ with 9-Fold Coordination. <i>Inorganic Chemistry</i> , 2020, 59, 4228-4233.	4.0	6
33	Experimental Visualization of Interstitialcy Diffusion Pathways in Fast-Fluoride-Ion-Conducting Solid Electrolyte Ba _{0.6} La _{0.4} F _{2.4} . <i>ACS Applied Energy Materials</i> , 2020, 3, 2873-2880.	5.1	22
34	Ultralow thermal conductivity from transverse acoustic phonon suppression in distorted crystalline $\sqrt{2}\times\sqrt{2}$ -MgAgSb. <i>Nature Communications</i> , 2020, 11, 942.	12.8	44
35	Dihydrogen Bonds in Aqueous NaBD ₄ Solution by Neutron and X-ray Diffraction. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1622-1628.	4.6	11
36	High-pressure Synthesis of Ba ₂ CoO ₂ Ag ₂ Te ₂ with Extended CoO ₂ Planes. <i>Inorganic Chemistry</i> , 2020, 59, 8121-8126.	4.0	9

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37	Strong lattice anharmonicity exhibited by the high-energy optical phonons in thermoelectric material. <i>New Journal of Physics</i> , 2020, 22, 083083.	2.9	11
38	Solvation Structure of Li^+ in Concentrated Acetonitrile and N,N -Dimethylformamide Solutions Studied by Neutron Diffraction with $^6\text{Li}/^7\text{Li}$ Isotopic Substitution Methods. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10456-10464.	2.6	9
39	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in $(\text{Gd,Ho})(\text{Co,Fe})_2$. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3146-3151.	6.0	6
40	Facile Synthesis of LiH -Stabilized Face-Centered-Cubic YH_3 High-Pressure Phase by Ball Milling Process. <i>Inorganic Chemistry</i> , 2019, 58, 13102-13107.	4.0	5
41	Characteristic fast H^+ ion conduction in oxygen-substituted lanthanum hydride. <i>Nature Communications</i> , 2019, 10, 2578.	12.8	70
42	Solvation Structure of Li^+ in Methanol and 2-Propanol Solutions Studied by ATR-IR and Neutron Diffraction with $^6\text{Li}/^7\text{Li}$ Isotopic Substitution Methods. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4967-4975.	2.6	2
43	Structural and Thermodynamic Studies of Hydrogen Absorption/Desorption Processes on PdPt Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9471-9478.	3.1	3
44	Origin of the Difference in Ion-Water Distances Determined by X-ray and Neutron Diffraction Measurements for Aqueous NaCl and KCl Solutions. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 754-767.	3.2	6
45	A complex hydride lithium superionic conductor for high-energy-density all-solid-state lithium metal batteries. <i>Nature Communications</i> , 2019, 10, 1081.	12.8	252
46	Nephelauxetic effect of the hydride ligand in $\text{Sr}_2\text{LiSiO}_4\text{H}$ as a host material for rare-earth-activated phosphors. <i>RSC Advances</i> , 2019, 9, 5282-5287.	3.6	15
47	Zeolitic Intermetallics: LnNiSi ($\text{Ln} = \text{La}\text{--}\text{Nd}$). <i>Journal of the American Chemical Society</i> , 2019, 141, 3376-3379.	13.7	27
48	Average and local structures of β -phase CeZrO_4 crystals by neutron powder diffraction. <i>CrystEngComm</i> , 2019, 21, 6335-6339.	2.6	1
49	Hydrogen Release Reaction of a Complex Transition Metal Hydride with Covalently Bound Hydrogen and Hydride Ions. <i>ChemPhysChem</i> , 2019, 20, 1392-1397.	2.1	5
50	Neutron Diffraction Study on the Structure of Hydrated Li^+ in Dilute Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1695-1701.	2.6	25
51	Graphene-based ordered framework with a diverse range of carbon polygons formed in zeolite nanochannels. <i>Carbon</i> , 2018, 129, 854-862.	10.3	70
52	Structural Variation of Self-Organized Mg Hydride Nanoclusters in Immiscible Ti Matrix by Hydrogenation. <i>Inorganic Chemistry</i> , 2018, 57, 11831-11838.	4.0	11
53	Neutron Diffraction Study on Partial Pair Correlation Functions of Water at Ambient Temperature. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1586-1595.	3.2	9
54	Elastic and dynamical structural properties of La and Mn-doped SrTiO_3 studied by neutron scattering and their relation with thermal conductivities. <i>Scientific Reports</i> , 2018, 8, 9651.	3.3	7

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55	AgFeOF ₂ : A Fluorine-Rich Perovskite Oxyfluoride. Inorganic Chemistry, 2018, 57, 6686-6691.	4.0	20
56	Phase transition in CaFeAsH: bridging 1111 and 122 iron-based superconductors. Dalton Transactions, 2018, 47, 12964-12971.	3.3	1
57	Insights from ab initio molecular dynamics simulations for a multicomponent oxide glass. Journal of the American Ceramic Society, 2018, 101, 1122-1134.	3.8	21
58	Neutron total scattering used for the structure analysis of carbon materials. Tanso, 2018, 2018, 217-221.	0.1	0
59	Analysis of Prepeak Structure of Concentrated Organic Lithium Electrolyte by Means of Neutron Diffraction with Isotopic Substitution and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2017, 121, 5355-5362.	2.6	17
60	Large Magnetovolume Effect Induced by Embedding Ferromagnetic Clusters into Antiferromagnetic Matrix of Cobaltite Perovskite. Advanced Materials, 2017, 29, 1605991.	21.0	21
61	Large-moment antiferromagnetic order in overdoped high- <i>T_c</i> superconductor ¹⁵⁴ SmFeAsO <i>1-x</i> D <i>x</i> . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4354-E4359.	7.1	26
62	Mechanical synthesis and structural properties of the fast fluoride-ion conductor PbSnF ₄ . Journal of Solid State Chemistry, 2017, 253, 287-293.	2.9	28
63	Formation of novel transition metal hydride complexes with ninefold hydrogen coordination. Scientific Reports, 2017, 7, 44253.	3.3	32
64	In-situ powder neutron diffraction study on the formation process of LaMg ₂ NiH ₇ . International Journal of Hydrogen Energy, 2017, 42, 22449-22453.	7.1	13
65	Ferrimagnetic Cage Framework in Ca ₁₂ Fe ₁₀ Si ₄ O ₃₂ Cl ₆ . Inorganic Chemistry, 2017, 56, 566-572.	4.0	1
66	Cubic Fluorite-Type CaH ₂ with a Small Bandgap. Journal of the American Chemical Society, 2017, 139, 11317-11320.	13.7	8
67	Local Structure of Li ⁺ in Concentrated Ethylene Carbonate Solutions Studied by Low-Frequency Raman Scattering and Neutron Diffraction with ⁶ Li/ ⁷ Li Isotopic Substitution Methods. Journal of Physical Chemistry B, 2017, 121, 10979-10987.	2.6	23
68	Transformation of the Chromium Coordination Environment in LaCrAsO Induced by Hydride Doping: Formation of La ₂ Cr ₂ As ₂ OyH _x . Inorganic Chemistry, 2017, 56, 13642-13645.	4.0	4
69	Alternative Equation on Magnetic Pair Distribution Function for Quantitative Analysis. Journal of the Physical Society of Japan, 2017, 86, 124708.	1.6	8
70	Materials and Life Science Experimental Facility at the Japan Proton Accelerator Research Complex III: Neutron Devices and Computational and Sample Environments. Quantum Beam Science, 2017, 1, 10.	1.2	16
71	Materials and Life Science Experimental Facility (MLF) at the Japan Proton Accelerator Research Complex II: Neutron Scattering Instruments. Quantum Beam Science, 2017, 1, 9.	1.2	69
72	Local Structural Analysis of Half-Metallic Ferromagnet CrO ₂ . Journal of the Physical Society of Japan, 2016, 85, 094709.	1.6	2

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73	Metallic Intermediate Hydride Phase of LaMg_2Ni with Ni-H Covalent Bonding: Precursor State for Complex Hydride Formation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5926-5931.	3.1	16
74	Microscopic Structure of Contact Ion Pairs in Concentrated LiCl - and LiClO_4 -Tetrahydrofuran Solutions Studied by Low-Frequency Isotropic Raman Scattering and Neutron Diffraction with $^6\text{Li}/^7\text{Li}$ Isotopic Substitution Methods. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4668-4678.	2.6	13
75	Nanometer-Size Effect on Hydrogen Sites in Palladium Lattice. <i>Journal of the American Chemical Society</i> , 2016, 138, 10238-10243.	13.7	62
76	Effect of a Quenching Rate on Hydrogen Storage Properties of $\text{V}_{0.79}\text{Ti}_{0.2}\text{Zr}_{0.01}$. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015, 79, 131-136.	0.4	0
77	Structure Analysis by High Intensity Neutron Total Diffractometer NOVA. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2015, 66, 653-657.	0.2	0
78	An Anti CuO_2 -type Metal Hydride Square Net Structure in $\text{Ln}_2\text{M}_2\text{As}_2\text{H}_x$ ($\text{Ln}=\text{La}$ or Sm , $\text{M}=\text{Ti}$, V , Cr , or Mn). <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2932-2935.	13.8	13
79	The Design and <i>q</i> Resolution of the Small and Wide Angle Neutron Scattering Instrument (TAIKAN) in J-PARC. , 2015, , .		44
80	True Boundary for the Formation of Homoleptic Transition-Metal Hydride Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5650-5653.	13.8	38
81	An Anti CuO_2 -type Metal Hydride Square Net Structure in $\text{Ln}_2\text{M}_2\text{As}_2\text{H}_x$ ($\text{Ln}=\text{La}$ or Sm , $\text{M}=\text{Ti}$, V , Cr , or Mn). <i>Angewandte Chemie</i> , 2015, 127, 2975-2978.	2.0	5
82	The Control Software Framework of the Web Base. , 2015, , .		3
83	New LaMAsH_x ($\text{M} = \text{Co}$, Ni , or Cu) Arsenides with Covalent M-H Chains. <i>Journal of the American Chemical Society</i> , 2014, 136, 17390-17393.	13.7	2
84	Neutron Diffraction Study on the Structure of Aqueous LiNO_3 Solutions. <i>Journal of Solution Chemistry</i> , 2014, 43, 1588-1600.	1.2	16
85	Hydrogen Ordering and New Polymorph of Layered Perovskite Oxyhydrides: $\text{Sr}_2\text{VO}_4\text{H}_x$. <i>Journal of the American Chemical Society</i> , 2014, 136, 7221-7224.	13.7	63
86	Local atomic structural investigations of precursory phenomenon of the hydrogen release from LiAlD_4 . <i>Journal of Alloys and Compounds</i> , 2014, 586, 244-247.	5.5	6
87	Local Structural Analysis on Decomposition Process of $\text{LiAl}(\text{ND}_2)_4$. <i>Materials Transactions</i> , 2014, 55, 1129-1133.	1.2	11
88	Visualization of conduction pathways in lithium superionic conductors: $\text{Li}_2\text{S-P}_2\text{S}_5$ glasses and $\text{Li}_7\text{P}_3\text{S}_{11}$ glass-ceramic. <i>Chemical Physics Letters</i> , 2013, 584, 113-118.	2.6	40
89	From antiferromagnetic insulator to ferromagnetic metal: Effects of hydrogen substitution in LaMnAsO . <i>Physical Review B</i> , 2013, 87, .	3.2	35
90	Visibility Estimation for Neutron Resonance Absorption Radiography using a Pulsed Neutron Source. <i>Physics Procedia</i> , 2013, 43, 111-120.	1.2	20

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91	Magnetic Structure and Electromagnetic Properties of LnCrAsO with a ZrCuSiAs-type Structure (Ln = Tj, Er, Yb, Dy, Ho, Tb, Gd, Eu, Sm, Nd, Pr, Ce, La). <i>Journal of the Physical Society of Japan</i> , 2013, 82, 094601.	1.6	14
92	Local Lattice Distortion Caused by Short Range Charge Ordering in LiMn_2O_4 . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 094601.	1.6	14
93	Publisher's Note: From antiferromagnetic insulator to ferromagnetic metal: Effects of hydrogen substitution in LaMnAsO [Phys. Rev. B87, 020401(R) (2013)]. <i>Physical Review B</i> , 2013, 87, .	3.2	0
94	Development Status of Software "Utsusemi" for Chopper Spectrometers at MLF, J-PARC. <i>Journal of the Physical Society of Japan</i> , 2013, 82, SA031.	1.6	172
95	Structural Evidence for High Ionic Conductivity of $\text{Li}_7\text{P}_3\text{S}_{11}$ Metastable Crystal. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 044802.	1.6	26
96	Stability of neutron beam monitor for High Intensity Total Diffractometer at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 672, 75-81.	1.6	13
97	Enhanced Electrical Conductivities of Complex Hydrides Li_2BH_4 and Li_4BH_4 by Melting. <i>Materials Transactions</i> , 2011, 52, 654-657.	1.2	15
98	Structural and Hydrogen Desorption Properties of Aluminum Hydride. <i>Materials Transactions</i> , 2011, 52, 598-601.	1.2	12
99	Reverse Monte Carlo modeling of atomic configuration for $\text{Li}_2\text{S-P}_2\text{S}_5$ superionic glasses. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 022012.	0.6	1
100	Examination of gas desorption by B4C resin for use in neutron scattering experiment. <i>Review of Scientific Instruments</i> , 2011, 82, 095109.	1.3	2
101	Foresights of Neutron Total Scattering Experiment at J-PARC. <i>Radioisotopes</i> , 2011, 60, 35-46.	0.2	4
102	For high-pressure experiments using total scattering spectrometer NOVA at J-PARC. <i>Journal of Physics: Conference Series</i> , 2010, 215, 012024.	0.4	14
103	Crystal Structure of $\text{Li}_7\text{P}_3\text{S}_{11}$ Studied by Neutron and Synchrotron X-ray Powder Diffraction. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 87-89.	1.6	29
104	Newly Designed Neutron Diffraction Cell for Fluids at High Temperatures and High Pressures. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 016602.	1.5	1
105	Multimode hydriding/dehydriding reactions of CaPd. <i>Chemical Communications</i> , 2010, 46, 8380.	4.1	3
106	Development of data processing software for a new TOF single crystal neutron diffractometer at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 195-197.	1.6	67
107	Design and performance analyses of the new time-of-flight smaller-angle neutron scattering instrument at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 111-113.	1.6	28
108	Object-oriented data analysis framework for neutron scattering experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 123-125.	1.6	6

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109	Development of a data acquisition sub-system using DAQ-Middleware. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 173-175.	1.6	30
110	Design of a neutron polarizer using polarizing super mirrors for the TOF-SANS instrument at the J-PARC. Physica B: Condensed Matter, 2009, 404, 2640-2642.	2.7	9
111	Structural study on Zr _{0.39} Ni _{0.61} and (Zr _{0.39} Ni _{0.61})D _{0.59} amorphous alloys by neutron and X-ray diffraction. Journal of Alloys and Compounds, 2009, 483, 213-216.	5.5	3
112	High Pressure Neutron Scattering Experiments on Hydrogen Storage Materials. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2009, 19, 24-30.	0.0	1
113	Structural difference between liquidlike and gaslike phases in supercritical fluid. Physical Review E, 2008, 78, 051503.	2.1	41
114	Partial Pair Correlation Functions of Low-Density Supercritical Water Determined by Neutron Diffraction with the H/D Isotopic Substitution Method. Journal of Physical Chemistry B, 2008, 112, 4687-4693.	2.6	10
115	Overview of the High-Intensity Total Diffractometer at J-PARC and Structural Study of Hydrogen Absorbing Materials. Nihon Kessho Gakkaishi, 2008, 50, 29-34.	0.0	7
116	Research and Development of Neutron Detectors, Neutron Optical Devices and Data Acquisition at J-PARC. Nihon Kessho Gakkaishi, 2008, 50, 66-71.	0.0	0
117	Voronoi Analysis of the Structure of Ni-Zr-Al Ternary Metallic Glass. Materials Transactions, 2007, 48, 1698-1702.	1.2	38
118	Microinhomogeneity for Aqueous Mixtures of Water-miscible Organic Solvents. Journal of the Ceramic Society of Japan, 2007, 115, 861-866.	1.1	12
119	Hierarchic Structure of Shish-Kebab by Neutron Scattering in a WideQRange. Macromolecules, 2007, 40, 3650-3654.	4.8	102
120	Alkali chlorides-induced phase separation of acetonitrile-water mixtures studied by small-angle neutron scattering. Journal of Molecular Liquids, 2007, 131-132, 131-138.	4.9	20
121	Heterogeneity of acetonitrile-water mixtures in the temperature range 279-307 K studied by small-angle neutron scattering technique. Journal of Molecular Liquids, 2007, 136, 147-155.	4.9	36
122	Mixed magnetic phase in 6H-type BaFeO ₃ . Journal of Applied Crystallography, 2007, 40, s501-s505.	4.5	22
123	Shape of β -crystallin analyzed by small-angle neutron scattering. Journal of Applied Crystallography, 2007, 40, s200-s204.	4.5	5
124	Thermal Properties and Mixing State of Ethylene Glycol-Water Binary Solutions by Calorimetry, Large-Angle X-ray Scattering, and Small-Angle Neutron Scattering. Journal of Physical Chemistry B, 2006, 110, 12372-12379.	2.6	53
125	Structure Characterization and Lithiation Mechanism of Nongraphitized Carbon for Lithium Secondary Batteries. Journal of the Electrochemical Society, 2006, 153, A914.	2.9	63
126	Voronoi analysis of the structure of Cu-Zr and Ni-Zr metallic glasses. Intermetallics, 2006, 14, 893-897.	3.9	108

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127	Topological characterization of metallic glasses by neutron diffraction and RMC modeling. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 259-262.	2.7	14
128	Prototype of network distributed control system for MLF/J-PARC. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1327-1329.	2.7	0
129	Observation of microstructure of hydrated Ca ₃ SiO ₅ . <i>Physica B: Condensed Matter</i> , 2006, 385-386, 517-519.	2.7	6
130	Concentration fluctuations and cluster dynamics of 2-butoxyethanol-water mixtures by small-angle neutron scattering and neutron spin echo techniques. <i>Journal of Molecular Liquids</i> , 2005, 119, 125-131.	4.9	23
131	Neutron Diffraction with an Excess-Water Cell. <i>Journal of Biological Physics</i> , 2005, 31, 207-218.	1.5	1
132	Structural Observation and RMC Modeling for Ni-Zr and Cu-Zr Metallic Glasses. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005, 24-25, 217-220.	0.1	5
133	The Design of the Neutron Total Scattering Spectrometer for Hydrogenous Materials at J-PARC-JSNS. <i>Journal of Neutron Research</i> , 2005, 13, 123-128.	1.1	1
134	Further Understanding of Reaction Processes in Electrolytic Manganese Dioxide Electrodes for Lithium Cells. <i>Journal of the Electrochemical Society</i> , 2005, 152, E230.	2.9	13
135	Designed Performance of High Resolution Chopper Spectrometer at J-PARC. <i>Journal of Neutron Research</i> , 2005, 13, 59-62.	1.1	6
136	Structure and Dynamics of Halogenoethanol-Water Mixtures Studied by Large-Angle X-ray Scattering, Small-Angle Neutron Scattering, and NMR Relaxation. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7667-7676.	2.5	37
137	Monte-Carlo simulation codes development and their applications to neutron optical devices and neutron scattering instruments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 529, 223-230.	1.6	9
138	Object-oriented data analysis environment for neutron scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 534, 175-179.	1.6	6
139	Colloidal silver iodide: synthesis by a reverse micelle method and investigation by a small-angle neutron scattering study. <i>Journal of Electroanalytical Chemistry</i> , 2003, 559, 103-109.	3.8	13
140	Large-angle X-ray scattering, small-angle neutron scattering, and NMR relaxation studies on mixing states of 1,4-dioxane-water, 1,3-dioxane-water, and tetrahydrofuran-water mixtures. <i>Journal of Molecular Liquids</i> , 2003, 103-104, 143-159.	4.9	76
141	Neutron scattering on a re-entrant binary liquid mixture. <i>Chemical Physics</i> , 2003, 292, 273-281.	1.9	5
142	Local structure of BaFeO ₃ δ studied by neutron scattering. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 807-808.	2.7	16
143	Structural Evidence for the Charge Disproportionation of Fe ⁴⁺ in BaFeO ₃ δ . <i>Journal of the Physical Society of Japan</i> , 2003, 72, 2024-2028.	1.6	21
144	Structure and dynamics of hexafluoroisopropanol-water mixtures by x-ray diffraction, small-angle neutron scattering, NMR spectroscopy, and mass spectrometry. <i>Journal of Chemical Physics</i> , 2003, 119, 6132-6142.	3.0	70

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145	Dynamical properties of vitreous silica around the first sharp diffraction peak. <i>Physical Review B</i> , 2003, 67, .	3.2	14
146	Effect of low-energy dynamics on anomalous vibrational amplitudes in vitreous silica. <i>Physical Review B</i> , 2002, 66, .	3.2	16
147	Microscopic Charge Separation in $Tb_{1-x}Ca_xMnO_3$ ($x \approx 1/4$). <i>Journal of the Physical Society of Japan</i> , 2002, 71, 27-30.	1.6	10
148	An experimental approach to reveal the origin of collective excitations in Ni ₃₃ Zr ₆₇ metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2002, 312-314, 599-602.	3.1	8
149	Neutron-scattering studies on carbon anode materials used in lithium-ion batteries. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1028-s1030.	2.3	15
150	NaCl-Induced Phase Separation of 1,4-Dioxane [~] Water Mixtures Studied by Large-Angle X-ray Scattering and Small-Angle Neutron Scattering Techniques. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10101-10110.	2.6	51
151	Dispersive excitation in different forms of SiO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2001, 293-295, 377-382.	3.1	22
152	Medium-range structural change in the ceramization from polymer precursors. <i>Journal of Non-Crystalline Solids</i> , 2001, 293-295, 607-614.	3.1	0
153	Large-Angle X-ray Scattering and Small-Angle Neutron Scattering Study on Phase Separation of Acetonitrile [~] Water Mixtures by Addition of NaCl. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6236-6245.	2.6	66
154	Small-Angle Neutron Scattering Study on Aggregation in Acetonitrile [~] D ₂ O and Acetonitrile [~] D ₂ O [~] NaCl Mixtures. <i>Chemistry Letters</i> , 2000, 29, 878-879.	1.3	13
155	Density dependence of the boson peak of vitreous silica. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1157-1158.	2.7	33
156	Novel dynamics of vitreous silica and metallic glass. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999, 79, 1733-1739.	0.6	17
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