

- [40] "Stable and Controlled Amphoteric Doping by Encapsulation of Organic Molecules inside Carbon Nanotubes"  
T. Takenobu, Y. Iwasa, M. Shiraishi, T. Takano  
Nature Materials, **2**, (2003), 683-688
- [41] "Hydrogen Storage in C70 Encapsulated Single-Walled Carbon Nanotube"  
T. Takenobu, Y. Iwasa, M. Shiraishi  
Synthetic Metals, **135**, (2003), 787-788
- [42] "Evidence of the First-Order Nature of the Metal-Insulator Phase Transition in  $\lambda$ -(BEDT-TSF)<sub>2</sub>FeCl<sub>4</sub>"  
M. Watanabe, S. Komiyama, R. Kiyonagi, Y. Noda, E. Negishi, N. Toyota  
Journal of the Physical Society of Japan, **72**, (2003), 452-453
- [43] "Non-Destructive Estimation of Residual Stress Distribution of Shot Peened Steels Based on Nonlinear Analysis of  $\sin^2\phi$  Diagrams"  
E. Yanase, K. Nishio, Y. Kusumi, K. Arai, Y. Akiniwa, K. Tanaka  
日本機械学会論文集 A 編 (Transaction of the Japan Society of Mechanical Engineers), **69**, (2003), 993-1000
- [44] "Residual Stress Evaluation by X-Rays from Synchrotron Radiation Source"  
E. Yanase  
Doctor Thesis (Nagoya University), , (2003),
- [45] "Lattice Distortion of YMn<sub>2</sub>O<sub>5</sub> at Ferroelectric Transition"  
I. Kagomiya, S. Matsumoto, K. Kohn, Y. Fukuda, T. Shobu, H. Kimura, Y. Noda, N. Ikeda  
Ferroelectrics, **286**, (2003), 889-896
- [46] "CDW-Induced Negative Thermal Expansion in Two-Dimensional Conductor  $\eta$ -Mo<sub>4</sub>O<sub>11</sub>"  
H. Negishi, Y. Kuroiwa, H. Akamine, S. Aoyagi, A. Sawada, T. Shobu, S. Negishi, M. Sasaki  
Solid State Communications, **125**, (2003), 45-49
- [47] "Review and Prospect of Ferroelectricity and Magnetism in YMn<sub>2</sub>O<sub>5</sub>"  
Y. Noda, Y. Fukuda, H. Kimura, I. Kagomiya, S. Matsumoto, K. Kohn, T. Shobu, N. Ikeda  
Journal of the Korean Physical Society, **42**, (2003), S1192-S1195
- [48] "Photoexcited Crystallography of Diplatinum Complex by Multiple-Exposure IP Method"  
Y. Ozawa, M. Terashima, M. Mitsumi, K. Toriumi, N. Yasuda, H. Uekusa, Y. Ohashi  
Chemistry Letters, **32**, (2003), 62-63
- [49] "Structural Phase Transition in  $\theta$ -(BEDT-TTF)<sub>2</sub>RbM'(SCN)<sub>4</sub> (M'=Zn, Co)"  
M. Watanabe, Y. Noda, Y. Nogami, H. Mori, S. Tanaka  
Synthetic Metals, **133-134**, (2003), 283-285
- [2004]
- [50] "Studies of Unusual Magnetic and Electronic Properties of the Low-Carrier System CeP by Synchrotron X-rays"  
M. Kogi, K. Iwasa, K. Kuwahara, A. Hannan, D. Kawana, Y. Noda, T. Shobu, K. Katsumata, Y. Narumi, Y. Tabata  
Physica B, **345**, (2004), 55-58
- [51] "Structural Phase Transition of  $\theta$ -(BEDT-TTF)<sub>2</sub>RbZn(SCN)<sub>4</sub> under High Pressure."  
M. Watanabe, Y. Noda, Y. Nogami, H. Mori  
Journal of the Physical Society of Japan, **73**, (2004), 921-925

## BL02B2

### Refereed Journals

[2000]

- [1] "Silicon Clathrate with an  $f$ -Electron System"  
T. Kawaguchi, K. Tanigaki, M. Yasuoka  
Physical Review Letters, **85**, (2000), 3189-3192
- [2] "Ferromagnetism in Germanium Clathrate: Ba<sub>8</sub>Mn<sub>2</sub>Ge<sub>44</sub>"  
T. Kawaguchi, K. Tanigaki, M. Yasukawa  
Applied Physics Letters, **77**, (2000), 3438-3440
- [3] "Phase Separation and Insulator-Metal Behavior of Doped Manganites"  
A. Machida, Y. Moritomo, E. Nishibori, M. Takata, M. Sakata, K. Ohoyama, S. Mori, N. Yamamoto, A. Nakamura  
Physical Review B, **62**, (2000), 3883-3887

- [4] "Microdomain Structure of Cr-Doped Manganites:  $\text{Nd}_{1/2}\text{Ca}_{1/2}(\text{Mn,Cr})\text{O}_3$ "  
A. Machida, Y. Moritomo, E. Nishibori, M. Takata, M. Sakata, K. Ohoyama, S. Mori, N. Yamamoto, A. Nakamura  
Journal of the Physical Society of Japan, **69**, (2000), 3536–3539
- [5] "Structural Studies of Cation Disorder in the Ferroelectric Oxide  $\text{SrBi}_2\text{Ta}_2\text{O}_9$ "  
R. Macquart, Brendan J. Kennedy, Y. Kubota, E. Nishibori, M. Takata  
Ferroelectrics, **248**, (2000), 27–32
- [6] "Electron Doping Effects in Conducting  $\text{Sr}_2\text{FeMoO}_6$ "  
Y. Moritomo, Sh. Xu, T. Akimoto, A. Machida, N. Hamada, K. Ohoyama, E. Nishibori, M. Takata, N. Sakata  
Physical Review B, **62**, (2000), 14224–14228
- [7] "Room-Temperature Magnetoresistance in Fe-Site-Substituted  $\text{Sr}_2\text{FeMoO}_6$ "  
Y. Moritomo, H. Kusuya, T. Akimoto, A. Machida  
Japanese Journal of Applied Physics, **39**, (2000), L360–L362
- [8] "Electronic Structure of Double-Perovskite Transition-Metal Oxide"  
Y. Moritomo, Sh. Xu, A. Machida, T. Akimoto, E. Nishibori, M. Takata, M. Sakata  
Physical Review B, **61**, (2000), R7827–R7830
- [9] "Metal-Insulator Transition Induced by a Spin-State Transition in  $\text{TbBaCo}_2\text{O}_{5+\delta}$  ( $\delta=0.5$ )"  
Y. Moritomo, T. Akimoto, M. Takeo, A. Machida, E. Nishibori, M. Takata, M. Sakata, K. Ohoyama, A. Nakamura  
Physical Review B, **61**, (2000), R13325–R13328
- [10] "Crystal and Magnetic Structure of Conducting Double Perovskite  $\text{Sr}_2\text{FeMoO}_6$ "  
Y. Moritomo, S. Xu, A. Machida, T. Akimoto, E. Nishibori, M. Takata, M. Sakata, K. Ohoyama  
Journal of the Physical Society of Japan, **69**, (2000), 1723–1726
- [11] "Structure and Raman behaviour of  $\text{Sm}_2\text{Fe}_3\text{C}_6\text{O}$ "  
T. Takenobu, Y. Iwasa  
Journal of Physics: Condensed Matter, **12**, (2000), 8919–8926
- [12] "Synthesis and Structure of  $\text{Ba}_x\text{C}_7\text{O}$ "  
T. Takenobu, Y. Iwasa  
Molecular Crystals and Liquid Crystals, **340**, (2000), 617–622
- [13] "Structure and Magnetic Characterisation of  $\text{Ce@C}_82$ "  
T. Takenobu, Y. Iwasa  
Molecular Crystals and Liquid Crystals, **340**, (2000), 635–638
- [14] "Antiferromagnetism and Phase Diagram in Ammoniated Alkali Fulleride Salts"  
T. Takenobu, Y. Iwasa  
Physics Review Letters, , (2000), 381–384
- [15] "Synthesis, Structure, and Transport Properties of Novel Fullerides  $\text{A}_3\text{C}_7\text{O}$  (A=Ba and Sm)"  
T. Takenobu, Y. Iwasa  
Journal of the American Chemical Society, , (2000), 5729–5732
- [16] " $\text{C}_{66}$  Fullerene Encaging a Scandium Dimer"  
C. Wang, T. Kai, T. Tomiyama, T. Yoshida, Y. Kobayashi, E. Nishibori, M. Takata, M. Sakata, H. Shinohara  
Nature, **408**, (2000), 426–427
- [17] "Structure of Laser-Crystallized  $\text{Ge}_2\text{Sb}_{2+x}\text{Te}_5$  Sputtered Thin Films for Use in Optical Memory"  
N. Yamada, T. Matsunaga  
Journal of Applied Physics, **88**, (2000), 7020–7028
- [18] "Observation of Charge Stripes in Cupric Oxide"  
X. G. Zheng, C. N. Xu, Y. Tomokiyo, E. Tanaka, H. Yamada, Y. Soejima  
Physical Review Letters, **85**, (2000), 5170–5173
- [2001]
- [19] "Dimer Structure of  $\text{Sm}_3\text{C}_{70}$ "  
H. Dam, X. H. Chen, T. Takenobu, T. Itou, Y. Iwasa, T. Mitani, E. Nishibori, M. Takata, M. Sakata  
Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems; ISNM 2001 (AIP Conference Proceedings 590), **CP590**, (2001), 447–450
- [20] "Structural Properties and Thermodynamic Stability of Ba-Doped Silicon Type-I Clathrates Synthesized under High Pressure"  
A. Kitano, K. Moriguchi, M. Yonemura, S. Munetoh, A. Shintani, H. Fukuoka, S. Yamanaka, E. Nishibori, M. Takata, M. Sakata  
Physical Review B, **64**, (2001), 045206

- [21] "Evidence for Pb–O Covalency in Tetragonal PbTiO<sub>3</sub>"  
Y. Kuroiwa, S. Aoyagi, A. Sawada, J. Harada, E. Nishibori, M. Takata, M. Sakata  
Physical Review Letters, **87**, (2001), 217601
- [22] "Structural Change at Metal–Insulator Transition of Tb<sub>2</sub>Ba<sub>2</sub>Co<sub>4</sub>O<sub>11</sub>"  
H. Kusuya, A. Machida, Y. Moritomo, K. Kato, E. Nishibori, M. Takata, M. Sakata, A. Nakamura  
Journal of the Physical Society of Japan, **70**, (2001), 3577–3580
- [23] "Multiwalled Carbon Nanotubes Grown in Hydrogen Atmosphere: An X–Ray Diffraction Study"  
Y. Maniwa, R. Fujiwara, H. Kira, H. Tou, E. Nishibori, M. Takata, M. Sakata, A. Fujiwara, X. Zhao, S. Iijima, Y. Ando  
Physical Review B, **64**, (2001), 073105
- [24] "Thermal Expansion of Single–Walled Carbon Nanotube (SWNT) Bundles: X–Ray Diffraction Studies"  
Y. Maniwa, R. Fujiwara, H. Kira, H. Tou, H. Kataura, S. Suzuki, Y. Achiba, E. Nishibori, M. Takata, M. Sakata, A. Fujiwara, H. Suematsu  
Physical Review B, **64**, (2001), 241402
- [25] "Structural Study of a Ag<sub>3.4</sub>In<sub>3.7</sub>Sb<sub>76.4</sub>Te<sub>16.5</sub> Quadruple Compound Utilized for Phase–Change Optical Disks"  
T. Matsunaga, Y. Umetani, N. Yamada  
Physical Review B, **64**, (2001), 184116
- [26] "Charge Ordering in the Geometrically Frustrated Spinel AlV<sub>2</sub>O<sub>4</sub>"  
K. Matsuo, T. Katsufuji, S. Mori, Y. Moritomo, A. Machida, E. Nishibori, M. Takata, M. Sakata, N. Yamamoto, H. Takagi  
Journal of the Physical Society of Japan, **70**, (2001), 1456–1459
- [27] "CnF<sub>2n+2</sub> Intercalation in Polyacetylene"  
A. Matsushita, K. Akagi, G. Piao, Y. Yamada  
Synthetic Metals, **119**, (2001), 377–378
- [28] "Determination of Spatially Hybridized Charge Distribution and Its Effect on Electron Transport in the Al–Cu–Ru–Si 1/1 —Approximant–Theoretical Basis for the Hume–Rothery Rule—"  
U. Mizutani, T. Takeuchi, E. Banno, V. Fournée, M. Takata, H. Sato  
Materials Research Society Symposia Proceedings, **643**, (2001), K13.1.1–K13.1.10
- [29] "Chemical Pressure Control of Exchange Interaction in Mo Pyrochlore"  
Y. Moritomo, Sh. Xu, A. Machida, T. Katsufuji, E. Nishibori, M. Takata, M. Sakata, S–W. Cheong  
Physical Review B, **63**, (2001), 144425
- [30] "Effects of B–Site Disorder in Sr<sub>2</sub>FeMoO<sub>6</sub> with Double Perovskite Structure"  
Y. Moritomo, N. Shimamoto, S. Xu, A. Machida, E. Nishibori, M. Takata, M. Sakata, A. Nakamura  
Japanese Journal of Applied Physics, **40**, (2001), L672–L674
- [31] "Fe–Site Substitution Effects on Conductive Ferromagnet Sr<sub>2</sub>FeMoO<sub>6</sub>"  
Y. Moritomo, H. Kusuya, A. Machida, E. Nishibori, M. Takata, M. Sakata, A. Nakamura  
Journal of the Physical Society of Japan, **70**, (2001), 3182–3183
- [32] "Enhanced Specific Heat Jump in Electron–Doped CaMnO<sub>3</sub>: Spin Ordering Driven by Charge Separation"  
Y. Moritomo, A. Machida, E. Nishibori, M. Takata, M. Sakata  
Physical Review B, **64**, (2001), 214409
- [33] "Bonding Nature in MgB<sub>2</sub>"  
E. Nishibori, M. Takata, M. Sakata, H. Tanaka, T. Muranaka, J. Akimitsu  
Journal of the Physical Society of Japan, **70**, (2001), 2252–2254
- [34] "Pentagonal–Dodecahedral La<sub>2</sub> Charge Density in [80–Ih]Fullerene: La<sub>2</sub>@C<sub>80</sub>"  
E. Nishibori, M. Takata, M. Sakata, A. Taninaka, H. Shinohara  
Angewandte Chemie International Edition, **40**, (2001), 2998–2999
- [35] "The large Debye–Scherrer Camera Installed at SPring–8 BL02B2 for Charge Density Studies"  
E. Nishibori, M. Takata, K. Kato, M. Sakata, Y. Kubota, S. Aoyagi, Y. Kuroiwa, M. Yamakata, N. Ikeda  
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 1045–1048
- [36] "Charge Density Study of C<sub>60</sub> Superconductors by MEM/Rietveld Analysis"  
M. Takata, E. Nishibori, M. Shinmura, H. Tanaka, K. Tanigaki, M. Kosaka, M. Sakata  
Materials Science and Engineering A, **A312**, (2001), 66–71
- [37] "Orientational and Magnetic Transitions in Ammoniated Alkali Metal Fullerenes"  
T. Takenobu, M. Miyake, T. Muro, Y. Iwasa, T. Mitani  
Nanonetwrok Materials: Fullerenes, Nanotubes, and Related Systems; ISNM 2001 (AIP Conference Proceedings 590), **CP590**, (2001), 373–376

- [38] "Synthesis and Structure of Alkaline Earth and Rare Earth Metal Doped  $C_{70}$ "  
T. Takenobu, Y. Iwasa, T. Ito, T. Mitani  
Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems; ISNM 2001 (AIP Conference Proceedings 590), **CP590**, (2001), 385–388
- [39] "Mott–Hubbard Transition in Alkali Ammonia Fullerides"  
T. Takenobu, Y. Iwasa  
Synthetic Metal, (2001), 1173–1174
- [40] "Direct Evidence of the Hume–Rothery Stabilization Mechanism in Al–Mn–Fe–Si Mackay–Type 1/1–Cubic Approximants"  
T. Takeuchi, T. Onogi, E. Banno, U. Mizutani  
Materials Transactions, **42**, (2001), 933–938
- [41] "A Scandium Carbide Endohedral Metallofullerene:  $(Sc_2C_2)@C_{84}$ "  
C. Wang, T. Kai, T. Tomiyama, T. Yoshida, Y. Kobayashi, E. Nishibori, M. Takata, M. Sakata, H. Shinohara  
Angewandte Chemie International Edition, **40**, (2001), 397–399
- [42] "Mn–Substitution Effects on  $MgB_2$  Superconductor"  
S. Xu, Y. Moritomo, K. Kato, A. Nakamura  
Journal of the Physical Society of Japan, **70**, (2001), 1889–1891
- [43] "Evidence of Charge Stripes, Charge–Spin–Orbital Coupling and Phase Transition in a Simple Copper Oxide  $CuO$ "  
X. Zheng, C. Xu, E. Tanaka, Y. Tomokiyo, H. Yamada, Y. Soejima, Y. Yamamura, T. Tsuji  
Journal of the Physical Society of Japan, **70**, (2001), 1054–1063
- [44] "Optical Design of BL02B2 Bending Magnet Beamline at the SPring–8 for Powder Diffraction"  
M. Yamakata, S. Goto, T. Uruga, K. Takeshita, T. Ishikawa  
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 667–669  
[2002]
- [45] "Oxidization Control of Transport Properties of  $Sr_2FeMoO_{6+\delta}$  Film"  
S. Agata, Y. Moritomo, A. Machida, K. Kato, A. Nakamura  
Japanese Journal of Applied Physics, **41**, (2002), L688–L690
- [46] "Composite Structure of  $BaTiO_3$  Nanoparticle Investigated by SR X–Ray Diffraction"  
S. Aoyagi, Y. Kuroiwa, A. Sawada, I. Yamashita, T. Atake  
Journal of the Physical Society of Japan, **71**, (2002), 1218–1221
- [47] "Precise Charge Density Analysis of  $PbTiO_3$ "  
S. Aoyagi, Y. Kuroiwa, A. Sawada, E. Nishibori, M. Takata, M. Sakata, H. Tanaka, J. Harada  
Ferroelectrics, **269**, (2002), 303–308
- [48] "Direct Observation of Covalency between O and Disordered Pb in Cubic  $PbZrO_3$ "  
S. Aoyagi, Y. Kuroiwa, A. Sawada, H. Tanaka, J. Harada, E. Nishibori, M. Takata, M. Sakata  
Journal of the Physical Society of Japan, **71**, (2002), 2353–2356
- [49] "Non–Stoichiometry and Chemical Purity Effects in Thermoelectric  $Ba_8Ga_{16}Ge_{30}$  Clathrate"  
J. Bryan, B. Iversen, N. Blake, H. Metiu, G. Stucky, R. Poulsen  
Journal of Applied Physics, **92**, (2002), 7281–7290
- [50] "Temperature Dependence of Order Parameters in the Antiferroelectric Phases of Perovskite  $PbHfO_3$ "  
H. Fujishita, Y. Ishikawa  
Ferroelectrics, **269**, (2002), 135–140
- [51] "Evidence for a Ferromagnetic Transition in  $Yb_{1-x}La_xB_6$  ( $0 < x < 0.006$ )"  
F. Iga, Y. Ueda, T. Takabatake, T. Suzuki, W. Higemoto, K. Nishiyama, H. Kawanaka  
Physical Review B, **65**, (2002), 220408
- [52] "Dielectric and Structure Properties of Charge Competing System  $YFe_2O_4$ "  
N. Ikeda, R. Mori, K. Kohn, M. Mizumaki, T. Akao  
Ferroelectrics, **272**, (2002), 309–314
- [53] "High Pressure Synthesis, Crystal Structure and Physical Properties of a New Ni(II) Perovskite  $BiNiO_3$ "  
S. Ishiwata, M. Azuma, M. Takano, E. Nishibori, M. Takata, M. Sakata, K. Kato  
Journal of Materials Chemistry, **12**, (2002), 3733–3737
- [54] "The Metal–Insulator Transition in  $Y_{1-x}Ca_xTiO_3$  Caused by Phase Separation"  
K. Kato, E. Nishibori, M. Takata, M. Sakata, T. Nakano, K. Uchihira, M. Tsubota, F. Iga, T. Takabatake  
Journal of the Physical Society of Japan, **71**, (2002), 2082–2085
- [55] "First Order Orthorhombic–to–Tetragonal Phase Transition in  $Sr_{0.5}Ba_{0.5}HfO_3$ "  
Brendan J. Kennedy, L. Li, Richard F. Garrett, Y. Kubota, K. Kato  
Solid State Communications, **122**, (2002), 355–358

- [56] "Formation of a One-Dimensional Array of Oxygen in a Microporous Metal-Organic Solid"  
R. Kitamura, S. Kitagawa, Y. Kubota, Tatsuo C. Kobayashi, K. Kindo, Y. Mita, A. Matsuo, M. Kobayashi, H. Chang, Tadashi C. Ozawa, M. Suzuki, M. Sakata, M. Takata  
*Science*, **298**, (2002), 2358-2361
- [57] "High-Pressure Structural Analysis of (Nd,Sm)<sub>1/2</sub>Sr<sub>1/2</sub>MnO<sub>3</sub>: Origin for Pressure-Induced Charge Ordering"  
A. Kuriki, Y. Moritomo, A. Machida, E. Nishibori, M. Takata, M. Sakata, Y. Ohishi, O. Shimomura, A. Nakamura  
*Physical Review B*, **65**, (2002), 113105
- [58] "High-Pressure Structural Analysis of Fe<sub>3</sub>O<sub>4</sub>"  
A. Kuriki, Y. Moritomo, Y. Ohishi, K. Kato, E. Nishibori, M. Takata, M. Sakata, N. Hamada, S. Todo, N. Mori, O. Shimomura, A. Nakamura  
*Journal of the Physical Society of Japan*, **71**, (2002), 3092-3093
- [59] "Accurate Charge-Densities of Crystalline Materials Obtained by Third Generation SR and MEM/Rietveld Analysis"  
Y. Kuroiwa, S. Aoyagi, A. Sawada, E. Nishibori, M. Takata, M. Sakata, H. Tanaka, J. Harada  
*Ferroelectrics*, **268**, (2002), 23-28
- [60] "Microscopic Charge Separation in Tb<sub>1-x</sub>Ca<sub>x</sub>MnO<sub>3</sub> (x<sub>1</sub>)"  
A. Machida, Y. Moritomo, S. Mori, N. Yamamoto, K. Ohoyama, E. Nishibori, M. Takata, M. Sakata, T. Otomo, A. Nakamura  
*Journal of the Physical Society of Japan*, **71**, (2002), 27-30
- [61] "A Study of Highly Symmetrical Crystal Structures, Commonly Seen in High-Speed Phase-Change Materials, Using Synchrotron Radiation"  
T. Matsunaga, N. Yamada  
*Japanese Journal of Applied Physics*, **41**, (2002), 1674-1678
- [62] "Low-Temperature Structure of [Fe(ptz)<sub>6</sub>](BF<sub>4</sub>)<sub>2</sub> — Determination by Synchrotron-Radiation X-Ray Powder Study —"  
Y. Moritomo, K. Kato, A. Nakamoto, N. Kojima, E. Nishibori, M. Takata, M. Sakata  
*Journal of the Physical Society of Japan*, **71**, (2002), 1015-1018
- [63] "Structural Transition Induced by Charge-Transfer in RbMn[Fe(CN)<sub>6</sub>] — Investigation by Synchrotron-Radiation X-Ray Powder Analysis —"  
Y. Moritomo, K. Kato, A. Kuriki, M. Takata, M. Sakata, H. Tokoro, S. Ohkoshi, K. Hashimoto  
*Journal of the Physical Society of Japan*, **71**, (2002), 2078-2081
- [64] "Rietveld Analyses on Hydrogenated TiNi Shape Memory Alloy and Multiple-Stage Transformation"  
T. Ohba, F. Yanagita, M. Mitsuka, T. Hara, K. Kato  
*Materials Transactions*, **43**, (2002), 798-801
- [65] "Atomic and Electronic Structure Determination for a Series of Al-Re-Si MI-type 1/1-cubic Approximants"  
T. Onogi, T. Takeuchi, H. Sato, U. Mizutani  
*Journal of Alloys and Compounds*, **342**, (2002), 397-401
- [66] "Interpretation of High Electrical Resistivity Behavior Based on the Structure Determination of the Al-Cu-(Fe,Ru)-Si 1/1 Cubic Approximants"  
T. Takeuchi, U. Mizutani  
*Journal of Alloys and Compounds*, **342**, (2002), 416-421
- [67] "MnO<sub>6</sub> Distortion and Spin Ordering in Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (x=0.55 and 0.65)"  
Sh. Xu, Y. Moritomo, A. Machida, K. Ohoyama, K. Kato, A. Nakamura  
*Physical Review B*, **66**, (2002), 024420
- [68] "Pressure Effects on the Superconductivity and Magnetization in RuSr<sub>2</sub>GdCu<sub>2</sub>O<sub>8</sub>"  
Y. Yamada, Y. Fujimoto, S. Hatanaka, T. Shibata, T. Naka, J. Tang, A. Matsushita, S. Kubo  
*Journal of Physics: Condensed Matter*, **14**, (2002), 10763-10766
- [69] "Bridging Fullerenes with Metals"  
H. Dam, Y. Iwasa, X. H. Chen, T. Takenobu, T. Ito, T. Mitani, E. Nishibori, M. Takata, M. Sakata, Y. Kubozono  
*Chemical Physics Letters*, **359**, (2002), 177-183
- [70] "Crystal Structure and Magnetic Properties of Hexagonal RMnO<sub>3</sub> (R=Y, Lu, and Sc) and the Effect of Doping"  
T. Katsufuji, M. Masaki, A. Machida, Y. Moritomo, K. Kato, E. Nishibori, M. Takata, M. Sakata, K. Ohoyama, K. Kitazawa, H. Takagi  
*Physical Review B*, **66**, (2002), 134434

- [71] "Structural Study of Perovskite-Type Fine Particles by Synchrotron Radiation Powder Diffraction"  
Y. Kuroiwa, S. Aoyagi, A. Sawada, H. Ikawa, I. Yamashita, N. Inoue, T. Atake  
Journal of Thermal Analysis Calorimetry, **69**, (2002), 933-938
- [72] "Pressure-Induced Phase Transition in  $Mn_3O_4$  as Investigated by Raman Spectroscopy"  
X. Liu, S. Xu, K. Kato, Y. Moritomo  
Journal of the Physical Society of Japan, **71**, (2002), 2820-2821
- [73] "Structural Investigation of  $Pb_y(Zr_{0.57}Ti_{0.43})_{2-y}O_3$  Films Deposited on Pt(001)/MgO(001) Substrates by RF Sputtering"  
T. Matsunaga, T. Hosokawa, Y. Umetani, R. Takayama, I. Kanno  
Physical Review B, **66**, (2002), 064102
- [74] "Structural Analysis of  $[Fe(ptz)_6](BF_4)_2$  under Photo-Excitation —Condensation of Photo-Excited High-Spin Ions—"  
Y. Moritomo, K. Kato, A. Kuriki, A. Nakamoto, N. Kojima, M. Takata, M. Sakata  
Journal of the Physical Society of Japan, **71**, (2002), 2609-2612
- [75] "Chemical Bonding of Hydrogen in  $MgH_2$ "  
T. Noritake, M. Aoki, S. Towata, Y. Seno, Y. Hirose, E. Nishibori, M. Takata, M. Sakata  
Applied Physics Letters, **81**, (2002), 2008-2010
- [76] "Anomalous Spin Density Distribution in  $CeB_6$ "  
M. Saitoh, N. Okada, E. Nishibori, H. Takagiwa, T. Yokoo, M. Nishi, K. Kakurai, S. Kunii, M. Takata, M. Sakata, J. Akimitsu  
Journal of the Physical Society of Japan, **71**, (2002), 2369-2372
- [77] "Orbital Hybridization and Covalency in Paraelectric and Ferroelectric  $SrBi_2Nb_2O_9$ "  
Y. Shimakawa, H. Imai, H. Kimura, S. Kimura, Y. Kubo, E. Nishibori, M. Takata, M. Sakata, K. Kato, Z. Hiroi  
Physical Review B, **66**, (2002), 144110
- [78] "High Resolution Debye-Scherrer Camera Installed at SPring-8"  
M. Takata, E. Nishibori, K. Kato, Y. Kubota, Y. Kuroiwa, M. Sakata  
Advances in X-Ray Analysis, **45**, (2002), 377-384
- [79] "Charge Density Level Structures of Endohedral Metallofullerenes Determined by Synchrotron Radiation Powder Method"  
M. Takata, E. Nishibori, M. Sakata, H. Shinohara  
New Diamond and Frontier Carbon Technology, **12**, (2002), 271-286
- [2003]
- [80] "Structural Change of  $Li_{1-x}Ni_{0.5}Mn_{0.5}O_2$  Cathode Materials for Lithium-Ion Batteries by Synchrotron Radiation"  
Y. Arachi, H. Kobayashi, S. Emura, Y. Nakata, M. Tanaka, T. Asai  
Chemistry Letters, **32**, (2003), 60-61
- [81] "The Crystal and Magnetic Structure of  $Eu_4Ga_8Ge_{16}$ "  
M. Christensen, B. Iversen, H. Birkedal, J. Bryan, G. Stucky, B. Lebech  
Physical Review B, **68**, (2003), 174428
- [82] "Pressure-Induced Structural Phase Transition in Fullerides Doped with Rare-Earth Metals"  
H. Dam, Y. Iwasa, K. Uehara, T. Takenobu, T. Ito, T. Mitani, E. Nishibori, M. Takata, M. Sakata, Y. Ohishi, K. Kato, Y. Kubozono  
Physical Review B, **67**, (2003), 094101
- [83] "Pressure Effects on the Superconductivity in  $FeSr_2YCu_2O_{7+\delta}$  Oxide Superconductor"  
H. Hamada, T. Shibata, Y. Yamada, S. Kubo, A. Matsushita  
Physica C, **388-389**, (2003), 367
- [84] "Coherent Domain Growth under Photo-Excitation in a Prussian Blue Analogue"  
M. Hanawa, Y. Moritomo, A. Kuriki, J. Tateishi, K. Kato, M. Takata, M. Sakata  
Journal of the Physical Society of Japan, **72**, (2003), 987-990
- [85] "Metallic Phase in Potassium Fulleride  $K_3C_{70}$  Electrical, Magnetic, and Structural Properties of  $K_4C_{70}$ "  
T. Hara, M. Kobayashi, Y. Akahama, H. Kawamura, M. Kosaka, K. Tanigaki  
Physical Review B, **68**, (2003), 45401\_1-45401\_4
- [86] "Direct Observation of Charge Transfer in Double-Perovskite-Like  $RbMn[Fe(CN)_6]$ "  
K. Kato, Y. Moritomo, M. Takata, M. Sakata, M. Umekawa, N. Hamada, S. Ohkoshi, H. Tokoro, K. Hashimoto  
Physical Review Letters, **91**, (2003), 255502

- [87] "Structural Phase Transitions in the Layered Bismuth Oxide  $\text{BaBi}_4\text{Ti}_4\text{O}_{15}$ "  
Brendan J. Kennedy, Y. Kubota, Grett A. Hunter, . Ismunandar, K. Kato  
Solid State Communications, **126**, (2003), 653–658
- [88] "Covalent Bonds and Their Crucial Effects on Pseudogap Formation in  $\alpha$ -Al(Mn, Re)Si Icosahedral Quasicrystalline Approximant"  
K. Kirihara, T. Nagata, K. Kimura, K. Kato, M. Takata, E. Nishibori, M. Sakata  
Physical Review B, **68**, (2003), 014205
- [89] "Changes in the Structure and Physical Properties of the Solid Solution  $\text{LiNi}_{1-x}\text{Mn}_x\text{O}_2$  with Variation in Its Composition"  
H. Kobayashi, H. Sakaebe, H. Kageyama, K. Tatsumi, Y. Arachi, T. Kamiyama  
Journal of Materials Chemistry, **13**, (2003), 590–595
- [90] "Development of Single-Component Molecular Metals Based on Extended-TTF Dithiolate Ligands"  
A. Kobayashi, W. Suzuki, E. Fujiwara, H. Tanaka, Y. Fujishiro, E. Nishibori, M. Takata, M. Sakata, Y. Okanao, H. Kobayashi  
Synthetic Metals, **135–136**, (2003), 511–513
- [91] "Charge Density Study of Negative-Thermal-Expansion Material  $\text{ZrW}_2\text{O}_8$ "  
A. Kojima, Y. Kuroiwa, S. Aoyagi, A. Sawada, Y. Yamamura, N. Nakajima, T. Tsuji  
Journal of the Korean Physical Society, **42**, (2003), S1257–S1260
- [92] "Electrical Resistivity and Photoemission Spectra of Layered Oxysulfide  $(\text{La}_{1-x}\text{Ca}_x\text{O})\text{Cu}_{1-x}\text{Ni}_x\text{S}$ "  
T. Kouichi, T. Shimizu, K. Makihara, H. Sato, H. Negishi, Y. Takahashi, Y. Takano, K. Sekizawa, Y. Kuroiwa, S. Aoyagi, A. Utsumi, A. Wada, A. Ino, H. Namatame, M. Taniguchi  
Physica B, **329–333**, (2003), 898–899
- [93] "N-Channel Field Effect Transistors with Fullerene Thin Films and Their Application to a Logic Gate Circuit"  
Y. Kubozono, K. Tanigaki, T. Kanbara, K. Shibata, S. Fujiki, S. Kashino, T. Urisu, M. Sasaki, A. Fujiwara, R. Kumashiro, K. Tanigaki  
Chemical Physics Letters, **379**, (2003), 223–229
- [94] "Atomic Replacement Effect on Electron Charge Density of Perovskite Oxides"  
Y. Kuroiwa, S. Aoyagi, A. Sawada, E. Nishibori, M. Takata, M. Sakata, H. Tanaka, J. Harada  
Journal of the Korean Physical Society, **42**, (2003), S1425–S1428
- [95] "Electron Charge Density Study on the Bonding Nature in  $\text{MoO}_3$ "  
Y. Kuroiwa, N. Sato, A. Sawada, S. Negishi, H. Negishi, S. Aoyagi  
Journal of the Physical Society of Japan, **72**, (2003), 2811–2815
- [96] " $\text{C}_{70}$  Molecular Stumbling Inside Single-Walled Carbon Nanotubes"  
Y. Maniwa, H. Kataura, M. Abe, A. Fujiwara, R. Fujiwara, H. Kira, H. Tou, S. Suzuki, Y. Achiba, E. Nishibori, M. Takata, M. Sakata, H. Suematsu  
Journal of the Physical Society of Japan, **72**, (2003), 45–48
- [97] "Structural Transformation from Single-wall to Double-wall Carbon Nanotube Bundles"  
Y. Maniwa, M. Abe, H. Kataura, H. Kira, T. Kodama, S. Suzuki, Y. Achiba, K. Kato, M. Takata, A. Fujiwara, K. Matsuda  
Physical Review B, **68**, (2003), 041405R1–4
- [98] "A One-Dimensional Ising Model for  $\text{C}_{70}$  Molecular Ordering in  $\text{C}_{70}$ -Peapods"  
Y. Maniwa, H. Kataura, K. Matsuda, Y. Okabe  
New Journal of Physics, **5**, (2003), 127.1–5
- [99] "Displacive Character of the Cubic-Tetragonal Transition in  $\text{CH}_3\text{NH}_3\text{PbX}_3$ "  
H. Mashiyama, Y. Kawamura, E. Magoe, Y. Kubota  
Journal of the Korean Physical Society, **42**, (2003), S 1026–S 1029
- [100] "Charge Ordering and Spin Frustration in  $\text{AlV}_{2-x}\text{Cr}_x\text{O}_4$ "  
K. Matsuno, T. Katsufuji, S. Mori, M. Nohara, A. Machida, Y. Morimoto, K. Kato, E. Nishibori, M. Takata, M. Sakata, K. Kitazawa, H. Takagi  
Physical Review Letters, **90**, (2003), 096404
- [101] "Physical Pressure Effect on the Charge-Ordering Transition of  $\text{BaSmFe}_2\text{O}_{5.0}$ "  
Y. Moritomo, M. Hanawa, Y. Ohishi, K. Kato, J. Nakamura, M. Karppinen, H. Yamauchi  
Physical Review B, **68**, (2003), 060101
- [102] "Addenda to "Structural Transition Induced by Charge-Transfer in  $\text{RbMn}[\text{Fe}(\text{CN})_6]$ "  
Y. Moritomo, K. Kato, A. Kuriki, M. Takata, M. Sakata, H. Tokoro, S. Ohkoshi, K. Hashimoto  
Journal of the Physical Society of Japan, **72**, (2003), 2698

- [103] "Pressure- and Photoinduced Metastable Structure in  $\text{RbMn}[\text{Fe}(\text{CN})_6]$ "  
Y. Moritomo, M. Hanawa, Y. Ohishi, K. Kato, M. Takata, A. Kuriki, E. Nishibori, M. Sakata, S. Ohkoshi, H. Tokoro, K. Hashimoto  
*Physical Review B*, **68**, (2003), 144106
- [104] "Specific-Heat Anomaly Caused by Ferroelectric Nanoregions in  $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$  and  $\text{Pb}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3$  Relaxors"  
Y. Moriya, H. Kawaji, T. Tojo, T. Atake  
*Physical Review Letters*, **90**, (2003), 205901
- [105] "X-Ray Diffraction Studies of Fe-N Bulk-Processed in a Magnetic Field Using Synchrotron Radiation"  
T. Ohba, N. Kanou, T. Koyano, H. Ikeda, H. Ohtsuka, H. Wada, K. Kato  
*Materials Transactions*, **44**, (2003), 2537-2540
- [106] "Capacity Fading of the Acid-Treated Lithium Manganese Oxides in High-Temperature Storage"  
M. Saitoh, S. Yoshida, H. Yamane, M. Sano, M. Fujita, K. Kifune, Y. Kubota  
*Journal of Power Sources*, **122**, (2003), 162-168
- [107] "Study of Crystal Structure at High Temperature Phase in  $\text{KIO}_3$  Crystal by Synchrotron Powder X-Ray Diffraction"  
H. Kasatani, S. Aoyagi, Y. Kuroiwa, K. Yagi, R. Katayama, H. Terauchi  
*Nuclear Instruments and Methods in Physics Research Section A*, **199**, (2003), 49-53
- [108] "CDW-Induced Negative Thermal Expansion in Two-Dimensional Conductor  $\eta\text{-Mo}_4\text{O}_{11}$ "  
H. Negishi, Y. Kuroiwa, H. Akamine, S. Aoyagi, A. Sawada, T. Shobu, S. Negishi, M. Sasaki  
*Solid State Communications*, **125**, (2003), 45-49
- [109] "Charge-Density Study of the High Temperature Orthorhombic Phase in Ferrielastic  $\text{CsLiCrO}_4$ "  
A. Sawada, N. Sato, S. Aoyagi, I. Hashiguchi, Y. Kuroiwa  
*Ferroelectrics*, **284**, (2003), 185-191
- [110] "Highly Conducting Crystals Based on Single-Component Gold Complexes with Extended-TTF Dithiolate Ligands"  
W. Suzuki, E. Fujiwara, A. Kobayashi, Y. Fujishiro, E. Nishibori, M. Takata, M. Sakata, H. Fujiwara, H. Kobayashi  
*Journal of the American Chemical Society*, **125**, (2003), 1486-1487
- [111] "Synthesis, Structure, and Magnetic Properties of the Fullerene-Based Ferromagnets  $\text{Eu}_3\text{C}_{70}$  and  $\text{Eu}_9\text{C}_{70}$ "  
T. Takenobu, H. Dam, S. Margadonna, K. Prassides, Y. Kubozono, Andrew N. Fitch, K. Kato, Y. Iwasa  
*Journal of the American Chemical Society*, **125**, (2003), 1897-1904
- [112] "Stable and Controlled Amphoteric Doping by Encapsulation of Organic Molecules inside Carbon Nanotubes"  
T. Takenobu, Y. Iwasa, M. Shiraishi, T. Takano  
*Nature Materials*, **2**, (2003), 683-688
- [113] "Superconductivity, Mott-Hubbard States, and Molecular Orbital Order in Intercalated Fullerides"  
T. Takenobu, Y. Iwasa  
*Journal of Physics: Condensed Matter*, **15**, (2003), R495-R519
- [114] "Metal-Insulator Transition in  $\text{C}_{60}$  Fullerides"  
T. Takenobu, Y. Iwasa  
*Physica C*, (2003), 615-616
- [115] "Contribution of Local Atomic Arrangements and Electronic Structure to High Electrical Resistivity in the  $\text{Al}_{86.2-x}\text{Re}_{17.4}\text{Si}_x$  ( $7 < x < 12$ ) 1/1-1/1-1/1 Approximant"  
T. Takeuchi, T. Onogi, T. Otagiri, U. Mizutani, H. Sato, K. Kato, T. Kamiyama  
*Physical Review B*, **68**, (2003), 184203
- [116] "Structure and Physical Properties of  $\text{C}_{60}$  Field Effect Transistor"  
K. Tanigaki  
*Proceeding of the 2003 Electrochemical Society*, (2003),
- [117] "Mechanism of Superconductivity in the Polyhedral Network Compound  $\text{Ba}_8\text{Si}_{46}$ "  
K. Tanigaki, Y. Moritomo, T. Shimizu, K. M. Itoh, J. Teraoka, S. Yamanaka  
*Nature Materials*, **2**, (2003), 653-655
- [118] "Hole-doping and Pressure Effects on the Metal-Insulator Transition in Single Crystals of  $\text{Y}_{1-x}\text{Ca}_x\text{TiO}_3$  ( $0.37 < x < 0.41$ )"  
M. Tsubota, I. Fumitoshi, N. Toshihiro, U. Kazuyuki, K. Souichiro, T. Masaki, B. Yoshio, U. Kazunori, T. Toshio, E. Nishibori, T. Masaki, S. Makoto, K. Kato, O. Yasuo  
*Journal of the Physical Society of Japan*, **72**, (2003), 3182-3188

- [119] "Order–Disorder Mechanism of the I–II Phase Transition in CsZnPO<sub>4</sub>"  
I. Yamashita, H. Kawaji, T. Atake, Y. Kuroiwa, A. Sawada  
Physical Review B, **67**, (2003), 014104
- [120] "Particle–Size Effect on the III–IV Phase Transition in CsZnPO<sub>4</sub>"  
I. Yamashita, H. Kawaji, T. Atake, Y. Kuroiwa, A. Sawada  
Physical Review B, **68**, (2003), 092104
- [121] "Structural Defects Effect on Ferromagnetism of Layered Oxysulfide (La<sub>1-x</sub>Ca<sub>x</sub>O)Cu<sub>1-x</sub>Ni<sub>x</sub>S"  
K. Takase, T. Shimizu, K. Makihara, Y. Takahashi, Y. Takano, K. Sekikawa, Y. Kuroiwa, S. Aoyagi, E. Utsumi  
Physica B, **329–333**, (2003), 961–962
- [2004]
- [122] "Direct Observation of Bonding and Charge Ordering in (EDO–TTF)2PF6"  
S. Aoyagi, K. Kato, A. Ota, H. Yamochi, G. Saito, H. Suematsu, M. Sakata, M. Takata  
Angewandte Chemie International Edition, , (2004),
- [123] "Compositional Dependence of X–Ray Absorption Spectra and Magnetic Circular Dichroism and Near–Edge Structure at Co K Edge in La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> (0 ≤ x ≤ 0.6)"  
T. Hanashima, S. Azuhata, K. Yamawaki, N. Shimizu, T. Mori, M. Tanaka, S. Sasaki  
Japanese Journal of Applied Physics, **43**, (2004), accepted
- [124] "Structure Analysis of Zn–Mg–Ho Icosahedral Quasicrystal by Modified Rietveld Method using Ellipsoid and Sphere Windows"  
T. Ishimasa, K. Oyamada, Y. Arichika, E. Nishibori, M. Takata, M. Sakata, K. Kato  
Journal of Non–Crystalline Solids, **334&335**, (2004), 167–172
- [125] "Interstitial Zn Atoms do the Trick in Thermoelectric Zinc Antimonide, Zn<sub>4</sub>Sb<sub>3</sub>. A Combined Maximum Entropy Method X–Ray Electron Density and an Ab Initio Electronic Structure Study"  
B. Iversen, E. Nishibori  
Chemistry – A European Journal, , (2004),
- [126] "Time–Resolved Investigation of Photoinduced Structural Change in Co–Fe Cyanides"  
M. Kamiya, M. Hanawa, Y. Moritomo, Y. Isobe, J. Tateishi, K. Kato, A. Nakamura  
Physical Review B, **69**, (2004), 052102
- [127] "Structural Determination of Li<sub>1-y</sub>Ni<sub>0.5</sub>Mn<sub>0.5</sub>O<sub>2</sub> (y = 0.5) Using a Combination of Rietveld Analysis and Maximum Entropy Method"  
H. Kobayashi, Y. Arachi, H. Kageyama, K. Tatsumi  
Journal of Materials Chemistry, **14**, (2004), 40–42
- [128] "Recent Progress in Development of Single–Component Molecular Metals"  
A. Kobayashi, E. Fujiwara, M. Sasa, W. Suzuki, Y. Fujishiro, E. Nishibori, M. Takata, M. Sakata, Y. Okano, H. Kobayashi  
Journal de Physique IV France, , (2004), in press
- [129] "Structural Investigation of GeSb<sub>2</sub>Te<sub>4</sub> : A High–Speed Phase–Change Material"  
T. Matsunaga, N. Yamada  
Physical Review B, **69**, (2004), 104111
- [130] "Pressure Effect on Charge–Ordering Transition of YBaCo<sub>2</sub>O<sub>5</sub>"  
Y. Moritomo, M. Hanawa, S. Xu, H. Ishikawa, Y. Ohishi, K. Kato, T. Honma, P. Keren, M. Karppinen, H. Yamauchi  
Physical Review B, **69**, (2004), 134118
- [131] "Anisotropic Thermal Expansion of Layered MoO<sub>3</sub> Crystal."  
H. Negishi, S. Negishi, Y. Kuroiwa, N. Sato, S. Aoyagi  
Physical Review B, **69**, (2004), 064111
- [132] "Anomalous Endohedral Structure of Gd@C<sub>82</sub> Metallofullerenes"  
E. Nishibori, K. Iwata, M. Sakata, M. Takata, H. Tanaka, H. Kato, H. Shinohara  
Physical Review B, **69**, (2004), 113412
- [133] "Low–Glancing–Angle X–ray Diffraction Study on the Relationship between Crystallinity and Properties of C<sub>60</sub> Field Effect Transistor"  
H. Ohashi, K. Tanigaki, S. Kimura, R. Kumashiro, K. Kato, M. Takata  
Applied Physics Letters, **84**, (2004), 520–522
- [134] "Disordered Zinc in Zn<sub>4</sub>Sb<sub>3</sub> with Phonon–Glass and Electron–Crystal Thermoelectric properties"  
J. Snyder, M. Christensen, E. Nishibori, T. Caillat, B. Iversen  
Nature Materials, , (2004), in press

- [135] "Chemical Composition and Crystal Structure of Superconducting Sodium Cobalt Oxide Bilayer-Hydrate"  
K. Takada, K. Fukuda, M. Osada, I. Nakai, F. Izumi, A. Ruben Dilanian, K. Kato, M. Takata, H. Sakurai, E. Takayama-Muromachi, T. Sasaki  
Journal of Materials Chemistry, **14**, (2004), 1448-1453
- [136] "Preparation of Polymer Nanohybrid via in situ Synthesis of Inorganic Nanofiber in Polymer Solution"  
A. Takahara,  
Transactions of the Materials Research Society of Japan, **29**, (2004), 149-152
- [137] "Structural analysis of intercalation compounds of pentacene"  
T. Takenobu, T. Ito, Y. Iwasa  
Journal of Physics and Chemistry of Solids, **65**, (2004), 609-613
- [138] "Structure of the  $\text{Al}_{65}\text{Rh}_{27}\text{Si}_8$  2/1-2/1-2/1 Approximant"  
T. Takeuchi, N. Koshikawa, E. Abe, K. Kato, U. Mizutani  
Journal of Non-Crystalline Solids, **334&335**, (2004), 161-166
- [139] "Azafullerene ( $\text{C}_{59}\text{N}$ )<sub>2</sub> Thin-Film Field-Effect Transistors"  
K. Tanigaki, R. Kumashiro, K. Kato, S. Aoyagi, S. Kimura, H. Ohashi, N. Tagmatarchis, H. Kato, H. Shinohara, T. Akasaka, M. Takata  
Applied Physics Letters, **84**, (2004), 2154-2156
- [140] "Lattice Distortion and Magnetolattice Coupling in  $\text{CuO}$ "  
H. Yamada, X. Zheng, Y. Soejima, M. Kawaminami  
Physical Review B, **69**, (2004), 104104-1 - 104104-7
- [141] "X-ray Analysis of Excited-State Structures of the Diplatinum Complex Anions in Five Crystals with Different Cations"  
N. Yasuda, H. Uekusa, Y. Ohashi  
Bulletin of the Chemical Society of Japan, , (2004),

## BL04B1

### Refereed Journals

[1998]

- [1] "The Postspinel Phase Boundary in  $\text{MgSiO}_4$  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  $\text{C}_{60}$  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