

# Masaharu M Nomura

## List of Publications by Year in descending order

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137  
papers

3,943  
citations

109321

35  
h-index

138484

58  
g-index

139  
all docs

139  
docs citations

139  
times ranked

3923  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Cytotoxicity, cellular localization and photophysical properties of Re(I) tricarbonyl complexes bound to cysteine and its derivatives. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 759-776.   | 2.6 | 14        |
| 2  | Measurements and Detectors. , 2017, , 67-74.   |     | 0         |
| 3  | Observation of surface reduction of NiO to Ni by surface-sensitive total reflection X-ray spectroscopy using Kramers-Kronig relations. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 062401.  | 1.5 | 6         |
| 4  | A study of photoreactions in photosensitive TiO <sub>2</sub> /hybrid gel films induced by UV irradiation. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 793-799.   | 1.1 | 6         |
| 5  | In situ back-side illumination fluorescence XAFS (BI-FXAFS) studies on platinum nanoparticles deposited on a HOPG surface as a model fuel cell: a new approach to the Pt-HOPG electrode/electrolyte interface. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13748-13754.                     | 2.8 | 18        |
| 6  | Development of surface sensitive DXAFS measurement method by applying Kramers-Kronig relations to total reflection spectra. <i>Journal of Physics: Conference Series</i> , 2014, 502, 012035.  | 0.4 | 3         |
| 7  | Au Clusters on TiO <sub>2</sub> (110) (1 Å <sup>-1</sup> ) and (1 Å <sup>-2</sup> ) Surfaces Examined by Polarization-Dependent Total Reflection Fluorescence XAFS. <i>Journal of Physical Chemistry C</i> , 2013, 117, 252-257.   | 3.1 | 11        |
| 8  | In situ QXAFS observation of the reduction of Fe <sub>2</sub> O <sub>3</sub> and CaFe <sub>2</sub> O <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , 2013, 430, 012074.  | 0.4 | 11        |
| 9  | In Situ and Simultaneous Observation of Palladium Redox and Oxygen Storage/Release in Pd/Sr-Fe-O Perovskite Catalysts Using Dispersive XAFS. <i>Materials Transactions</i> , 2013, 54, 246-254.  | 1.2 | 18        |
| 10 | High-temperature X-ray Imaging Study of Simulated High-level Waste Glass Melt. <i>Electrochemistry</i> , 2013, 81, 543-546.  | 1.4 | 8         |
| 11 | Speciation study of Cr(VI/III) reacting with humic substances and determination of local structure of Cr binding humic substances using XAFS spectroscopy. <i>Geochemical Journal</i> , 2012, 46, 409-420.   | 1.0 | 28        |
| 12 | Formation and oxidation mechanisms of Pd-Zn nanoparticles on a ZnO supported Pd catalyst studied by in situ time-resolved QXAFS and DXAFS. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2152-2158.   | 2.8 | 23        |
| 13 | Combined in situ QXAFS and FTIR analysis of a Ni phosphide catalyst under hydrodesulfurization conditions. <i>Journal of Catalysis</i> , 2012, 286, 165-171.   | 6.2 | 52        |
| 14 | Local structural studies of the cubic Cd <sub>1-x</sub> Ca <sub>x</sub> O system through Cd K-edge extended X-ray absorption spectroscopic studies. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 541-546.   | 2.4 | 2         |
| 15 | Synchrotron Radiation-Based X-ray Imaging Study of Ruthenium in Simulated High-Level Waste Glass. <i>Transactions of the Atomic Energy Society of Japan</i> , 2012, 11, 127-132.   | 0.3 | 1         |
| 16 | In situ time-resolved XAFS study on the structural transformation and phase separation of Pt <sub>3</sub> Sn and PtSn alloy nanoparticles on carbon in the oxidation process. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15833.  | 2.8 | 62        |
| 17 | Quick X-ray Absorption Fine Structure Studies on the Activation Process of Ni <sub>2</sub> P Supported on K-USY. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7466-7471.  | 3.1 | 29        |
| 18 | Core-Shell Phase Separation and Structural Transformation of Pt <sub>3</sub> Sn Alloy Nanoparticles Supported on γ-Al <sub>2</sub> O <sub>3</sub> in the Reduction and Oxidation Processes Characterized by In Situ Time-Resolved XAFS. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5823-5833. | 3.1 | 55        |

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|----|--|------|-----------|
| 19 | Angle resolved total reflection fluorescence XAFS and its application to Au clusters on TiO <sub>2</sub> (110) (1 *) Tj ETQq1 1 0,784314 rgBT /Overil  | 1.1  | 10        |
| 20 | Speciation of Tungsten in Natural Ferromanganese Oxides Using Wavelength Dispersive XAFS. Chemistry Letters, 2010, 39, 870-871.  | 1.3  | 12        |
| 21 | Consistent Chemical Form of Cd in Liver and Kidney Tissues in Rats Dosed with a Range of Cd Treatments: XAS of Intact Tissues. Chemical Research in Toxicology, 2010, 23, 1647-1649.   | 3.3  | 4         |
| 22 | Insights into Initial Kinetic Nucleation of Gold Nanocrystals. Journal of the American Chemical Society, 2010, 132, 7696-7701.   | 13.7 | 151       |
| 23 | In situ time-resolved DXAFS for the determination of kinetics of structural changes of H-ZSM-5-supported active Re-cluster catalyst in the direct phenol synthesis from benzene and O <sub>2</sub> . Physical Chemistry Chemical Physics, 2010, 12, 5701.                                  | 2.8  | 29        |
| 24 | Coordination study of rare earth elements on Fe oxyhydroxide and Mn dioxides: Part I. Influence of a multi-electron excitation on EXAFS analyses of La, Pr, Nd, and Sm. American Mineralogist, 2009, 94, 467-475.  | 1.9  | 22        |
| 25 | In situ time-resolved XAFS analysis of silver particle formation by photoreduction in polymer solutions. Journal of Colloid and Interface Science, 2009, 337, 427-438.   | 9.4  | 68        |
| 26 | Dynamic in situ observation of automotive catalysts for emission control using X-ray absorption fine structure. Catalysis Today, 2009, 145, 279-287.   | 4.4  | 43        |
| 27 | Atomically dispersed Cu species on a TiO <sub>2</sub> (110) surface precovered with acetic anhydride. Chemical Physics Letters, 2009, 470, 99-102.   | 2.6  | 13        |
| 28 | High-Temperature Ferromagnetism of Hybrid Nanostructure Ag <sup>+</sup> Zn <sub>0.92</sub> Co <sub>0.08</sub> O Dilute Magnetic Semiconductor. Journal of Physical Chemistry C, 2009, 113, 3581-3585.  | 3.1  | 17        |
| 29 | Coordination study of rare earth elements on Fe oxyhydroxide and Mn dioxides: Part II. Correspondence of structural change to irregular variations of partitioning coefficients and tetrad effect variations appearing in interatomic distances. American Mineralogist, 2009, 94, 476-486. | 1.9  | 31        |
| 30 | Real-time XAFS analysis of Rh/alumina catalyst. Surface and Interface Analysis, 2008, 40, 1751-1754.   | 1.8  | 28        |
| 31 | Mercury in human hair and blood samples from people living in Wanshan mercury mine area, Guizhou, China: An XAS study. Journal of Inorganic Biochemistry, 2008, 102, 500-506.  | 3.5  | 20        |
| 32 | Influence of multi-electron excitation on EXAFS spectroscopy of trivalent rare-earth ions and elucidation of change in hydration number through the series. American Mineralogist, 2008, 93, 1384-1392.  | 1.9  | 36        |
| 33 | Origin of Self-Regulated Cluster Growth on the TiO <sub>2</sub> (110) Surface Studied Using Polarization-Dependent Total Reflection Fluorescence XAFS. Journal of Physical Chemistry C, 2008, 112, 4667-4675.  | 3.1  | 22        |
| 34 | Design of a high-temperature and high-pressure liquid flow cell for x-ray absorption fine structure measurements under catalytic reaction conditions. Review of Scientific Instruments, 2008, 79, 014101.  | 1.3  | 21        |
| 35 | High-speed x-ray reflectometry in multiwavelength-dispersive mode. Applied Physics Letters, 2008, 92, .  | 3.3  | 25        |
| 36 | Time-Resolved DXAFS Study of Adsorption and Release of Hydrogen on Pt/MCM-41. AIP Conference Proceedings, 2007, . .  | 0.4  | 1         |

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|----|---|------|-----------|
| 37 | Spectroscopic study on the anion exchange behavior of Cu chloro-complexes in HCl Solutions and its implication to Cu isotopic fractionation. <i>Geochemical Journal</i> , 2007, 41, 291-295.                              | 1.0  | 15        |
| 38 | Curved crystal X-ray optics for a new type of high speed, multiwavelength dispersive X-ray reflectometer. <i>Journal of Physics: Conference Series</i> , 2007, 83, 012021.  | 0.4  | 7         |
| 39 | A New XAFS Beamline NW10A at the Photon Factory. <i>AIP Conference Proceedings</i> , 2007, , .  | 0.4  | 41        |
| 40 | Novel Re-Cluster/HZSM-5 Catalyst for Highly Selective Phenol Synthesis from Benzene and O <sub>2</sub> : Performance and Reaction Mechanism. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10095-10104.             | 3.1  | 48        |
| 41 | Analysis of the Local Structure around Eu and Mn Ions in Alkaline-Earth Silicate Phosphors for White Light Illumination. <i>AIP Conference Proceedings</i> , 2007, , .  | 0.4  | 2         |
| 42 | In Situ Time-Resolved Dynamic Surface Events on the Pt/C Cathode in a Fuel Cell under Operando Conditions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4310-4315.  | 13.8 | 158       |
| 43 | Origin and Dynamics of Oxygen Storage/Release in a Pt/Ordered CeO <sub>2</sub> /ZrO <sub>2</sub> Catalyst Studied by Time-Resolved XAFS Analysis. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9253-9256. | 13.8 | 111       |
| 44 | Preparation of atomically dispersed Cu species on a TiO <sub>2</sub> (110) surface premodified with an organic compound. <i>Chemical Physics Letters</i> , 2007, 433, 345-349.  | 2.6  | 30        |
| 45 | Sequential Reaction Intermediates in Aliphatic C-H Bond Functionalization Initiated by a Bis( $\eta^4$ -oxo)nickel(III) Complex. <i>Inorganic Chemistry</i> , 2006, 45, 2873-2885.  | 4.0  | 39        |
| 46 | The Adsorption Site and Structure of Metal Atoms on Oxide Single Crystals. <i>Hyomen Kagaku</i> , 2006, 27, 414-419.  | 0.0  | 0         |
| 47 | Chemical compositions and XANES speciations of Fe, Mn and Zn from aerosols collected in China and Japan during dust events. <i>Geochemical Journal</i> , 2006, 40, 363-376.   | 1.0  | 35        |
| 48 | Speciation of Chromium in Artificially Contaminated Soil Reference Material GSJ JSO-2 Using XANES and Chemical Extraction Methods. <i>Geostandards and Geoanalytical Research</i> , 2006, 30, 55-62.                      | 1.9  | 9         |
| 49 | Time-resolved XAFS study on the supporting process of Rh <sub>6</sub> (CO) <sub>16</sub> cluster on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Today</i> , 2006, 111, 343-348.                               | 4.4  | 5         |
| 50 | An approach to nano-chemical analysis through NC-AFM technique. <i>Catalysis Today</i> , 2006, 117, 80-83.  | 4.4  | 5         |
| 51 | Structure of low coverage Ni atoms on the TiO <sub>2</sub> (110) surface - Polarization dependent total-reflection fluorescence EXAFS study. <i>Chemical Physics Letters</i> , 2006, 421, 27-30.                          | 2.6  | 35        |
| 52 | Solvation structure of metal ions in nitrogen-donating solvents. <i>Journal of Molecular Liquids</i> , 2006, 129, 18-24.  | 4.9  | 10        |
| 53 | Retention of the octahedral metal framework of Nb and Mo halide clusters in catalytic decomposition of phenyl acetate to phenol and ketene. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 176-186.                 | 4.8  | 21        |
| 54 | X-Ray Absorption Fine Structure Study on Layered LiMO <sub>2</sub> (M=Ni, Mn, Co) Cathode Materials. <i>Journal of the Electrochemical Society</i> , 2006, 153, A1120.  | 2.9  | 9         |

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|----|---|------|-----------|
| 55 | TimeResolved EnergyDispersive XAFS for In-situ Characterization of NanoStructures and Catalysts. Physica Scripta, 2005, , 59.   | 2.5  | 5         |
| 56 | XAFS Study on the Trace Amounts of Ytterbium Ions Incorporated in Calcium Carbonate Crystal. Physica Scripta, 2005, , 897.  | 2.5  | 5         |
| 57 | Reversed Monte Carlo Simulation to XAFS Spectra of Liquid GeO2 Polymorphs. Physica Scripta, 2005, , 1088.   | 2.5  | 0         |
| 58 | Oxidation States of Ytterbium Incorporated in Calcium Carbonate and Calcium Fluoride. Chemistry Letters, 2005, 34, 852-853.   | 1.3  | 4         |
| 59 | XANES Study of Tribofilms Generated from BeltDrive Continuously Variable Transmission Fluids. Physica Scripta, 2005, 2005, 332.   | 2.5  | 4         |
| 60 | Catalytic dehydrogenation of aliphatic amines to nitriles, imines, or vinylamines and dealkylation of tertiary aliphatic amines over halide cluster catalysts of group 5 and 6 transition metals. Journal of Catalysis, 2005, 230, 204-213. | 6.2  | 36        |
| 61 | A Preliminary Study on the Speciation of Inorganic and Organic T in Compounds Using XAFS. Physica Scripta, 2005, , 901.   | 2.5  | 0         |
| 62 | An Electron-Beam Profile Monitor Using Fresnel Zone Plates. AIP Conference Proceedings, 2004, , .   | 0.4  | 1         |
| 63 | Structure of Aqueous Gallium(III) Bromide Solutions Over a Temperature Range 80-333 K by Raman Spectroscopy, X-ray Absorption Fine Structure, and X-ray Diffraction. Journal of Solution Chemistry, 2004, 33, 903-922.                      | 1.2  | 7         |
| 64 | A local structure of low coverage Ni species on the $\gamma$ -Al <sub>2</sub> O <sub>3</sub> (0001) surface - a polarization dependent EXAFS study. Chemical Physics Letters, 2004, 384, 134-138.   | 2.6  | 23        |
| 65 | Concentration quenching of Eu-related luminescence in Eu-doped GaN. Applied Physics Letters, 2004, 85, 227-229.   | 3.3  | 64        |
| 66 | Direct Determination of the Organic Extent of Tin Species in Environmental Samples by X-ray Absorption Near-Edge Structure Spectroscopy. Analytical Chemistry, 2004, 76, 4307-4314.   | 6.5  | 8         |
| 67 | Time-Scale and Sequence of Dynamic Structural Changes in a MgO-Attached Ruthenium Cluster Catalyst Observed by in Situ Time-Resolved DXAFS. Journal of Physical Chemistry B, 2004, 108, 5609-5616.  | 2.6  | 32        |
| 68 | Nanoarchitecture of Semiconductor Titania Nanosheets Revealed by Polarization-Dependent Total Reflection Fluorescence X-ray Absorption Fine Structure. Journal of Physical Chemistry B, 2004, 108, 13088-13092.                             | 2.6  | 62        |
| 69 | A Possibility of XANAM (X-ray Aided Non-contact Atomic Force Microscopy). Chemistry Letters, 2004, 33, 636-637.   | 1.3  | 10        |
| 70 | Time Scale and Elementary Steps of CO-Induced Disintegration of Surface Rhodium Clusters. Angewandte Chemie - International Edition, 2003, 42, 4795-4799.   | 13.8 | 116       |
| 71 | XAFS and TOF-SIMS analysis of SEI layers on electrodes. Journal of Power Sources, 2003, 119-121, 567-571.   | 7.8  | 157       |
| 72 | Growth and Characterization of Er-Doped GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 430-433.  | 0.8  | 5         |

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|----|---|-----|-----------|
| 73 | Three-Dimensional Structure Analyses of Cu Species Dispersed on TiO <sub>2</sub> (110) Surfaces Studied by Polarization-Dependent Total-Reflection Fluorescence X-ray Absorption Fine Structure (PTRF-XAFS). <i>Journal of Physical Chemistry B</i> , 2003, 107, 12917-12929.   | 2.6 | 37        |
| 74 | Determination of the As(III)/As(V) Ratio in Soil by X-ray Absorption Near-edge Structure (XANES) and Its Application to the Arsenic Distribution between Soil and Water. <i>Analytical Sciences</i> , 2003, 19, 891-896.  | 1.6 | 45        |
| 75 | Spontaneously Induced Reduction of Trivalent Ytterbium in Synthesized Crystal of Calcite. <i>Chemistry Letters</i> , 2003, 32, 500-501.   | 1.3 | 10        |
| 76 | Application of XANES for the Determination of Oxidation States of Co and Pb in Natural Ferromanganese Nodules. <i>Chemistry Letters</i> , 2002, 31, 366-367.  | 1.3 | 14        |
| 77 | In Situ Time-Resolved Energy-Dispersive X-ray Absorption Fine Structure Study on the Decarbonylation Processes of Mo(CO) <sub>6</sub> Entrapped in NaY and HY Zeolites. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2415-2422.  | 2.6 | 33        |
| 78 | Determination of the oxidation state of cerium in rocks by Ce LIII-edge X-ray absorption near-edge structure spectroscopy. <i>Analytica Chimica Acta</i> , 2002, 468, 345-354.  | 5.4 | 84        |
| 79 | MBE growth of Eu- or Tb-doped GaN and its optical properties. <i>Journal of Crystal Growth</i> , 2002, 237-239, 1027-1031.  | 1.5 | 59        |
| 80 | Dispersive XAFS Study on Cu and Mo Species in Zeolites During the Catalyst Preparation. <i>Topics in Catalysis</i> , 2002, 18, 53-58.   | 2.8 | 11        |
| 81 | Structural Characterization and Formation Kinetics of Sitting-Atop (SAT) Complexes of Some Porphyrins with Copper(II) Ion in Aqueous Acetonitrile Relevant to Porphyrin Metalation Mechanism. Structures of Aquacopper(II) and Cu(II)~SAT Complexes As Determined by XAFS Spectroscopy. <i>Inorganic Chemistry</i> , 2001, 40, 5636-5644. | 4.0 | 73        |
| 82 | In Situ Time-Resolved Energy-Dispersive XAFS Study on the Reduction Processes of Cu~ZSM-5 Catalysts. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 801-808.  | 3.2 | 38        |
| 83 | Performance of a beamline with a pair of bent conical mirrors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 467-468, 733-736.   | 1.6 | 46        |
| 84 | Time-resolved energy-dispersive XAFS study on the reduction process of Cu-ZSM-5 catalysts. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 654-656.  | 2.4 | 9         |
| 85 | A new method for the size-selective EXAFS of neutral free clusters. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 542-544.   | 2.4 | 8         |
| 86 | XAFS studies of Tb or Eu cored dendrimer complexes with various properties of luminescence. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 710-712.   | 2.4 | 3         |
| 87 | Development of an in situ polarization-dependent total-reflection fluorescence XAFS measurement system. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 168-172.   | 2.4 | 31        |
| 88 | XAFS study on the sulfidation mechanisms of Co~Mo catalysts supported on activated carbon and alumina: effect of complexing agent. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 651-653.  | 2.4 | 2         |
| 89 | DXAFS study on the decarbonylation process of Mo(CO) <sub>6</sub> in NaY supercages. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 628-630.  | 2.4 | 5         |
| 90 | Energy-dispersive XAFS study on the decarbonylation process of Mo(CO) <sub>6</sub> in NaY zeolite. <i>Catalysis Letters</i> , 2001, 71, 203-208.  | 2.6 | 21        |

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|-----|---|------|-----------|
| 91  | Incorporation site of Tb in GaN studied by Rutherford-backscattering ion channelling measurements and x-ray absorption fine-structure analysis. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 10837-10843.   | 1.8  | 8         |
| 92  | Photoelectron Photoion Coincidence Measurements of Selenium Cluster Beam. I. Evidence for the Coulomb Explosion. <i>Journal of the Physical Society of Japan</i> , 2000, 69, 2039-2048.   | 1.6  | 12        |
| 93  | Time-resolved DXAFS study on the reduction processes of Cu cations in ZSM-5. <i>Catalysis Letters</i> , 2000, 68, 139-145.  | 2.6  | 48        |
| 94  | A new method for the determination of CeIII/CeIV ratios in geological materials; application for weathering, sedimentary and diagenetic processes. <i>Earth and Planetary Science Letters</i> , 2000, 182, 201-207.   | 4.4  | 53        |
| 95  | Direct observation of tetravalent cerium in ferromanganese nodules and crusts by X-ray-absorption near-edge structure (XANES). <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 2929-2935.  | 3.9  | 141       |
| 96  | Structural Characterization and Formation Mechanism of Sitting-Atop (SAT) Complexes of 5,10,15,20-Tetraphenylporphyrin with Divalent Metal Ions. Structure of the Cu(II)-SAT Complex As Determined by Fluorescent Extended X-ray Absorption Fine Structure. <i>Inorganic Chemistry</i> , 2000, 39, 4793-4801. | 4.0  | 73        |
| 97  | X-Ray Absorption Fine Structure (XAFS) Studies on Cobalt(II) Bromo Complexes in Acetic Acid Solutions. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 1239-1246.  | 3.2  | 4         |
| 98  | Dead-time correction of a multi-element SSD for fluorescent XAFS. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 851-853.   | 2.4  | 48        |
| 99  | Time-resolved stopped-flow x-ray absorption fine structure system using synchrotron radiation for fast reactions in solution. <i>Review of Scientific Instruments</i> , 1997, 68, 2973-2977.  | 1.3  | 14        |
| 100 | Unique Binding of Nitric Oxide to Ferric Nitric Oxide Reductase from <i>Fusarium oxysporum</i> Elucidated with Infrared, Resonance Raman, and X-ray Absorption Spectroscopies. <i>Journal of the American Chemical Society</i> , 1997, 119, 7807-7816.  | 13.7 | 106       |
| 101 | Nature of Endogenous Ligand Binding to Heme Iron in Oxygen Sensor FixL. <i>Journal of the American Chemical Society</i> , 1996, 118, 9434-9435.   | 13.7 | 52        |
| 102 | Supported PdCl <sub>2</sub> CuCl <sub>2</sub> catalysts for carbon monoxide oxidation II. XAFS characterization. <i>Applied Catalysis B: Environmental</i> , 1996, 7, 199-212.  | 20.2 | 31        |
| 103 | The local structure of solid diorganotin(IV) complexes formed with carbohydrates by X-ray absorption spectroscopy. <i>Inorganica Chimica Acta</i> , 1995, 230, 105-110.   | 2.4  | 21        |
| 104 | Variation of optical luminescence X-ray excitation spectra. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 108-110.  | 2.7  | 6         |
| 105 | Measurements of chemical species in flame at temperatures above 2000°C by X-ray atomic absorption spectroscopy. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 209-211.  | 2.7  | 4         |
| 106 | Development of a chamber for in situ polarized total internal reflection fluorescence x-ray absorption fine structure spectroscopy. <i>Review of Scientific Instruments</i> , 1995, 66, 5493-5498.  | 1.3  | 16        |
| 107 | X-ray absorption spectroscopic studies of a transient intermediate in the reaction of cyanide metmyoglobin with dithionite by using rapid freezing. <i>BBA - Proteins and Proteomics</i> , 1993, 1202, 99-106.  | 2.1  | 7         |
| 108 | Optical-luminescence yield spectra produced by x-ray excitation. <i>Physical Review B</i> , 1993, 47, 6918-6930.  | 3.2  | 72        |

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|-----|---|-----|-----------|
| 109 | EXAFS Study of Ni <sup>2+</sup> /Al <sub>2</sub> O <sub>3</sub> Hydrodesulfurization Catalysts. Japanese Journal of Applied Physics, 1993, 32, 469.                                 | 1.5 | 3         |
| 110 | EXAFS Study of the Local Structure around Cobalt in Co <sup>2+</sup> /Al <sub>2</sub> O <sub>3</sub> Catalysts. Japanese Journal of Applied Physics, 1993, 32, 466.                 | 1.5 | 4         |
| 111 | Structure of the Catalytic Site of a Silica-Supported Copper, Manganese Catalyst. Japanese Journal of Applied Physics, 1993, 32, 496.   | 1.5 | 2         |
| 112 | A Structural Study on Ag <sup>+</sup> /Ag <sub>2</sub> O <sup>+</sup> /CrO <sub>3</sub> Glass. Journal of the Physical Society of Japan, 1993, 62, 536-543.                         | 1.6 | 0         |
| 113 | XAFS Applied to Trace Element Analysis. Japanese Journal of Applied Physics, 1993, 32, 237.   | 1.5 | 2         |
| 114 | Study on Stepwise Copper(II) Chloride Complexes in Acetonitrile by Fluorescence XAFS Spectroscopy Using Thermodynamic Data. Japanese Journal of Applied Physics, 1993, 32, 845.     | 1.5 | 5         |
| 115 | Optical Luminescence Yield Spectra of CaF <sub>2</sub> through X-ray Excitation. Japanese Journal of Applied Physics, 1993, 32, 214.  | 1.5 | 1         |
| 116 | Rapid-Freeze XAFS Characterization of Kinetic Intermediates of Metalloproteins. Japanese Journal of Applied Physics, 1993, 32, 538.   | 1.5 | 0         |
| 117 | X-ray Excited Luminescence Yield Spectra of NaBr and NaBr:Cu Single Crystals. Japanese Journal of Applied Physics, 1993, 32, 217.   | 1.5 | 0         |
| 118 | Gold Silver Sulfide Structure on the Surface of Silver Halide Microcrystals. Japanese Journal of Applied Physics, 1993, 32, 770.  | 1.5 | 5         |
| 119 | X-ray Absorption Studies on Aqueous Ionic Solutions in the Liquid and Glassy States. Japanese Journal of Applied Physics, 1993, 32, 842.  | 1.5 | 1         |
| 120 | Local structures of metals dispersed on coal. 4. Local structure of calcium species on coal after heat treatment and carbon dioxide gasification. Energy & Fuels, 1992, 6, 656-661. | 5.1 | 33        |
| 121 | Oxidative Dimerization of 1-Propyne on a 2-Pyridylethyl Copper Complex Fixed Silica Catalyst. Bulletin of the Chemical Society of Japan, 1991, 64, 293-295.                         | 3.2 | 1         |
| 122 | An X-ray absorption study of copper ion exchanged H-mordenite for selective catalytic reduction of NO by ammonia. Journal of Molecular Catalysis, 1991, 69, 247-258.                | 1.2 | 39        |
| 123 | Preparation and catalysis of a copper <sup>2+</sup> pyridine complex encapsulated into a zeolite supercage. Journal of Molecular Catalysis, 1991, 70, 165-174.                      | 1.2 | 12        |
| 124 | Structural Studies on Superionic Glass AgI-Ag <sub>2</sub> O-MoO <sub>3</sub> . Journal of the Physical Society of Japan, 1990, 59, 1252-1263.                                      | 1.6 | 16        |
| 125 | Exafs study on tungsten silicide films. Applied Surface Science, 1988, 33-34, 160-166.  | 6.1 | 0         |
| 126 | Silver (I) solvation in some N-donor solvents from Ag K-edge EXAFS. Journal of the Chemical Society Chemical Communications, 1988, , 433.   | 2.0 | 27        |



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|-----|--|-----|-----------|
| 127 | An extended X-ray absorption fine structure study of aqueous rare earth perchlorate solutions in liquid and glassy states. <i>Journal of Chemical Physics</i> , 1988, 89, 5153-5159.   | 3.0 | 175       |
| 128 | Structural Study of Amorphous SiGe Alloy Films Using Extended X-Ray Absorption Fine Structure. <i>Journal of the Physical Society of Japan</i> , 1987, 56, 2413-2419.  | 1.6 | 3         |
| 129 | Structural Study of Amorphous Ge Using Extended X-Ray Absorption Fine Structure. <i>Journal of the Physical Society of Japan</i> , 1987, 56, 1765-1772.  | 1.6 | 13        |
| 130 | Extended X-ray absorption fine structure study of the reaction between silica-supported copper(II) oxide catalysts and acetic acid. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987, 83, 2635.  | 1.0 | 6         |
| 131 | Structure of the catalytic site on a silica-supported catalyst derived from copper(II) acetate. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987, 83, 1227.  | 1.0 | 12        |
| 132 | Beamline for a Soft X-Ray Undulator at the Photon Factory. <i>Proceedings of SPIE</i> , 1986, , .  | 0.8 | 3         |
| 133 | Design and performance of a UHV compatible soft X-ray double crystal monochromator at the proton factory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1986, 246, 373-376. | 1.6 | 85        |
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| 135 | Contact Microscopy with Synchrotron Radiation X-rays Using a Transmission Grating. <i>Japanese Journal of Applied Physics</i> , 1984, 23, 132-133.   | 1.5 | 7         |
| 136 | EXAFS Spectroscopy of Some Iron(III) Compounds by Use of Dispersive-type In-laboratory X-Ray Spectrometer. <i>Bulletin of the Chemical Society of Japan</i> , 1982, 55, 3911-3914.   | 3.2 | 18        |
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