"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

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

"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

"Water in the Mantle"
E. Ohtani
Elements, 1, (2005), 25-30

"In situ X-ray Observation of Phase Transformation of Fe₂O₃"
S. Ono, K. Funakoshi, Y. Ooishi, E. Takahashi

"High-Pressure Phase Transitions in SnO₂"
S. Ono, K. Funakoshi, A. Nozawa, T. Kikegawa
Journal of Applied Physics, 97, (2005), 073523

BL04B2

Referred Papers

[2001]

[1] "New δ (Distorted-bcc) Titanium to 220 GPa"
Y. Akahama, H. Kawamura, T. Bihan
Physical Review Letters, 87, (2001), 275503

M. Ishiki, Y. Ohishi, S. Goto, K. Takeshita, T. Ishikawa

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

H. Ohno, S. Kohara, N. Umesaki, K. Suzuya


[2002]

Y. Akahama, Y. Minamoto, H. Kawamura

[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
[9] "A New Distorted Body-Centred Cubic Phase of Titanium ($\delta$-Ti) at Pressures up to 220 GPa"
Y. Akahama, H. Kawamura, T. Bihan

[10] "Equation of State of Bismuth to 222 GPa and Comparison of Gold and platinum Pressure Scales to 145 GPa"
Y. Akahama, H. Kawamura, Anil K. Singh
Journal of Applied Physics, 92, (2002), 5892-5897

R. Hagiwara, K. Matsumoto, T. Tsada, Y. Ito, S. Kohara, K. Suzuya, H. Matsumoto, Y. Miyazaki

[12] "Self-Assembly of a Lacunary $\alpha$-Keggin Undecatungstophosphate into a Three-Dimensional Network Linked by s-Block Cations"
N. Honma, K. Kusaka, T. Ozeki
Chemical Communications, , (2002), 2896-2897

[13] "Structural Studies of Supercritical Fluid Metals Using Synchrotron Radiation"
M. Inui, K. Tamura

[14] "Pressure-Induced Transition from a Charge-Disproportionated Antiferromagnetic State to a Charge-Uniform Ferromagnetic State in $\text{Sr}_{10}\text{La}_{9}\text{FeO}_{19}$"

S. Kohara, K. Suzuya
Physics and Chemistry of Glasses, 43C, (2002), 51-54

S. Kohara, R. Hagiwara, K. Matsumoto, Y. Ito, A. Kajinami, K. Suzuya
Molten Salts XIII, 19, (2002), 1047-1056

[17] "Structure Analysis of a High-Pressure Amorphous Phase of SnI$_4$"
A. Ohmura, N. Hamaya, K. Sato, C. Ogawa, M. Ishikita, Y. Ohishi

[18] "Equation of State of Hexagonal Aluminous Phase in Basaltic Composition to 63 GPa at 300 K"
S. Ono, K. Hirose, M. Isshiki, M. Mibe, Y. Saito
Physics and Chemistry of Minerals, 29, (2002), 527-531

T. Ozeki, N. Honma, S. Oike, K. Kusaka

[20] "Small Angle X-Ray Scattering Measurements for Supercritical Fluid Metals Using Synchrotron Radiation"
K. Tamura, M. Inui, T. Matsuoka, D. Ishikawa, M. Kazi, X. Hong, M. Isshiki, Y. Ohishi

[21] "Pressure Induced Structural Transitions of Spin Ladder Compounds SrCu$_2$O$_3$ and Sr$_2$Cu$_3$O$_7$"

[22] "Structural Phase Transition of ScSb and YSb with NaCl-Type Structure at High Pressures"
J. Hayashi, I. Shirotani, K. Hirano, N. Ishimatsu, O. Shimomura, T. Kikegawa
Solid State Communications, 125, (2003), 543-546

[23] "Static and Dynamic Structures of Expanded Fluid Mercury"
M. Inui, K. Tamura
Zeitschrift Physikalische Chemie, 217, (2003), 1045-1063

[24] "Pressure-Induced Magnetic Transition in Fe$_2$N Probed by Fe K-edge XMCD Measurement"
Journal of the Physical Society of Japan, 72, (2003), 2372-2376
"The Structural Analysis of Manganese Borate Glass by High-energy X-Ray Diffraction Measurement"
A. Kajinami, T. Kotake, S. Deki, S. Kohara
Nuclear Instruments and Methods in Physics Research Section B, 199, (2003), 34-37

"High-Energy X-Ray Diffraction Studies of Disordered Materials"
S. Kohara, K. Suzuya

"Synchrotron Structure Determination of an \( \alpha \)-Keggin Doubly PtIV-Substituted Silicotungstate, \( (\text{CH}_3\text{N}_3)_8[\text{a-SiPt}_{2}\text{W}_{10}\text{O}_{40}]\cdot\text{H}_2\text{O}^+ \)"
U. Lee, H. Joo, K. Park, T. Ozeki
Acta Crystallographica Section C, 59, (2003), m152-m155

"Structural Analysis of 1-Ethyl-3-Methylimidazolium Bifluoride Melt"
K. Matsumoto, R. Hagiwara, Y. Ito, S. Kohara, K. Suzuya
Nuclear Instruments and Methods in Physics Research Section B, 199, (2003), 29-33

"Anelastic Compression of Nanometer-Sized Silica Particles under High Pressure: a High Energy X-Ray Diffraction Experiment"

"A Comparison of Volume Compressions of Silver and Gold up to 150 GPa"
Y. Akahama, H. Kawamura, Anil K. Singh
Journal of Applied Physics, 95, (2004), 4767-4771

"Pressure-induced Buckling of Spin Ladder in \( \text{SrCu}_2\text{O}_3 \)"
Journal of the American Chemical Society, 126, (2004), 8244-8246

"Diversity in Packing Modes of Mesogenic Diphenylpyrimidines with Two Chiral Centres in Crystal Structures: the Role of Interactions between Pyrimidine Rings"
K. Hori, Y. Matsunaga, A. Yoshizawa, T. Kusumoto, T. Ozeki, A. Iida, H. Chiba
Liquid Crystals, 31, (2004), 759-766

"Structural Analysis for Crystalline and Amorphous RFe\(_2\)D\(_x\) (R: Ho, Tb) by X-ray/Neutron Diffraction and Reverse Monte Carlo Modeling"
K. Itoh, Y. Miyajima, K. Aoki, T. Fukunaga
Journal of Alloys and Compounds, 376, (2004), 9-16

"Mg/Si Ratios of Aqueous Fluids Coexisting with Forsterite and Enstatite Based on the Phase Relations in the \( \text{Mg}_2\text{SiO}_4-\text{SiO}_2-H_2\text{O} \) System"
T. Kawamoto, K. Matsukage, K. Mibe, K. Nishimura, M. Ishihiki, N. Ishimatsu, S. Ono
American Mineralogist, 89, (2004), 1433-1437

"Raman Spectroscopy of Cubic Boron Nitride under High Temperature and Pressure Conditions: A New Optical Pressure Marker"
Review of Scientific Instruments, 75, (2004), 2451-2454

"Glass Formation at the Limit of Insufficient Network Formers"
Science, 303, (2004), 1649-1652

"Successive Phase Transitions in Crystalline State of Mesogenic Butyl 4-[2-(Perfluoroocetyl)ethoxy]benzoate"
Chemistry Letters, 33, (2004), 1300-1301
[40] "The Effect of Carbon Chain Length of the Diphosphine Ligand on the Aurophilic Interaction. Synthesis and X-ray Structural Study for a Series of Au(I) Compounds with Ph₃P-R-PPh₃ and S-(CH₂)ₙ-py Ligands"
Journal of Organometallic Chemistry, 690, (2004), 57-68

[41] "Anionic Species (FH)xF⁻ in Room-Temperature Molten Fluorides (CH₃)₄NF - mHF"
Y. Shodai, S. Kohara, Y. Ohishi, M. Inaba, A. Tasaka

[42] "The Structure of Binary Zinc Phosphate Glasses"
K. Suzuya, K. Ito, A. Kajinami, C. Loong

H. Toyokawa, K. Hirota, M. Itoy, S. Kohara, Y. Sakurai, M. Suzuki

[44] "Microscopic Structure of Nanometer-Sized Silica Particles"
T. Uchino, S. Kohara, A. Aboshi, O. Yasuo, K. Aoki, M. Sakashita

[45] "Glass Network Structure in Noble Metal Chalcohalide Glasses"
T. Usuki, K. Nakajima, T. Furukawa, T. Nasu, M. Sakurai, S. Kohara
Solid State Ionics: Science and Technology of Ions in Motion, , (2004), 835-842

[46] "Structure Refinement of i-Al-Pd-Re Quasicrystals by Synchrotron Radiation Data"
A. Yamamoto, H. Takakura, T. Ozeki, A. -P. Tsai, Y. Ohashi

[2005]

[47] "Synthesis and Characterization of Stable Hypervalent Carbon Compounds (10-C-5) Bearing a 2,6-Bis(p-substituted phenoxymethyl)benzene Ligand"
Journal of the American Chemical Society, 127, (2005), 5893-5901

[48] "Temperature Dependence of Isotopic Quantum Effects in Water"
R. Hart, C. Benmore, J. Neuefeind, S. Kohara, B. Tomberli, P. Egelstaff
Physical Review Letters, 94, (2005), 047801

[49] "Intermediate-Range Order in Vitreous SiO₂ and GeO₂"
S. Kohara, K. Suzuya
Journal of Physics: Condensed Matter, 17, (2005), S77-S86

[50] "Reversible Photoelectronic Signal Conversion Based on Photoisomerization-Controlled Coordination Change of Azobenzene-bipyridine Ligands to Copper"
S. Kume, M. Murata, T. Ozeki, H. Nishihara
Journal of the American Chemical Society, 127, (2005), 490-491

BL08W

Refereed Papers

[1995]

[1] "An Elliptical Wiggler for SPring-8"
X. M. Marechal, T. Tanaka, H. Kitamura

[2] "Design of an Elliptic Multipole Wiggler Beamline for High-Energy Inelastic Scattering at the SPring-8"