

[Public Beamlines]

BL01B1

Refereed Journals

[1999]

- [1] "XAFS Study on Eu@C₆₀"
T. Inoue, Y. Kubozono, K. Hiraoka, K. Mimura, H. Maeda, S. Kashino, S. Emura, T. Uruga, Y. Nakata
Journal of Synchrotron Radiation, **6**, (1999), 779-780
- [2] "High Energy XAFS Study of Sm: K-Edge in Sm₂Fe₁₇N_x"
H. Kasatani, M. Ohmura, K. Yokoyama, K. Kobayashi, Y. Nishihata, K. Yagi, H. Terauchi
Japanese Journal of Applied Physics, **38**, (1999), 433-435
- [3] "EXAFS Study on Liquid Selenium and Liquid Tellurium under High Pressure"
Y. Katayama, O. Shimomura, K. Tsuji
Journal of Non-Crystalline Solids, **250-252**, (1999), 537-541
- [4] "XANES Spectra in the Solid State Reaction of Y₂Ni"
I. Nakai, T. Tokuyoshi
Japanese Journal of Applied Physics, **38**, (1999), 488-491
- [5] "XAFS Spectra in the High-Energy Region Measured at SPring-8"
Y. Nishihata, S. Emura, H. Maeda, Y. Kubozono, M. Harada, T. Uruga, H. Tanida, Y. Yoneda, J. Mizuki, T. Emoto
Journal of Synchrotron Radiation, **6**, (1999), 149-151
- [6] "Studies on the Formation and Structure of Highly Dispersed PdO Interacted with Brønsted Acid Sites of Zeolite by EXAFS"
K. Okumura, J. Amano, M. Niwa
Chemistry Letters, **1999**, (1999), 997-998
- [7] "Feasibility Study of Silicon PN Photodiodes as X-Ray Intensity Monitors for High Flux X-Ray Beam with Synchrotron Radiation"
K. Sato
Nuclear Instruments and Methods in Physics Research Section A, **436**, (1999), 285-290
- [8] "Eu K-XAFS of Europium Dioxymonocyanamide with the Conversion He⁺ Ion Yield Method"
M. Takahashi, M. Harada, I. Watanabe, T. Uruga, H. Tanida, Y. Yoneda, S. Emura, T. Tanaka, H. Kimura, Y. Kubozono, S. Kikkawa
Journal of Synchrotron Radiation, **6**, (1999), 222-224
- [9] "Conversion Electron Yield XAFS for Ceramics and Metal Alloys"
M. Takahashi, I. Watanabe, M. Harada, Y. Mizoguchi, T. Miyanaga, E. Yanase, S. Kikkawa
材料 (Journal of the Society of Materials Science, Japan), **48**, (1999), 559-565
- [10] "Structure of Surface Tantalate Species and Photo-Oxidation of Carbon Monoxide over Silica-Supported Tantalum Oxide"
T. Tanaka, H. Nojima, T. Yamamoto, S. Takenaka, T. Funabiki, S. Yoshida
Physical Chemistry Chemical Physics, **1**, (1999), 5235-5239
- [11] "EXAFS Study of Coordination Structures of Gd-Doped Ba₂In₂O₅"
Y. Uchimoto, M. Kinuhata, T. Yao
Japanese Journal of Applied Physics, **38**, (1999), 111-114
- [12] "The XAFS Beamline BL01B1 at SPring-8"
T. Uruga, H. Tanida, Y. Yoneda, K. Takeshita, S. Emura, M. Takahashi, M. Harada, Y. Nishihata, Y. Kubozono, T. Tanaka, T. Yamamoto, H. Maeda, O. Kamishima, Y. Takabayashi, Y. Nakata, H. Kimura, S. Goto, T. Ishikawa
Journal of Synchrotron Radiation, **6**, (1999), 143-145
- [13] "Generation of Acid Sites on Silica-Supported Rare Earth Oxide Catalysts: Structural Characterization and Catalysis for α -Pinene Isomerization"
T. Yamamoto, T. Matsuyama, T. Tanaka, T. Funabiki, S. Yoshida
Physical Chemistry Chemical Physics, **1**, (1999), 2841-2849
- [14] "XAFS Study of the Structure of the Silica-Supported Ytterbium Oxide Catalyst"
T. Yamamoto, T. Tanaka, T. Matsuyama, T. Funabiki, S. Yoshida
Solid State Communications, **111**, (1999), 137-142
- [15] "Studies on the Catalysis by New Solid Acid Catalysts and the Characterization"
T. Yamamoto
Doctor Thesis (Kyoto University), , (1999),

- [2000]
- [16] "Water Vapor Tolerance of the Pd/HZSM-5 in the NO-Methane-O₂ Reaction: Its Relation with Very Strong Solid Acidity of Zeolite Support"
J. Amano, O. Shoji, K. Okumura, M. Niwa
Studies in Surface Science and Catalysis, **130**, (2000), 905-910
- [17] "Preparation of a Zeolite X-Encapsulated Copper(II) Chloride Complex and Its Catalysis for Liquid-Phase Oxygenation of Enamines in the Presence of Molecular Oxygen"
K. Ebitani, K. Nagashima, T. Mizugaki, K. Kaneda
Chemical Communications, , (2000), 869-870
- [18] "Simple and Clean Synthesis of 9,9-Bis[4-(2-Hydroxyethoxy)Phenyl]Fluorene from the Aromatic Alkylation of Phenoxyethanol with Fluoren-9-One Catalysed by Titanium Cation-Exchanged Montmorillonite"
K. Ebitani, T. Kawabata, K. Nagashima, T. Mizugaki, K. Kaneda
Green Chemistry, **2**, (2000), 157-160
- [19] "XANES Study on Coordination Geometry of Implanted Cu⁺ Ions in Silica Glass: Dependence on Doses"
K. Fukumi, A. Chayahara, H. Kageyama, K. Kadono, N. Kitamura, H. Mizoguchi, Y. Horino, M. Makihara
Journal of Non-Crystalline Solids, **271**, (2000), 171-175
- [20] "Electronic Structure of Eu@C₆₀ Studied by XANES and UV-VIS Absorption Spectra"
T. Inoue, Y. Kubozono, S. Kashino, Y. Takabayashi, K. Fujitaka, M. Hida, M. Inoue, T. Kanbara, S. Emura, T. Uruga
Chemical Physics Letters, **316**, (2000), 381-386
- [21] "Catalyst Design of Hydrotalcite Compounds for Efficient Oxidations"
K. Kaneda, K. Yamaguchi, K. Mori, T. Mizugaki, K. Ebitani
Catalysis Surveys from Japan, **4**, (2000), 31-38
- [22] "Surface Properties of Palladium Supported on Cerium Oxide and Its Catalytic Activity for Methanol Decomposition"
Y. Matsumura, Y. Ichihashi, Y. Morisawa, M. Okumura, M. Haruta
Studies in Surface Science and Catalysis, **130**, (2000), 2315-2320
- [23] "Structural Change of Palladium Particles Supported on Cerium Oxide in Catalytic Methanol Synthesis"
Y. Matsumura, W. Shen, Y. Ichihashi, H. Ando
Catalysis Letters, **68**, (2000), 181-183
- [24] "Regulation of the Dispersion of PdO through the Interaction with Acid Sites of Zeolite Studied by Extended X-Ray Absorption Fine Structure"
K. Okumura, M. Niwa
The Journal of Physical Chemistry B, **104**, (2000), 9670-9675
- [25] "X-Ray Absorption Fine Structure Study of the Formation of the Highly Dispersed PdO over ZSM-5 and the Structural Change of Pd Induced by Adsorption of NO"
K. Okumura, J. Amano, N. Yasunobu, M. Niwa
The Journal of Physical Chemistry B, **104**, (2000), 1050-1057
- [26] "Methanol Synthesis from Carbon Monoxide and Hydrogen Catalyzed over Pd/CeO₂ Prepared by the Deposition-Precipitation Method"
W. Shen, Y. Ichihashi, M. Okumura, Y. Matsumura
Catalysis Letters, **64**, (2000), 23-25
- [27] "Evaluation of Linearity for the Radiophotoluminescence Glass Dosimeter Based on Monochromatic X-Ray"
T. Shimozato, T. Tamiya, K. Tabushi, S. Koyama, S. Yoshioka, Y. Obata, M. Tsuzaka, N. Narita, T. Uruga, S. Ban, Y. Namito, T. Ikegami
医学物理 (Japanese Journal of Medical Physics), **20**, (2000), 151-158
- [28] "Syntheses and Luminescent Properties of (La_{1-x}Ln_x)₂O₂CN₂ (Ln = Pr, Sm, Eu, Tb)"
M. Takahashi, T. Hashimoto, S. Kikkawa, H. Kobayashi
材料 (Journal of the Society of Materials Science, Japan), **49**, (2000), 1230-1234
- [29] "Dependence of EXAFS (Extended X-Ray Absorption Fine Structure) Parameters of Iodide Anions in Various Solvents upon a Solvent Parameter"
H. Tanida, I. Watanabe
Bulletin of the Chemical Society of Japan, **73**, (2000), 2747-2752

- [30] "Creation of a Monomeric Ru Species on the Surface of Hydroxyapatite as an Efficient Heterogeneous Catalyst for Aerobic Alcohol Oxidation"
K. Yamaguchi, K. Mori, T. Mizugaki, K. Ebitani, K. Kaneda
Journal of the American Chemical Society, **122**, (2000), 7144-7145
- [31] "Silica-Supported Ytterbium Oxide Characterized by Spectroscopic Methods and Acid-Catalyzed Reactions"
T. Yamamoto, T. Matsuyama, T. Tanaka, T. Funabiki, S. Yoshida
Journal of Molecular Catalysis A: Chemical, **155**, (2000), 43-58
- [32] "Anharmonic Effective Pair Potentials of γ - and α -CuBr at High Pressure"
A. Yoshiasa, M. Okube, O. Ohtaka, O. Kamishima, Y. Katayama
Japanese Journal of Applied Physics, **39**, (2000), 6747-6751
[2001]
- [33] "XAFS Study on a Pressure-Induced Superconductor Cs₃C₆₀ under High Pressure"
S. Fujiki, Y. Kubozono, Y. Takabayashi, S. Kashino, S. Emura
Journal of Synchrotron Radiation, **8**, (2001), 725-727
- [34] "Partial Photooxidation of Ethylene with Water as Oxidant over Copper Oxide Supported on Silica"
Y. Ichihashi, Y. Matsumura
Journal of Catalysis, **202**, (2001), 427-429
- [35] "Ferromagnetic Transition in Europium Fullerides Eu_xSr_{6-x}C₆₀"
K. Ishii, A. Fujiwara, H. Suematsu, Y. Kubozono
Nanonetwork Materials: Fullerenes, Nanotubes, and Related Systems; ISNM 2001 (AIP Conference Proceedings 590), **CP590**, (2001), 317-320
- [36] "Effect of Calcium Sulfate Addition on the Activity of the Absorbent for Dry Flue Gas Desulfurization"
T. Ishizuka, T. Yamamoto, T. Murayama, T. Tanaka, H. Hattori
Energy & Fuels, **15**, (2001), 438-443
- [37] "Double-Electron Excitation above Xe K-Edge"
Y. Ito, T. Tochio, K. Mutaguchi, H. Ohashi, N. Shigeoka, Y. Nakata, A. Vlaicu, T. Uruga, S. Emura, Jana P. Gomilsek
Radiation Physics and Chemistry, **61**, (2001), 405-407
- [38] "High Resolution X-Ray Emission Spectroscopy"
Y. Ito, A. M. Vlaicu, T. Tochio
Application of Accelerators in Research and Industry: Sixteenth International Conference (AIP Conference Proceedings 576), **CP576**, (2001), 40-43
- [39] "Sb K-Edge Absorption Fine Structure of Sb₂Te₃"
N. Iwata, M. Harigaya, K. Tani, K. Hayakawa, T. Fujikawa
Journal of Synchrotron Radiation, **8**, (2001), 752-754
- [40] "Local Structure of Pb(II) Ion Catalysts Anchored within Zeolite Cavities and Their Photocatalytic Reactivity for the Elimination of N₂O"
W. Ju, M. Matsuoka, H. Yamashita, M. Anpo
Journal of Synchrotron Radiation, **8**, (2001), 608-609
- [41] "Catalytic Activity of Palladium Supported on Mesoporous Zirconium Oxide in Low-Temperature Methanol Decomposition"
Mahendra P. Kapoor, Y. Ichihashi, W. Shen, Y. Matsumura
Catalysis Letters, **76**, (2001), 139-142
- [42] "Electron State and Local Structure Around Sm-Atom in Sm₂Fe₁₇N_x"
H. Kasatani, M. Ohmura, K. Kobayashi, K. Yagi, H. Terauchi
International Symposium on Physics in Local Lattice Distortions (AIP Conference Proceedings 554), **CP554**, (2001), 478-482
- [43] "XAFS Study on Liquid Selenium under High Pressure"
Y. Katayama
Journal of Synchrotron Radiation, **8**, (2001), 182-185
- [44] "Photoenhanced Reduction of CO₂ by H₂ over Rh/TiO₂ Characterization of Supported Rh Species by Means of Infrared and X-Ray Absorption Spectroscopy"
Y. Kohno, T. Yamamoto, T. Tanaka, T. Funabiki
Journal of Molecular Catalysis A: Chemical, **175**, (2001), 173-178
- [45] "Structure of La₂@C₈₀ Studied by La K-Edge XAFS"
Y. Kubozono, Y. Takabayashi, S. Kashino, M. Kondo, T. Wakahara, T. Akasaka, K. Kobayashi, S. Nagase, S. Emura, K. Yamamoto
Chemical Physics Letters, **335**, (2001), 163-169

- [46] "XAFS Study on Metal Endohedral Fullerenes"
Y. Kubozono, T. Inoue, Y. Takabayashi, S. Fujiki, S. Kashino, T. Akasaka, T. Wakahara, M. Inakuma, H. Kato, T. Sugai, H. Shinohara, S. Emura
Journal of Synchrotron Radiation, **8**, (2001), 551-553
- [47] "Low-Temperature Methanol Synthesis Catalyzed over Ultrafine Palladium Particles Supported on Cerium Oxide"
Y. Matsumura, W. Shen, Y. Ichihashi, M. Okumura
Journal of Catalysis, **197**, (2001), 267-272
- [48] "Correlation between Local Structure and Chemical Behaviors of Some Transition Metal Compounds as Studied by X-Ray Absorption Spectroscopy"
S. Matsuo
Doctor Thesis (Fukuoka University), , (2001),
- [49] "Investigations on the Local Structure of Ag⁺/ZSM-5 Catalysts and Their Photocatalytic Reactivities for the Decomposition of N₂O at 298 K"
M. Matsuoka, W. Ju, H. Yamashita, M. Anpo
Journal of Synchrotron Radiation, **8**, (2001), 613-615
- [50] "Local Structure Analysis of Ga_{1-x}In_xN Alloy Using Extended X-Ray Absorption Fine Structure Measurements"
T. Miyajima, Y. Kudo, K. -Y. Liu, T. Uruga, T. Asatsuma, T. Hino, T. Kobayashi
Physica Status Solidi B, **228**, (2001), 45-48
- [51] "Catalysis of Hydroxyapatite-Bound Ru Complex: Efficient Heterogeneous Oxidation of Primary Amines to Nitriles in the Presence of Molecular Oxygen"
K. Mori, K. Yamaguchi, T. Mizugaki, K. Ebitani, K. Kaneda
Chemical Communications, , (2001), 461-462
- [52] "Local Structure Analyses of Ce_{0.5}Zr_{0.5}O₂ Mixed Oxides by XAFS"
Y. Nagai, T. Yamamoto, T. Tanaka, S. Yoshida, T. Nonaka, T. Okamoto, A. Suda, M. Sugiura
Journal of Synchrotron Radiation, **8**, (2001), 616-618
- [53] "Study on Local Structure Around Ce and Gd Atoms in CeO₂-Gd₂O₃ Binary System"
T. Nakagawa, T. Osuki, Takao A. Yamamoto, Y. Kitauji, M. Kano, M. Katsura, S. Emura
Journal of Synchrotron Radiation, **8**, (2001), 740-742
- [54] "EXAFS Spectra above Pb and Pt K Edges Observed at Low Temperature"
Y. Nishihata, J. Mizuki, S. Emura, T. Uruga
Journal of Synchrotron Radiation, **8**, (2001), 294-296
- [55] "Prominent Catalytic Activity of Ga-Containing MCM-41 in the Friedel-Crafts Alkylation"
K. Okumura, K. Nishigaki, M. Niwa
Microporous and Mesoporous Materials, **44-45**, (2001), 509-516
- [56] "XAFS Analysis of Triiodide Ion in Solutions"
H. Sakane, T. Mitsui, H. Tanida, I. Watanabe
Journal of Synchrotron Radiation, **8**, (2001), 674-676
- [57] "XAFS Analysis Applied to Solutions"
H. Sakane
Analytical Sciences, **17.Supplement**, (2001), i131-i134
- [58] "Influence of Palladium Precursors on Methanol Synthesis from CO Hydrogenation over Pd/CeO₂ Catalysts Prepared by Deposition-Precipitation Method"
W. Shen, T. Ichihashi, H. Ando, M. Okumura, M. Haruta, Y. Matsumura
Applied Catalysis A: General, **217**, (2001), 165-172
- [59] "Effect of Reduction Temperature on Structural Properties and CO/CO₂ Hydrogenation Characteristics of a Pd-CeO₂ Catalyst"
W. Shen, Y. Ichihashi, H. Ando, Y. Matsumura, M. Okumura, M. Haruta
Applied Catalysis A: General, **217**, (2001), 231-239
- [60] "Growth of Pd Particles in Methanol Synthesis over Pd/CeO₂"
W. Shen, A. Kobayashi, Y. Ichihashi, Y. Matsumura, M. Haruta
Catalysis Letters, **73**, (2001), 161-165
- [61] "XANES Study of Charge Ordering on the Spin-Peierls Phase Transition of α'-NaV₂O₅"
T. Shobu, Y. Noda, E. Ninomiya, H. Sawa, S. Nagamatsu, T. Fujikawa, Y. Ueda, M. Isobe, N. Ikeda, T. Uruga
Journal of Synchrotron Radiation, **8**, (2001), 746-748
- [62] "EXAFS Study of Sb-Te Alloy Films"
K. Tani, N. Yiwata, M. Harigaya, S. Emura, Y. Nakata
Journal of Synchrotron Radiation, **8**, (2001), 749-751

- [63] "Standard X-Ray Mirror Systems for SPring-8 Beamlines"
T. Uruga, H. Tanida, Y. Yoneda, K. Takeshita, S. Goto, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 782-784
- [64] "Structural Analysis of La/Al₂O₃ Catalysts by La K-Edge XAFS"
T. Yamamoto, T. Tanaka, T. Matsuyama, T. Funabiki, S. Yoshida
Journal of Synchrotron Radiation, **8**, (2001), 634-636
- [65] "Alumina-Supported Rare-Earth Oxides Characterized by Acid-Catalyzed Reactions and Spectroscopic Methods"
T. Yamamoto, T. Tanaka, T. Matsuyama, T. Funabiki, S. Yoshida
The Journal of Physical Chemistry B, **105**, (2001), 1908-1916
- [66] "XAFS Analysis of Corroded Metal Surfaces with Molten Salts by Conversion-Electron-Yield Method"
E. Yanase, K. Arai, I. Watanabe, M. Takahashi, Y. Dake
Journal of Synchrotron Radiation, **8**, (2001), 490-492
[2002]
- [67] "Structural Investigation of Combustion Synthesized Cu/CeO₂ Catalysts by EXAFS and Other Physical Techniques: Formation of a Ce_{1-x}Cu_xO_{2-δ} Solid Solution"
P. Bera, K. R. Priolkar, P. R. Sarode, M. S. Hegde, S. Emura, R. Kumashiro, N. P. Lalla
Chemistry of Materials, **14**, (2002), 3591-3601
- [68] "Tunable Synchrotron Radiation Used to Induce γ -Emission from the 31 Year Isomer of ¹⁷⁸Hf"
Carl B. Collins, Nicolae C. Zoita, A. Claudiu Rusu, Mugurel C. Iosif, D. T. Camase, F. Davanloo, S. Emura, T. Uruga, R. Dussart, J. Pouvesle, Calin A. Ur, I. I. Popescu, Vladimir I. Kirischuk, Nikolay V. Strilchuk, Forrest J. Agee
Europhysics Letters, **57**, (2002), 677-682
- [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] "Structures and Electronic Properties of the Catecholatoiron Complexes in Relation to Catechol Dioxygenases: Chlorocatecholatoiron Complexes are Compared to the 3,5-Di-*tert*-Butylcatecholatoiron Complex in the Solid State and in Solution"
T. Funabiki, A. Fukui, Y. Hitomi, M. Higuchi, T. Yamamoto, T. Tanaka, F. Tani, Y. Naruta
Journal of Inorganic Biochemistry, **91**, (2002), 151-158
- [71] "Ferromagnetism and Giant Magnetoresistance in the Rare-Earth Fullerides Eu_{6-x}Sr_xC₆₀"
K. Ishii, A. Fujiwara, H. Suematsu, Y. Kubozono
Physical Review B, **65**, (2002), 134431
- [72] "Environmentally Friendly Alcohol Oxidation Using Heterogeneous Catalyst in the Presence of Air at Room Temperature"
H. Ji, K. Ebitani, T. Mizugaki, K. Kaneda
Catalysis Communications, **3**, (2002), 511-517
- [73] "Structural Changes of Manganese Spinel at Elevated Temperatures"
G. Li, Y. Iijima, Y. Kudo, H. Azuma
Solid State Ionics, **146**, (2002), 55-63
- [74] "Controlled Synthesis of Hydroxyapatite-Supported Palladium Complexes as Highly Efficient Heterogeneous Catalysts"
K. Mori, K. Yamaguchi, T. Hara, T. Mizugaki, K. Ebitani, K. Kaneda
Journal of the American Chemical Society, **124**, (2002), 11572-11573
- [75] "Efficient Heterogeneous Oxidation of Organosilanes to Silanols Catalysed by a Hydroxyapatite-Bound Ru Complex in the Presence of Water and Molecular Oxygen"
K. Mori, M. Tano, T. Mizugaki, K. Ebitani, K. Kaneda
New Journal of Chemistry, **26**, (2002), 1536-1538
- [76] "X-Ray Absorption Fine Structure Analysis of Local Structure of CeO₂-ZrO₂ Mixed Oxides with the Same Composition Ratio (Ce/Zr = 1)"
Y. Nagai, T. Yamamoto, T. Tanaka, S. Yoshida, T. Nonaka, T. Okamoto, A. Suda, M. Sugiura
Catalysis Today, **74**, (2002), 225-234
- [77] "A Novel Catalyst Containing a Platinum Complex in Polyethylene Glycol Medium Supported on Silica Gel for Vapor-Phase Hydrosilylation of Acetylene with Trichlorosilane or Trimethoxysilane"
M. Okamoto, H. Kiya, H. Yamashita, E. Suzuki
Chemical Communications, , (2002), 1634-1635

- [78] "Anharmonicity of Gold under High-Pressure and High-Temperature"
M. Okube, A. Yoshiasa, O. Ohtaka, H. Fukui, Y. Katayama, W. Utsumi
Solid State Communications, **121**, (2002), 235-239
- [79] "Anharmonic Effective Pair Potentials of Gold under High Pressure and High Temperature"
M. Okube, A. Yoshiasa, O. Ohtaka, H. Fukui, Y. Katayama, W. Utsumi
Journal of Physics: Condensed Matter, **14**, (2002), 11511-11515
- [80] "Control of the Dispersion of Pd through the Interaction with Acid Sites of Zeolite Studied by EXAFS"
K. Okumura, M. Niwa
Topics in Catalysis, **18**, (2002), 85-89
- [81] "Metal-Support Interaction which Controls the Oxidation State, Structure and Catalysis of Pd"
K. Okumura, M. Niwa
Catalysis Surveys from Japan, **5**, (2002), 121-126
- [82] "Formation of $Ce_{1-x}Pd_xO_{2-\delta}$ Solid Solution in Combustion-Synthesized Pd/CeO₂ Catalyst: XRD, XPS, and EXAFS Investigation"
K. R. Priolkar, P. Bera, P. R. Sarode, M. S. Hegde, S. Emura, R. Kumashiro, N. P. Lalla
Chemistry of Materials, **14**, (2002), 2120-2128
- [83] "Study of Local Environment of Ag in Ag/CeO₂ Catalyst by EXAFS"
P. R. Sarode, K. R. Priolkar, P. Bera, M. S. Hegde, S. Emura, R. Kumashiro
Materials Research Bulletin, **37**, (2002), 1679-1690
- [84] "A Comparative Study of Palladium and Copper Catalysts in Methanol Synthesis"
W. Shen, Y. Ichihashi, Y. Matsumura
Catalysis Letters, **79**, (2002), 125-127
- [85] "Application of XANES for the Determination of Oxidation States of Co and Pb in Natural Ferromanganese Nodules"
Y. Takahashi, A. Usui, K. Okumura, T. Uruga, M. Nomura, M. Murakami, H. Shimizu
Chemistry Letters, **2002**, (2002), 366-367
- [86] "Structural Analysis of Ag-In-Sb-Te Phase-Change Material"
H. Tashiro, M. Harigaya, Y. Kageyama, K. Ito, M. Shinotsuka, K. Tani, A. Watada, N. Yiwata, Y. Nakata, S. Emura
Japanese Journal of Applied Physics, **41**, (2002), 3758-3759
- [87] "Catalytic Performance in NO Reduction and Loaging State of Precious Metal for Pt-Rh Loading Catalysts on Oxygen Storage Components"
H. Yamada, S. Miyoshi, K. Okamoto, H. Sumida, A. Takami
日本化学会誌 : 化学と工業化学 (Journal of the Chemical Society of Japan : chemistry and industrial chemistry), **2002**, (2002), 435-440
- [88] "NO Reduction with CO in the Presence of O₂ over Cu/Al₂O₃ (3) - Structural Analysis of Active Species by Means of XAFS and UV/VIS/NIR Spectroscopy"
T. Yamamoto, T. Tanaka, S. Suzuki, R. Kuma, K. Teramura, Y. Kou, T. Funabiki, S. Yoshida
Topics in Catalysis, **18**, (2002), 113-118
- [89] "NO Reduction with CO in the Presence of O₂ over Al₂O₃-Supported and Cu-Based Catalysts"
T. Yamamoto, T. Tanaka, R. Kuma, S. Suzuki, F. Amano, Y. Shimooka, Y. Kohno, T. Funabiki, S. Yoshida
Physical Chemistry Chemical Physics, **4**, (2002), 2449-2458
- [90] "Support Effect of Metal Oxide on Rh Catalysts in the CH₄-CO₂ Reforming Reaction"
S. Yokota, K. Okumura, M. Niwa
Catalysis Letters, **84**, (2002), 131-134
- [91] "Structural Change of Li_{1-x}Ni_{0.5}Mn_{0.5}O₂ 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
- [92] "Ionic Dispersion of Pt over CeO₂ by the Combustion Method: Structural Investigation by XRD, TEM, XPS, and EXAFS"
P. Bera, K. R. Priolkar, A. Gayen, P. R. Sarode, M. S. Hedge, S. Emura, R. Kumashiro, V. Jayaram, G. N. Subbanna
Chemistry of Materials, **15**, (2003), 2049-2060
- [93] "Effects of Metal Additives (M=Ti, Zr) and Oxygen Content on the Thermal Decomposition of Si-M-C-O Fibers"
K. Igashira
日本金属学会誌 (Journal of Japan Institute of Metals), **67**, (2003), 107-115

- [94] "XAFS and Gel Filtration Studies of Cadmium in Liver of Japanese Common Squid"
T. Ikemoto, T. Arai, K. Nomura, Y. Anan, T. Kunito, A. Hokura, Y. Terada, I. Nakai, S. Tanabe
Biomedical Research on Trace Elements, **14**, (2003), 323-325
- [95] "Local Structure of AgO_x Thin Layers Generating Optical near Field: an X-ray Absorption Fine Structure Study"
A. Kolobov
Japanese Journal of Applied Physics, **42**, (2003), 1022-1025
- [96] "Local Structure of Crystallized GeTe Films"
A. Kolobov, J. Tominaga, P. Fons, T. Uruga
Applied Physics Letters, **82**, (2003), 382-384
- [97] "X-Ray Absorption Spectroscopic Study on Gold Particle Formed on Titania and Alumina"
S. Matsuo, T. Tsukamoto, A. Kamigaki, Y. Okaue, T. Yokoyama, H. Wakita
X-Ray Spectrometry, **32**, (2003), 156-160
- [98] "Hydroxyapatite-Bound Cationic Ruthenium Complexes as Novel Heterogeneous Lewis Acid Catalysts for Diels-Alder and Aldol Reactions"
K. Mori, T. Hara, T. Mizugaki, K. Ebitani
Journal of the American Chemical Society, **125**, (2003), 11460-11461
- [99] "Local Structural Information of Cs in Smectite Hydrates by Means of an EXAFS Study and Molecular Dynamics Simulations"
M. Nakano, K. Kawamura, Y. Ichikawa
Applied Clay Science, **23**, (2003), 15-23
- [100] "Structural Study on Highly Oxidized States of a Water Oxidation Complex [Ru^{III}(bpy)₂(H₂O)]₂(μ -O)⁴⁺ by Ruthenium K-Edge X-ray Absorption Fine Structure Spectroscopy"
K. Okamoto, J. Miyawaki, K. Nagai, D. Matsumura, A. Nojima, T. Yokoyama, H. Kondoh, T. Ohta
Inorganic Chemistry, **42**, (2003), 8682-8689
- [101] "Anharmonicity of Platinum under High Pressure and High Temperature"
M. Okube, A. Yoshiasa, O. Ohtaka, Y. Katayama
High Pressure Research, **23**, (2003), 247-251
- [102] "Support Effect of Zeolite on the Methane Combustion Activity of Palladium"
K. Okumura, S. Matsumoto, N. Nishiaki, M. Niwa
Applied Catalysis B, **40**, (2003), 151-159
- [103] "Structural and Electronic Properties of Ce@C₈₂"
K. Shibata, Y. Rikiishi, T. Hosokawa, Y. Haruyama, Y. Kubozono, S. Kashino, T. Uruga, A. Fujiwara, H. Kitagawa, T. Takano
Physical Review B, **68**, (2003), 094104
- [104] "X-Ray and UV Irradiation Effects on Ce₃₊ Ion Doped in UV Sensitive Glass"
Y. Shimizugawa, J. R. Qiu
Journal of Materials Science Letters, **22**, (2003), 15-16
- [105] "Identification of Ultradilute Dopants in Ceramics"
I. Tanaka, T. Mizoguchi, M. Matsui, S. Yoshioka, H. Adachi, T. Yamamoto, T. Okajima, N. Umesaki, W. Ching, Y. Inoue, M. Mizuno, H. Araki, Y. Shirai
Nature Materials, **2**, (2003), 541-545
- [106] "Hydrogen Atom Position in Hydrated Iodide Anion from X-Ray Absorption Near Edge Structure"
H. Tanida, K. Kato, I. Watanabe
Bulletin of the Chemical Society of Japan, **76**, (2003), 1735-1740
- [107] "Structures and Acid-Base Properties of La/Al₂O₃ - Role of La Addition to Enhance Thermal Stability of γ -Al₂O₃ -"
T. Yamamoto, T. Hatsui, T. Matsuyama, T. Tanaka, T. Funabiki
Chemistry of Materials, **15**, (2003), 4830-4840
[2004]
- [108] "Chemical Forms of Mercury and Cadmium Accumulated in Marine Mammals and Seabirds as Determined by XAFS Analysis"
T. Arai, T. Ikemoto, A. Hokura, Y. Terada, T. Kunito, S. Tanabe, I. Nakai
Environmental Science & Technology, **38**, (2004), 6468-6474
- [109] "Accelerated Decay of the 31-yr Isomer of Hf-178 Induced by Low-Energy Photons and Electrons"
Carl B. Collins, Nicolae C. Zoita, F. Davanloo, S. Emura, Y. Yoda, T. Uruga, B. Patterson, B. Schmitt, J. Pouvesle, I. Popescu, Vladimir I. Kirischuk, N. Strilchuk
Laser Physics, **14**, (2004), 154-165

- [110] "Accelerated γ Emission from Isomeric Nuclei"
Carl B. Collins, Nicolae C. Zoita, F. Davanloo, S. Emura, Y. Yoda, T. Uruga, Vladimir I. Kirischuk, Nikolay V. Strilchuk, J. Pouvesle, I. Popescu, B. Patterson, B. Schmitt
Radiation Physics and Chemistry, **71**, (2004), 619-625
- [111] "Highly Active Trimetallic Ru/CeO₂/CoO(OH) Catalyst for Oxidation of Alcohols in the Presence of Molecular Oxygen"
K. Ebitani, H. Ji, T. Mizugaki, K. Kaneda
Journal of Molecular Catalysis A: Chemical, **212**, (2004), 161-170
- [112] "Ce_{1-x}Rh_xO_{2- δ} Solid Solution Formation in Combustion Synthesized Rh/CeO₂ Catalysts by XRD, TEM, XPS and EXAFS"
A. Gayen, Kaustubh R. Priolkar, Prabhakar R. Sarode, M. S. Hegde, G. N. Subbanna, S. Emura
Chemistry of Materials, **16**, (2004), 2317-2326
- [113] "A Ruthenium-Grafted Hydrotalcite as a Multifunctional Catalyst for Direct α -Alkylation of Nitriles with Primary Alcohols"
K. Kaneda, K. Motokura, D. Nishimura, K. Mori, T. Mizugaki, K. Ebitani
Journal of the American Chemical Society, **126**, (2004), 5662-5663
- [114] "Role in Photocatalysis and Coordination Structure of Metal Ions Adsorbed on Titanium Dioxide Particles: A Comparison between Lanthanide and Iron Ions"
S. Matsuo, N. Sakaguchi, K. Yamada, T. Matsuo, H. Wakita
Applied Surface Science, **228**, (2004), 233-244
- [115] "Hydroxyapatite-Supported Palladium Nanoclusters: A Highly Active Heterogeneous Catalyst for Selective Oxidation of Alcohols by Use of Molecular Oxygen"
K. Mori, T. Hara, K. Ebitani, T. Mizugaki, K. Kaneda
Journal of the American Chemical Society, **126**, (2004), 10657-10666
- [116] "Local Structural Information from EXAFS Analyses and Adsorption Mode of Strontium on Smectite"
M. Nakano, K. Kawamura, S. Emura
Clay Science, **12**, (2004), 311-319
- [117] "XAFS and XRD Study on Ceria Doped with Pr, Nd or Sm"
H. Nitani, T. Nakagawa, M. Yamanouchi, T. Osuki, M. Yuya, T. Yamamoto
Materials Letters, **58**, (2004), 2076-2081
- [118] "Supramolecular Catalysts by Encapsulating Palladium Complexes within Dendrimers"
M. Ooe, M. Murata, T. Mizugaki, K. Ebitani, K. Kaneda
Journal of the American Chemical Society, **126**, (2004), 1604-1605
- [119] "Direct Speciation of Tin Compounds in Environmental Samples Using Sn K-Edge XANES"
N. Sakakibara, Y. Takahashi, Y. Yamaguchi, K. Shibata, T. Uruga
Chemistry Letters, **33**, (2004), 264-265
- [120] "Carbon-Supported Pt-Fe Alloy as a Methanol-Resistant Oxygen-Reduction Catalyst for Direct Methanol Fuel Cells"
A. K. Shukla, K. Priolkar, P. Sarode, S. Emura, N. A. Choudhury, R. K. Raman, R. Kumashiro
Journal of Electroanalytical Chemistry, **563**, (2004), 181-190
- [121] "Direct Determination of the "Organic Extent" of Tin Species in Environmental Samples by X-ray Absorption Near-Edge Structure Spectroscopy"
Y. Takahashi, N. Sakakibara, M. Nomura
Analytical Chemistry, **76**, (2004), 4307-4314
- [122] "Geochemical Study of ODP Leg 191 Site 1179 Sediments :Direct Observation of Mn and Ce Oxidation States"
Y. Takahashi, M. Fukukawa, H. Shimizu, Y. Hayasaka, Y. Sakai
Proceedings of the Ocean Drilling Program, Scientific Results, **191**, (2004), 191SR007
- [123] "EXAFS Studies on Structural Disorder in Calcium Deficient Hydroxyapatite"
M. Tamai, A. Nakahira
Phosphorus Research Bulletin, **17**, (2004), 69-74
- [124] "Thermal Annealing Effect in GaInNAs Thin Films Estimated by Fluorescence X-Ray Absorption Fine Structure Spectroscopy"
K. Uno, M. Yamada, T. Takizawa, I. Tanaka
Japanese Journal of Applied Physics, **43**, (2004), 1944-1946
[2005]
- [125] "Direct Observation of Fe Spin Reorientation in Single-Crystalline YbFe₆Ge₆"
Marcos A. Avila, T. Takabatake, Y. Takahashi, S. L. Bud'ko, P. C. Canfield
Journal of Physics: Condensed Matter, **17**, (2005), 6969-6979

- [126] "Heterotrimetallic RuMnMn Species on a Hydrotalcite Surface as Highly Efficient Heterogeneous Catalysts for Liquid-Phase Oxidation of Alcohols with Molecular Oxygen"
K. Ebitani, T. Mizugaki, K. Motokura, K. Kaneda
Angewandte Chemie International Edition, **44**, (2005), 3423-3426
- [127] "Why Phase-Change Media Are Fast and Stable: A New Approach to an Old Problem "
P. Fons, A. Kolobov, J. Tominaga, Anatoly I. Frenkel, Alexei L. Ankudinov, Spyros N. Yannopoulos, Konstantinos S. Andrikopoulos, T. Uruga
Japanese Journal of Applied Physics, **44**, (2005), 3345-3349
- [128] "Thermite Reaction Applied for Waste Treatment and Recycling"
H. Harada
Doctor Thesis (Kyoto University), , (2005),
- [129] "Occurrence of Arsenic (V) in Forearc Mantle Serpentinites Based on X-ray Absorption Spectroscopy Study"
K. Hattori, Y. Takahashi, S. Guillot, B. Johanson
Geochimica et Cosmochimica Acta, **69**, (2005), 5585-5596
- [130] "Glancing Angle Fluorescence XAFS Study on Metal Oxide Thin Films Obtained by Oxygen Gas Cluster Ion Beam Assisted Deposition Techniques"
H. Kageyama, T. Asanuma, T. Takeuchi, K. Kadono, J. Matsuo, T. Seki, T. Kitagawa, N. Toyoda, Y. Shimizugawa, T. Uruga
Physica Scripta, **T115**, (2005), 504-506
- [131] "X-ray Absorption Study on the Dominance of Sb(V) as Secondary Antimony Species in Soil"
S. Mitsunobu, T. Harada, K. Hoshino, Y. Takahashi
Chemistry Letters, **34**, (2005), 1656-1657
- [132] "Investigation of Structural and Electronic Properties in Ru Perovskite Oxides by XAFS Measurements"
M. Mizumaki, K. Yoshii, Y. Hinatsu, T. Doi, T. Uruga
Physica Scripta, **T115**, (2005), 513-515
- [133] "Structural and Electrical Characterizations of Electrodeposited p-Type Semiconductor Cu₂O Films"
K. Mizuno, T. Shinagawa, M. Izaki, M. Inaba, K. Murase, M. Chigane, A. Tasaka, Y. Awakura
Journal of the Electrochemical Society, **152**, (2005), C179-C182
- [134] "Catalytic Investigations of Carbon-Carbon Bond-Forming Reactions by a Hydroxyapatite-Bound Palladium Complex"
K. Mori, T. Mizugaki, M. Oshiba, T. Hara, K. Ebitani, K. Kaneda
New Journal of Chemistry, **29**, (2005), 1174-1181
- [135] "Chemical States of Trace Heavy Metals in Sewage Sludge by XAFS Spectroscopy"
M. Nagoshi, T. Kawano, S. Fujiwara, T. Miura, S. Udagawa, K. Nagahara, M. Takaoka, T. Uruga
Physica Scripta, **T115**, (2005), 946-948
- [136] "Catalytic Performance and Elution of Pd in the Heck Reaction over Zeolite-Supported Pd Cluster Catalyst"
K. Okumura, K. Nota, K. Yoshida, M. Niwa
Journal of Catalysis, **231**, (2005), 245-253
- [137] "Quick XAFS Studies on the Y-Type Zeolite Supported Au Catalysts for CO-O₂ Reaction"
K. Okumura, K. Yoshino, K. Kato, M. Niwa
The Journal of Physical Chemistry B, **109**, (2005), 12380-12386
- [138] "The Active and Reusable Catalysts in the Benzoylation of Anisole Derived from a Heteropoly Acid"
K. Okumura, K. Yamashita, M. Hirano, M. Niwa
Journal of Catalysis, **234**, (2005), 300-307
- [139] "Speciation of Osmium in an Iron Meteorite and a Platinum Ore Specimen Based on X-ray Absorption Fine-Structure Spectroscopy"
N. Sakakibara, Y. Takahashi, K. Okumura, K. Hattori, T. Yaita, K. Suzuki, H. Shimizu
Geochemical Journal, **39**, (2005), 383-389
- [140] "Characterization of Transparent Ferromagnetic Fe:ZnO Semiconductor Films Chemically Prepared from Aqueous Solutions"
T. Shinagawa, M. Izaki, H. Inui, K. Murase, Y. Awakura
Journal of Electrochemical Society, **152**, (2005), G736-G741
- [141] "Determination of the Ce(IV)/Ce(III) Ratio by XANES in Soil Horizons and its Comparison with the Degree of Ce Anomaly"
Y. Takahashi, K. Yuita, N. Kihou, H. Shimizu, M. Nomura
Physica Scripta, **T115**, (2005), 936-939

- [142] "Determination of the Eu(II)/Eu(III) Ratios in Minerals by X-ray Absorption Near-Edge Structure (XANES) and its Application to Hydrothermal Deposits"
Y. Takahashi, T. Uruga, G. R. Kolonin, G. P. Shironosova, I. I. Kupriyanova, H. Shimizu
Mineralogical Magazine, **69**, (2005), 179-190
- [143] "Direct Speciation of Lead, Zinc and Antimony in Fly Ash from Waste Treatment Facilities by XAFS Spectroscopy"
M. Takaoka, T. Yamamoto, T. Tanaka, N. Takeda, K. Oshita, T. Uruga
Physica Scripta, **T115**, (2005), 943-945
- [144] "The Effect of Copper Speciation on the Formation of Chlorinated Aromatics on Real Municipal Solid Waste Incinerator Fly Ash"
M. Takaoka, T. Yamamoto, A. Shiono, N. Takeda, K. Oshita, T. Matumoto, T. Tanaka
Chemosphere, **59**, (2005), 1497-1505
- [145] "Dynamic Change of Copper in Fly Ash during de Novo Synthesis of Dioxins"
M. Takaoka, A. Shiono, K. Nishimura, T. Yamamoto, T. Uruga, N. Takeda, T. Tanaka, K. Oshita, T. Matsumoto, H. Harada
Environmental Science & Technology, **39**, (2005), 5878-5884
- [146] "Determination of Chemical Form of Antimony in Contaminated Soil around a Smelter using X-ray Absorption Fine Structure"
M. Takaoka, S. Fukutani, T. Yamamoto, M. Horiuchi, N. Satta, N. Takeda, K. Oshita, M. Yoneda, S. Morisawa, T. Tanaka
Analytical Science, **21**, (2005), 769-773
- [147] "Synchrotron X-ray Diffraction and Absorption Studies of CeM_2X_2 (M=Cu, Ni and X=Si, Ge) at High Pressure"
S. Tsuduki, A. Onodera, K. Ishida, Y. Kitaoka, A. Onuki, N. Ishimatsu, O. Shimomura
Solid State Communications, **134**, (2005), 747-751
- [148] "Redox Behavior of Palladium at Start-up in the Perovskite-Type $LaFePdO_x$ Automotive Catalysts Showing a Self-Regenerative Function"
M. Uenishi, M. Taniguchi, H. Tanaka, M. Kimura, Y. Nishihata, J. Mizuki, T. Kobayashi
Applied Catalysis B, **57**, (2005), 267-273
- [149] "A Structural Basis for Depolymerization of Alginate by Polysaccharide Lyase Family-7"
M. Yamasaki, K. Ogura, W. Hashimoto, B. Mikmai, K. Murata
Journal of Molecular Biology, **352**, (2005), 11-21
- [150] "Simultaneous Fitting with Constraints for EXAFS Study of Anharmonic Vibrational System"
D. Yang, H. Park, I. Nakai
Physica Scripta, **T115**, (2005), 240-242
- [2006]
- [151] "Fine Size Control of Platinum on Carbon Nanotubes: From Single Atoms to Clusters"
Y. Kim, K. Ohshima, K. Higashimine, T. Uruga, M. Takata, H. Suematu, T. Mitani
Angewandte Chemie International Edition, **45**, (2006), 407-411
- [152] "Short-Range Structure of Molten $CeCl_3$ and $NdCl_3$ Determined by XAFS"
H. Matsuura, S. Watanabe, T. Sakamoto, T. Kanuma, K. Naoi, M. Hatcho, N. Kitamura, H. Akatsuka, A. Adya, T. Honma, T. Uruga, N. Umesaki
Journal of Alloys and Compounds, **408-412**, (2006), 80-83
- [153] "A Convenient and Efficient Palladium-Catalyzed Regioselective Oxyfunctionalization of Terminal Olefins by Use of Molecular Oxygen as a Sole Reoxidant"
T. Mitsudome, T. Mizugaki, K. Mori, T. Umetani, N. Nosaka, K. Ebitani, K. Kaneda
Angewandte Chemie International Edition, **45**, (2006), 481-485
- [154] "Creation of Monomeric La Complexes on Apatite Surface and Their Application as Heterogeneous Catalysts for Michael Reactions"
K. Mori, T. Mizugaki, M. Oshiba, T. Hara, K. Ebitani, K. Kaneda
New Journal of Chemistry, **30**, (2006), 44-52
- [155] "Thermal Phase Transformation of ZnO-Based Transparent Ferromagnetic Composite Films and the Change in Magnetic Characteristics"
T. Shinagawa, M. Izaki, Y. Matsumura, T. Uruga, T. Nakamura, K. Murase, Y. Awakura
Journal of the Electrochemical Society, **153**, (2006), G168-G174
- [156] "Microstructure and Electronic Structure of Transparent Ferromagnetic ZnO-Spinel Iron Oxide Composite Films"
T. Shinagawa, M. Izaki, H. Inui, K. Murase, Y. Awakura
Chemistry of Materials, **18**, (2006), 763-770

- [157] "Application of X-ray Absorption Near-Edge Structure (XANES) using Bent Crystal Analyzer to Speciation of Trace Os in Iron Meteorites"
Y. Takahashi, T. Uruga, H. Tanida, Y. Terada, S. Nakai, H. Shimizu
Analytica Chimica Acta, **558**, (2006), 332-336
- [158] "The Self-regenerative "Intelligent" Catalyst for Automotive Emissions Control"
I. Tan, M. Taniguchi, H. Tanaka, M. Uenishi, N. Kajita, Y. Nishihata, J. Mizuki, K. Niihara
Key Engineering Materials, **317-318**, (2006), 833-836
- [159] "LaFePdO₃ Perovskite Automotive Catalyst Having a Self-Regenerative Function"
H. Tanaka, I. Tan, M. Uenishi, M. Taniguchi, M. Kimura, Y. Nishihata, J. Mizuki
Journal of Alloys and Compounds, **408-412**, (2006), 1071-1077
- [160] "The Intelligent Catalyst: Pd-perovskite having the Self-Regenerative Function in a Wide Temperature Range"
H. Tanaka, I. Tan, M. Uenishi, M. Taniguchi, Y. Nishihata, J. Mizuki
Key Engineering Materials, **317-318**, (2006), 827-832
- [161] "Local Structural Analyses on Divalent or Trivalent Metal Fluoride Systems at High Temperature"
S. Watanabe
Doctor Thesis (Tokyo Institute of Technology), , (2006), 1-183

BL02B1

Refereed Journals

- [1998]
- [1] "First Results from the Crystal Structure Analysis Beamline at SPring-8"
Y. Noda, K. Ohshima, H. Toraya, K. Tanaka, H. Terauchi, H. Maeta, H. Konishi
Journal of Synchrotron Radiation, **5**, (1998), 485-487
- [2] "Neutron and Synchrotron Radiation Studies of the Phase Transition of *h*-BaTiO₃"
Y. Noda, K. Akiyama, T. Shobu, Y. Kuroiwa, H. Nakao, Y. Morii, H. Yamaguchi
Ferroelectrics, **217**, (1998), 1-7
- [1999]
- [3] "Diffuse Scattering due to Anisotropic Phonon Softening in Ferroelastic Compounds NdNbO₄ and LaNbO₄"
Y. Kuroiwa, S. Aoyagi, T. Shobu, K. Nozawa, S. Tsunekawa, Y. Noda
Japanese Journal of Applied Physics, **38**, (1999), 600-603
- [4] "Phason Strain in Al₇₀Ni₁₀Co₂₀ Decagonal Quasicrystal"
Y. Matsuo, K. Yamamoto, K. Ohshima, Y. Ishii
Materials Research Society Symposia Proceedings, **553**, (1999), 183-187
- [5] "High-Resolution Powder Diffractometry to Study the Phase Transition of *h*-BaTiO₃"
Y. Noda, K. Akiyama, T. Shobu, Y. Kuroiwa, H. Yamaguchi
Japanese Journal of Applied Physics, **38**, (1999), 73-76
- [6] "The MEM Charge Density Study of Rb₂CsC₆₀, K₂RbC₆₀, and Li₂CsC₆₀ by Synchrotron Radiation Powder Method"
M. Takata, N. Machida, E. Nishibori, B. Umeda, M. Sakata, K. Tanigaki, M. Kosaka, I. Hirokawa, J. Mizuki
Japanese Journal of Applied Physics, **38**, (1999), 122-125
- [7] "Diffuse X-Ray Scattering Study of Defect Structure in Ni and Dilute Ni Alloys Irradiated with High-Energy Ions"
H. Yuya
Doctor Thesis (Nagoya University), , (1999),
- [2000]
- [8] "Synthesis and Synchrotron Radiation Structure Analysis of Tetra-Dithiopropanato-Diplatinum (II) with Infinite Linear Chain Structure"
M. Mitsumi, T. Yoshinari, Y. Ozawa, K. Toriumi
Molecular Crystals and Liquid Crystals, **342**, (2000), 127-132
- [9] "Synchrotron X-Ray Diffraction Study on the Verwey Transition in Magnetite"
S. Sasaki, T. Toyoda, M. Tanaka, Y. Noda, T. Shobu, N. Ikeda
Ferrites: Proceedings of the Eighth International Conference on Ferrites (ICF-8), , (2000), 135-139
- [10] "X-Ray Diffuse Scattering Study on Charge-Localized States of Pr_{1-x}Ca_xMnO₃ (*x*=0.35,0.4,0.5)"
S. Shimomura, T. Tonegawa, K. Tajima, N. Wakabayashi, N. Ikeda, T. Shobu, Y. Noda, Y. Tomioka, Y. Tokura
Physical Review B, **62**, (2000), 3875-3878