

[2005]

- [157] "Effect of Mn Trimerization on the Magnetic and Dielectric Properties of Hexagonal YMnO_3 "
Y. Aikawa, T. Katsufuji, T. Arima, K. Kato
Physical Review B, **71**, (2005), 184418
- [158] "Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer"
Y. Kubota, M. Takata, R. Matsuda, R. Kitaura, S. Kitagawa, K. Kato, M. Sakata, T. Kobayashi
Angewandte Chemie International Edition, **44**, (2005), 920-923
- [159] "Disorder in the Cubic Phase of PbHfO_3 Studied by High Energy Synchrotron-Radiation Diffraction"
Y. Kuroiwa, H. Fujiwara, A. Sawada, H. Kawaji, T. Atake
Journal of the Korean Physical Society, **46**, (2005), 296-299
- [160] "Unconventional Magnetic Transitions in the Mineral Clinoatacamite $\text{Cu}_2\text{Cl}(\text{OH})_3$ "
X. Zheng, H. Yamada, C. N. Xu, T. Kawase, Y. Kashitani, C. S. Li, N. Tateiwa, K. Takeda, Y. Ren
Physical Review B, **71**, (2005), 052409
- [161] "Antiferromagnetic Transitions in Polymorphous Minerals of the Natural Cuprates Atacamite and Botallackite $\text{Cu}_2\text{Cl}(\text{OH})_3$ "
X. Zheng, H. Yamada, T. Mori, K. Nishiyama, W. Higemoto, K. Nishikubo, C. Xu
Physical Review B, **71**, (2005), 174404

BL04B1

Refereed Papers

[1998]

- [1] "The Postspinel Phase Boundary in MgSiO_4 Determined by in situ X-Ray Diffraction"
T. Irifune, N. Nishiyama, K. Kuroda, T. Inoue, M. Isshiki, W. Utsumi, K. Funakoshi, S. Urakawa, T. Uchida, T. Katsura, O. Ohtaka
Science, **279**, (1998), 1698-1700
- [2] "X-Ray Diffraction Studies of Expanded Fluid Mercury Using Synchrotron Radiation"
K. Tamura, M. Inui, I. Nakaso, Y. Oh'ishi, K. Funakoshi, W. Utsumi
Journal of Physics: Condensed Matter, **10**, (1998), 11405-11417
- [3] "SPring-8 Beamlines for High Pressure Science with Multi-Anvil Apparatus"
W. Utsumi, K. Funakoshi, S. Urakawa, M. Yamakata, K. Tsuji, H. Konishi, O. Shimomura
The Review of High Pressure Science and Technology, **7**, (1998), 1484-1486

[1999]

- [4] "X-Ray Diffraction Measurements for Expanded Fluid Se Using Synchrotron Radiation"
M. Inui, K. Tamura, Y. Oh'ishi, I. Nakaso, K. Funakoshi, W. Utsumi
Journal of Non-Crystalline Solids, **250-252**, (1999), 519-524
- [5] "X-Ray Diffraction Studies of Expanded Fluid Mercury Using Synchrotron Radiation at SPring-8"
K. Tamura, M. Inui, I. Nakaso, Y. Oh'ishi, K. Funakoshi, W. Utsumi
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 452-455
- [6] "Structural Studies of Expanded Fluid Mercury Using Synchrotron Radiation"
K. Tamura, M. Inui, I. Nakaso, Y. Oh'ishi, K. Funakoshi, W. Utsumi
Journal of Non-Crystalline Solids, **250-252**, (1999), 148-153
- [7] "In situ X-Ray Diffraction and XAFS Studies of Expanded Fluid Selenium Using Synchrotron Radiation"
K. Tamura, M. Inui
Material Research Society Bulletin, **24**, (1999), 26-31

[2000]

- [8] "*In situ* Diffraction Measurement of Polymerization of C_{60} at High Temperatures and Pressures"
S. M. Bennington, N. Kitamura, M. G. Cain, M. H. Lewis, R. A. Wood, K. Fukumi, K. Funakoshi
Journal of Physics: Condensed Matter, **12**, (2000), L451-L456
- [9] "Melting of Portlandite up to 6 GPa"
H. Fukui, O. Ohtaka, T. Nagai, T. Katsura, K. Funakoshi, W. Utsumi
Physics and Chemistry of Minerals, **27**, (2000), 367-370
- [10] "Viscosity Measurement of Albite Melt under High Pressure Using an *In situ* X-Ray Radiography Technique"
K. Funakoshi, M. Kanzaki, A. Yasuda, A. Suzuki, H. Terasaki, S. Yamashita
Science and Technology of High Pressure (Proceeding of AIRAPT-17), **2**, (2000), 1023-1026

- [11] "High-Pressure Phase Transformation in $\text{CaMgSi}_2\text{O}_6$ and Implications for Origin of Ultra-Deep Diamond Inclusions"
T. Irifune, M. Miyashita, T. Inoue, J. Ando, K. Funakoshi, W. Utsumi
Geophysical Research Letters, **27**, (2000), 3541-3544
- [12] "Formation of Metastable Assemblages and Mechanisms of the Grain-Size Reduction in the Postspinel Transformation of Mg_2SiO_4 "
T. Kubo, E. Ohtani, T. Kato, S. Urakawa, A. Suzuki, Y. Kanbe, K. Funakoshi, W. Utsumi, K. Fujino
Geophysical Research Letters, **27**, (2000), 807-810
- [13] "Determination of the Phase Boundary between Ilmenite and Perovskite in MgSiO_3 by in situ X-Ray Diffraction and Quench Experiments"
K. Kuroda, T. Irifune, T. Inoue, N. Nishiyama, M. Miyashita, K. Funakoshi, W. Utsumi
Physics and Chemistry of Minerals, **27**, (2000), 523-532
- [14] "Thermoelastic Properties of the High-Pressure Phase of SnO_2 Determined by in situ X-Ray Observations up to 30 GPa and 1400 K"
S. Ono, E. Ito, T. Katsura, A. Yoneda, M. J. Walter, S. Urakawa, W. Utsumi, K. Funakoshi
Physics and Chemistry of Minerals, **27**, (2000), 618-622
- [15] "Structural Studies of Fluid Mercury Using Synchrotron Radiation at SPring-8"
K. Tamura
Proceedings of the Symposium on the Progress in Liquid Physics (2), Wuhan, , (2000), 89-96
- [16] "Structure of Liquid Tellurium at High Temperatures"
K. Tsuji, M. Inui, K. Tamura, M. Ohtani, N. Hosokawa, N. Funamori
Science and Technology of High Pressure (Proceeding of AIRAPT-17), **1**, (2000), 510-513
[2001]
- [17] "Probability of Nuclear Excitation by Electron Transition in Os Atoms"
K. Aoki, K. Hosono, K. Tanimoto, M. Terasawa, H. Yamaoka, M. Tosaki, Y. Ito, A. M. Vlaicu, K. Taniguchi, J. Tsuji
Physical Review C, **64**, (2001), 044609
- [18] "Structural Transformation of Liquid Tellurium at High Pressures and Temperatures"
N. Funamori, K. Tsuji
Physical Review B, **65**, (2001), 014105
- [19] "In situ Measurements of the Phase Transition Boundary in $\text{Mg}_3\text{Al}_2\text{Si}_3\text{O}_{12}$: Implications for the Nature of the Seismic Discontinuities in the Earth's Mantle"
K. Hirose, Y. Fei, S. Ono, T. Yagi, K. Funakoshi
Earth and Planetary Science Letters, **184**, (2001), 567-573
- [20] "In situ Measurements of the Majorite-Akimotoite-Perovskite Phase Transition Boundaries in MgSiO_3 "
K. Hirose, T. Komabayashi, M. Murakami, K. Funakoshi
Geophysical Research Letters, **28**, (2001), 4351-4354
- [21] "Structural Studies on Expanded Fluid Selenium up to the Metallic Region Using Synchrotron Radiation"
X. Hong, M. Inui, K. Tamura, T. Matsusaka, D. Ishikawa, M. Kazi
Journal of Non-Crystalline Solids, **293-295**, (2001), 446-452
- [22] "High-Pressure Vessel for Elastic and Inelastic X-Ray Diffraction Experiments for Liquids over a Wide Temperature Range"
S. Hosokawa, W. Pigrim
Review of Scientific Instruments, **72**, (2001), 1721-1728
- [23] "Phase Relations and Equations of State of ZrO_2 under High Temperature and High Pressure"
O. Ohtaka, H. Fukui, T. Kunisada, T. Fujisawa, K. Funakoshi, W. Utsumi, T. Irifune, K. Kuroda, T. Kikegawa
Physical Review B, **63**, (2001), 174108
- [24] "Phase Relations and Volume Changes of Hafnia under High Pressure and High Temperature"
O. Ohtaka, H. Fukui, T. Kunisada, T. Fujisawa, K. Funakoshi, W. Utsumi, T. Irifune, K. Kuroda, T. Kikegawa
Journal of the American Ceramic Society, **84**, (2001), 1369-1373
- [25] "In situ Observation of Ilmenite-Perovskite Phase Transition in MgSiO_3 Using Synchrotron Radiation"
S. Ono, T. Katsura, E. Ito, M. Kanzaki, A. Yoneda, M. J. Walter, S. Urakawa, W. Utsumi, K. Funakoshi
Geophysical Research Letters, **28**, (2001), 835-838

- [26] "Mineralogy of Subducted Basaltic Crust (MORB) from 25 to 37 GPa, and Chemical Heterogeneity of the Lower Mantle"
S. Ono, E. Ito, T. Katsura
Earth and Planetary Science Letters, **190**, (2001), 57-63
- [27] "X-Ray Diffraction Technique in Energy-Dispersive Mode at SPring-8 for Fluids at High Temperatures and High Pressures"
K. Tamura, M. Inui, K. Funakoshi, W. Utsumi
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1065-1068
- [28] "The Effect of Temperature, Pressure, and Sulfur Content on Viscosity of the Fe-FeS Melt"
H. Terasaki, T. Kato, S. Urakawa, K. Funakoshi, A. Suzuki, T. Okada, M. Maeda, J. Sato, T. Kubo, S. Kasai
Earth and Planetary Science Letters, **190**, (2001), 93-101
- [29] "Radiographic Study on the Viscosity of the Fe-FeS Melts at the Pressure of 5 to 7 GPa"
S. Urakawa, H. Terasaki, K. Funakoshi, T. Kato, A. Suzuki
American Mineralogist, **86**, (2001), 578-582
- [2002]
- [30] "*In situ* Viscosity Measurements of Albite Melt under High Pressure"
K. Funakoshi, A. Suzuki, H. Terasaki
Journal of Physics: Condensed Matter, **14**, (2002), 11343-11347
- [31] "Pressure-Induced Structural Change of Liquid Silicon"
N. Funamori, K. Tsuji
Physical Review Letters, **88**, (2002), 255508
- [32] "Structure of Liquid GaSb Under Pressure"
T. Hattori, N. Taga, Y. Takasugi, T. Mori, K. Tsuji
Journal of Non-Crystalline Solids, **312-314**, (2002), 26-29
- [33] "X-Ray Diffraction Measurements for Expanded Fluid Mercury Using Synchrotron Radiation: from the Liquid to Dense Vapor"
X. Hong, M. Inui, T. Matsusaka, D. Ishikawa, M. Kazi, K. Tamura
Journal of Non-Crystalline Solids, **312-314**, (2002), 284-289
- [34] "X-Ray Diffraction Measurements for Expanded Fluid Se Using Synchrotron Radiation up to the Dense Vapor Region"
M. Inui, X. Hong, T. Matsusaka, D. Ishikawa, M. Kazi, K. Tamura, K. Funakoshi, W. Utsumi
Journal of Non-Crystalline Solids, **312-314**, (2002), 274-278
- [35] "Structural Studies of Supercritical Fluid Metals Using Synchrotron Radiation"
M. Inui, K. Tamura
Journal of Non-Crystalline Solids, **312-314**, (2002), 247-255
- [36] "Application of Synchrotron Radiation and Kawai-Type Apparatus to Various Studies in High-Pressure Mineral Physics"
T. Irifune
Mineralogica Magazine, **66**, (2002), 769-790
- [37] "In Situ X-Ray Observations of Phase Transitions in MgAl₂O₄ Spinel to 40 GPa using Multianvil Apparatus with Sintered Diamond Anvils"
T. Irifune, H. Naka, T. Sanehira, T. Inoue, K. Funakoshi
Physics and Chemistry of Minerals, **29**, (2002), 645-654
- [38] "Structure and Dynamical Properties of Liquid In₂Te₃"
Y. Kawakita, S. Takeda, M. Inui, S. Hosokawa, K. Maruyama
Journal of Non-Crystalline Solids, **312-314**, (2002), 366-370
- [39] "Mechanisms and Kinetics of the Post-Spinel Transformation in Mg₂SiO₄"
T. Kubo, E. Ohtani, T. Kato, S. Urakawa, A. Suzuki, Y. Kanbe, K. Funakoshi, W. Utsumi, T. Kikegawa, K. Fijino
Physics of the Earth and Planetary Interiors, **129**, (2002), 153-171
- [40] "Comparison between the Au and MgO Pressure Calibration Standards at High Temperature"
M. Matsui, N. Nishiyama
Geophysical Research Letters, **29**, (2002), 6
- [41] "Phase Relations and EOS of ZrO₂ and HfO₂ under High-Temperature and High-Pressure"
O. Ohtaka, H. Fukui, K. Funakoshi, W. Utsumi, T. Irifune, T. Kikegawa
High Pressure Research, **22**, (2002), 221-226

- [42] "Viscosity of Albite Melt at High Pressure and High Temperature"
A. Suzuki, E. Ohtani, K. Funakoshi, H. Terasaki, T. Kubo
Physics and Chemistry of Minerals, **29**, (2002), 159-165
- [43] "Viscosity Change and Structural Transition of Molten Fe at 5 GPa"
H. Terasaki, T. Kato, S. Urakawa, K. Funakoshi, K. Sato, A. Suzuki, T. Okada
Geophysical Research Letters, **29**, (2002), 68
- [44] "High-Pressure Phase Relationships for FeS"
S. Urakawa, M. Hasegawa, J. Yamakawa, K. Funakoshi, W. Utsumi
High Pressure Research, **22**, (2002), 491-494
- [45] "High-Pressure Science with a Multi-Anvil Apparatus at SPring-8"
W. Utsumi, K. Funakoshi, Y. Katayama, M. Yamakata, T. Okada, O. Shimomura
Journal of Physics: Condensed Matter, **14**, (2002), 10497-10504
- [46] "Spinel-Garnet Lherzolite Transition in the System CaO-MgO-Al₂O₃-SiO₂ Revisited: An in situ X-Ray Study"
Michael J. Walter, T. Katsura, A. Kubo, T. Shinmei, O. Nishikawa, E. Ito, C. Leshner, K. Funakoshi
Geochimica et Cosmochimica Acta, **66**, (2002), 2109-2121
[2003]
- [47] "Thermal Expansion of Mg(OH)₂ Brucite under High Pressure and Pressure Dependence of Entropy"
H. Fukui, O. Ohtaka, T. Suzuki, K. Funakoshi
Physics and Chemistry of Minerals, **30**, (2003), 551-516
- [48] "Structure of Liquid GaSb at Pressures up to 20 GPa"
T. Hattori, K. Tsuji, N. Taga, Y. Takasugi, T. Mori
Physical Review B, **68**, (2003), 224106
- [49] "Static and Dynamic Structures of Expanded Fluid Mercury"
M. Inui, K. Tamura
Zeitschrift Physikalische Chemie, **217**, (2003), 1045-1063
- [50] "Local Structure of Expanded Fluid Mercury Using Synchrotron Radiation: From Liquid to Dense Vapor"
M. Inui, X. Hong, K. Tamura
Physical Review B, **68**, (2003), 094108
- [51] "Post-Spinel Transition in Mg₂SiO₄ Determined by High *P-T* in situ X-Ray Diffractometry"
T. Katsura, H. Yamada, T. Shinmei, A. Kubo, S. Ono, M. Kanzaki, A. Yoneda, Michael J. Walter, E. Ito, S. Urakawa, K. Funakoshi, W. Utsumi
Physics of the Earth and Planetary Interiors, **136**, (2003), 11-24
- [52] "In situ X-Ray Observation of Iron using Kawai-Type Apparatus Equipped with Sintered Diamond: Absence of Beta Phase up to 44 GPa and 2100 K"
A. Kubo, E. Ito, T. Katsura, T. Shinmei, H. Yamada, O. Nishikawa, M. Song, K. Funakoshi
Geophysical Research Letters, **30**, (2003), 1126
- [53] "Determination of the Phase Boundary between *B1* and *B2* Phases in NaCl by *in situ* X-ray Diffraction"
N. Nishiyama, T. Katsura, K. Funakoshi, A. Kubo, T. Kubo, Y. Tange, Y. Sueda, S. Yokoshi
Physical Review B, **68**, (2003), 134109
- [54] "The Viscosity of CaMgSi₂O₆ Liquid at Pressures up to 13 GPa"
Joy E. Reid, A. Suzuki, K. Funakoshi, H. Terasaki, Brent T. Poe, David C. Rubie, E. Ohtani
Physics of the Earth and Planetary Interiors, **139**, (2003), 45-54
[2004]
- [55] "Experimentally Determined Postspinel Transformation Boundary in Mg₂SiO₄ using MgO as an Internal Pressure Standard and Its Geophysical Implications"
Y. Fei, J. Van Orman, J. Li, W. Van Westrenen, C. Sanloup, W. Minarik, K. Hirose, T. Komabayashi, M. Walter, K. Funakoshi
Journal of Geophysical Research, **109**, (2004), B02305
- [56] "A Critical Evaluation of Pressure Scales at High Temperatures by in-situ X-ray Diffraction Measurements"
Y. Fei, J. Li, K. Hirose, W. Minarik, J. Van Orman, C. Sanloup, W. Van Westrenen, T. Komabayashi, K. Funakoshi
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 515-526
- [57] "Transformations in the Intermediate-Range Structure of SiO₂ Glass under High Pressure and Temperature"
Y. Inamura, Y. Katayama, W. Utsumi, K. Funakoshi
Physical Review Letters, **93**, (2004), 015501

- [58] "Formation of Pure Polycrystalline Diamond by Direct Conversion of Graphite at High Pressure and High Temperature"
T. Irifune, A. Kurio, S. Sakamoto, T. Inoue, H. Sumiya, K. Funakoshi
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 593-600
- [59] "A Large-Volume High-Pressure and High-Temperature Apparatus for *in situ* X-Ray Observation, 'SPEED-Mk.II' "
T. Katsura, K. Funakoshi, A. Kubo, N. Nishiyama, Y. Tange, Y. Sueda, T. Kubo, W. Utsumi
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 497-506
- [60] "Olivine-Wadsleyite Transition in the System (Mg,Fe)₂SiO₄"
T. Katsura, H. Yamada, A. Kubo, O. Nishikawa, T. Yoshino, Y. Aizawa, M. Song, J. Michael Walter, E. Ito, T. Shinmei, K. Funakoshi, S. Yoshiki
Journal of Geophysical Research, **109**, (2004), B02209
- [61] "Nucleation and Growth Kinetics of the A-B Transformation in Mg₂SiO₄ Determined by in-situ Synchrotron X-Ray Powder Diffraction"
T. Kubo, E. Ohtani, K. Funakoshi
American Mineralogist, **89**, (2004), 285-293
- [62] "Absence of Density Crossover between Basalt and Peridotite in the Cold Slabs Passing through 660 km Discontinuity"
K. Litasov, E. Ohtani, A. Suzuki, T. Kawazoe
Geophysical Research Letters, **31**, (2004), L24067
- [63] "The Temperature-Pressure-Volume Equation of State of γ -Mg₂SiO₄"
M. Matsui, T. Katsura
Journal of Mineralogical and Petrological Sciences, **99**, (2004), 72-75
- [64] "Thermal Equation of State of (Mg_{0.91}Fe_{0.09})₂SiO₄ Ringwoodite"
Y. Nishihara, E. Takahashi, K. Matsukage, T. Iguchi, K. Nakayama, K. Funakoshi
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 33-46
- [65] "Precise Determination of Phase Relations in Pyrolite across the 660km Seismic Discontinuity by in-situ X-Ray Diffraction and Quench Experiments"
N. Nishiyama, T. Irifune, T. Inoue, J. Ando, K. Funakoshi
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 185-199
- [66] "Water Transport into the Deep Mantle and Formation of a Hydrous Transition Zone"
E. Ohtani, K. Litasov, T. Hosoya, T. Kubo, T. Kondo
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 255-269
- [67] "Phase Transition of Zircon at High P-T Conditions"
S. Ono, K. Funakoshi, Y. Nakajima, Y. Tange, T. Katsura
Contributions to Mineralogy and Petrology, **147**, (2004), 505-509
- [68] "In situ X-ray Observation of Decomposition of Hydrous Aluminum Silicate AlSiO₃OH and Aluminum Oxide Hydroxide d-AlOOH at High Pressure and Temperature"
A. Sano, E. Ohtani, T. Kubo, K. Funakoshi
Journal of Physics and Chemistry of Solids, **65**, (2004), 1547-1554
- [69] "A New-High-Pressure Form of KAlSi₃O₈ under Lower Mantle Conditions"
Y. Sueda, T. Irifune, N. Nishiyama, Robert P. Rapp, F. Tristan, T. Onozawa, T. Yagi, S. Merkel, N. Miyajima, K. Funakoshi
Geophysical Research Letters, **31**, (2004), L23612
- [70] "Structural Studies of Expanded Fluid Metals Using Synchrotron Radiation"
K. Tamura, M. Inui, K. Matsuda, D. Ishikawa
Transactions of the Materials Research Society of Japan, **29**, (2004), 83-88
- [71] "Viscosity of Liquid Sulfur under High Pressure"
H. Terasaki, T. Kato, K. Funakoshi, A. Suzuki, S. Urakawa
Journal of Physics: Condensed Matter, **16**, (2004), 1707-1714
- [72] "Phase Relationships and Equations of State for FeS at High Pressures and Temperatures and Implications for the Internal Structure of Mars"
S. Urakawa, K. Someya, H. Terasaki, T. Katsura, S. Yokoshi, K. Funakoshi, W. Utsumi, Y. Katayama, Y. Sueda, T. Irifune
Physics of the Earth and Planetary Interiors, **143-144**, (2004), 469-479

- [73] "In situ X-Ray Diffraction of Graphite-Diamond Transformation using Various Catalysts under High Pressures and High Temperatures"
W. Utsumi, T. Okada, T. Taniguchi, K. Funakoshi, T. Kikegawa, N. Hamaya, O. Shimomura
Journal of Physics: Condensed Matter, **16**, (2004), S1017 -S1026
- [74] "A New Technique for Angle-Dispersive Powder Diffraction using an Energy-Dispersive Setup and Synchrotron Radiation"
Y. Wang, T. Uchida, R. Von Dreele, Mark L. Rivers, N. Nishiyama, K. Funakoshi, A. Nozawa, H. Kaneko
Journal of Applied Crystallography, **37**, (2004), 947-956
[2005]
- [75] "Thermal Equation of State of Majorite with MORB Composition"
Y. Nishihara, I. Aoki, E. Takahashi, Kyoko N. Matsukage, K. Funakoshi
Physics of the Earth and Planetary Interiors, **148**, (2005), 73-84
- [76] "Water in the Mantle"
E. Ohtani
Elements, **1**, (2005), 25-30
- [77] "In situ X-ray Observation of Phase Transformation of Fe₂O₃"
S. Ono, K. Funakoshi, Y. Ooishi, E. Takahashi
Journal of Physics: Condensed Matter, **17**, (2005), 269-276
- [78] "High-Pressure Phase Transitions in SnO₂"
S. Ono, K. Funakoshi, A. Nozawa, T. Kikegawa
Journal of Applied Physics, **97**, (2005), 073523

BL04B2

Refereed Papers

[2001]

- [1] "New δ (Distorted-bcc) Titanium to 220 GPa"
Y. Akahama, H. Kawamura, T. Bihan
Physical Review Letters, **87**, (2001), 275503
- [2] "High-Energy X-Ray Diffraction Beamline: BL04B2 at SPring-8"
M. Isshiki, Y. Ohishi, S. Goto, K. Takeshita, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 663-666
- [3] "A Horizontal Two-Axis Diffractometer for High-Energy X-Ray Diffraction Using Synchrotron Radiation on Bending Magnet Beamline BL04B2 at SPring-8"
S. Kohara, K. Suzuya, Y. Kashihara, N. Matsumoto, N. Umesaki, I. Sakai
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1030-1033
- [4] "A New Polyantimonate with an Sb₄O₁₆ Core"
K. Kusaka, Y. Ozawa, A. Yagasaki
Inorganic Chemistry, **40**, (2001), 2634-2635
- [5] "High-Energy X-Ray Diffraction Studies of Non-Crystalline Materials"
H. Ohno, S. Kohara, N. Umesaki, K. Suzuya
Journal of Non-Crystalline Solids, **293-295**, (2001), 125-135
- [6] "Crystal Structure Analysis of a Hexatungstate by a High-Energy X-Ray Diffraction Experiment Using an Imaging Plate Weissenberg Camera at the BL04B2 Beamline of SPring-8"
T. Ozeki, K. Kusaka, N. Honma, Y. Nakamura, S. Nakamura, S. Oike, N. Yasuda, H. Imura, H. Uekusa, M. Isshiki, C. Katayama, Y. Ohashi
Chemistry Letters, **2001**, (2001), 804-805

[2002]

- [7] "X-Ray Powder Diffraction Study of CS₂ at High Pressures"
Y. Akahama, Y. Minamoto, H. Kawamura
Journal of Physics: Condensed Matter, **14**, (2002), 10457-10460
- [8] "The Equation of State of Bi and Cross-Checking of Au and Pt Scales to Megabar Pressure"
Y. Akahama, H. Kawamura, A. K. Singh
Journal of Physics: Condensed Matter, **14**, (2002), 11495-11500