

# Masaharu M Nomura

## List of Publications by Year in descending order

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137  
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109321

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docs citations

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times ranked

3923  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	XAFS and TOF-SIMS analysis of SEI layers on electrodes. <i>Journal of Power Sources</i> , 2003, 119-121, 567-571.	7.8	157
4	Insights into Initial Kinetic Nucleation of Gold Nanocrystals. <i>Journal of the American Chemical Society</i> , 2010, 132, 7696-7701.	13.7	151
5	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
6	Time Scale and Elementary Steps of CO-Induced Disintegration of Surface Rhodium Clusters. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4795-4799.	13.8	116
7	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
8	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
9	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
10	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
11	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
12	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
13	Optical-luminescence yield spectra produced by x-ray excitation. <i>Physical Review B</i> , 1993, 47, 6918-6930.	3.2	72
14	In situ time-resolved XAFS analysis of silver particle formation by photoreduction in polymer solutions. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 427-438.	9.4	68
15	Concentration quenching of Eu-related luminescence in Eu-doped GaN. <i>Applied Physics Letters</i> , 2004, 85, 227-229.	3.3	64
16	Nanoarchitecture of Semiconductor Titania Nanosheets Revealed by Polarization-Dependent Total Reflection Fluorescence X-ray Absorption Fine Structure. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13088-13092.	2.6	62
17	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
18	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

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19	Core-Shell Phase Separation and Structural Transformation of Pt <sub>3</sub> Sn Alloy Nanoparticles Supported on $\gamma$ -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
20	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
21	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
22	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
23	Dead-time correction of a multi-element SSD for fluorescent XAFS. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 851-853.	2.4	48
24	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
25	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
26	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
27	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
28	Dynamic in situ observation of automotive catalysts for emission control using X-ray absorption fine structure. <i>Catalysis Today</i> , 2009, 145, 279-287.	4.4	43
29	A New XAFS Beamline NW10A at the Photon Factory. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	41
30	An X-ray absorption study of copper ion exchanged H-mordenite for selective catalytic reduction of NO by ammonia. <i>Journal of Molecular Catalysis</i> , 1991, 69, 247-258.	1.2	39
31	Sequential Reaction Intermediates in Aliphatic C-H Bond Functionalization Initiated by a Bis( $\eta^4$ -oxo)dinickel(III) Complex. <i>Inorganic Chemistry</i> , 2006, 45, 2873-2885.	4.0	39
32	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
33	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
34	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. <i>Journal of Catalysis</i> , 2005, 230, 204-213.	6.2	36
35	Influence of multi-electron excitation on EXAFS spectroscopy of trivalent rare-earth ions and elucidation of change in hydration number through the series. <i>American Mineralogist</i> , 2008, 93, 1384-1392.	1.9	36
36	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

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37	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
38	Local structures of metals dispersed on coal. 4. Local structure of calcium species on coal after heat treatment and carbon dioxide gasification. <i>Energy &amp; Fuels</i> , 1992, 6, 656-661.	5.1	33
39	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
40	Time-Scale and Sequence of Dynamic Structural Changes in a MgO-Attached Ruthenium Cluster Catalyst Observed by in Situ Time-Resolved DXAFS. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5609-5616.	2.6	32
41	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
42	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
43	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. <i>American Mineralogist</i> , 2009, 94, 476-486.	1.9	31
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	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> . <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5701.	2.8	29
46	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
47	Real-time XAFS analysis of Rh/alumina catalyst. <i>Surface and Interface Analysis</i> , 2008, 40, 1751-1754.	1.8	28
48	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
49	Silver (I) solvation in some N-donor solvents from Ag K-edge EXAFS. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 433.	2.0	27
50	High-speed x-ray reflectometry in multiwavelength-dispersive mode. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	25
51	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. <i>Chemical Physics Letters</i> , 2004, 384, 134-138.	2.6	23
52	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
53	Origin of Self-Regulated Cluster Growth on the TiO <sub>2</sub> (110) Surface Studied Using Polarization-Dependent Total Reflection Fluorescence XAFS. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4667-4675.	3.1	22
54	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. <i>American Mineralogist</i> , 2009, 94, 467-475.	1.9	22

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55	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
56	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
57	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
58	Design of a high-temperature and high-pressure liquid flow cell for x-ray absorption fine structure measurements under catalytic reaction conditions. <i>Review of Scientific Instruments</i> , 2008, 79, 014101.	1.3	21
59	Mercury in human hair and blood samples from people living in Wanshan mercury mine area, Guizhou, China: An XAS study. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 500-506.	3.5	20
60	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
61	&lt;i>In Situ&/i> and Simultaneous Observation of Palladium Redox and Oxygen Storage/Release in Pd/Sr&ndash;Fe&ndash;O Perovskite Catalysts Using Dispersive XAFS. <i>Materials Transactions</i> , 2013, 54, 246-254.	1.2	18
62	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
63	High-Temperature Ferromagnetism of Hybrid Nanostructure Ag <sup>2+</sup> Zn <sub>0.92</sub> Co <sub>0.08</sub> O Dilute Magnetic Semiconductor. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3581-3585.	3.1	17
64	Structural Studies on Superionic Glass AgI-Ag <sub>2</sub> O-MoO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , 1990, 59, 1252-1263.	1.6	16
65	Development of a chamber for in situ polarized total&euml;reflection fluorescence x&euml;ray absorption fine structure spectroscopy. <i>Review of Scientific Instruments</i> , 1995, 66, 5493-5498.	1.3	16
66	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
67	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
68	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
69	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
70	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
71	Atomically dispersed Cu species on a TiO <sub>2</sub> (110) surface precovered with acetic anhydride. <i>Chemical Physics Letters</i> , 2009, 470, 99-102.	2.6	13
72	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

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73	Preparation and catalysis of a copper-pyridine complex encapsulated into a zeolite supercage. Journal of Molecular Catalysis, 1991, 70, 165-174.	1.2	12
74	Photoelectron Photoion Coincidence Measurements of Selenium Cluster Beam. I. Evidence for the Coulomb Explosion. Journal of the Physical Society of Japan, 2000, 69, 2039-2048.	1.6	12
75	Speciation of Tungsten in Natural Ferromanganese Oxides Using Wavelength Dispersive XAFS. Chemistry Letters, 2010, 39, 870-871.	1.3	12
76	Dispersive XAFS Study on Cu and Mo Species in Zeolites During the Catalyst Preparation. Topics in Catalysis, 2002, 18, 53-58.	2.8	11
77	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. Journal of Physical Chemistry C, 2013, 117, 252-257.	3.1	11
78	<i>In situ</i> QXAFS observation of the reduction of Fe <sub>2</sub> O <sub>3</sub> and CaFe <sub>2</sub> O <sub>4</sub> . Journal of Physics: Conference Series, 2013, 430, 012074.	0.4	11
79	Direct evidence of binuclear structure in a silica-supported copper catalyst. Chemical Physics Letters, 1985, 122, 538-540.	2.6	10
80	Spontaneously Induced Reduction of Trivalent Ytterbium in Synthesized Crystal of Calcite. Chemistry Letters, 2003, 32, 500-501.	1.3	10
81	A Possibility of XANAM (X-ray Aided Non-contact Atomic Force Microscopy). Chemistry Letters, 2004, 33, 636-637.	1.3	10
82	Solvation structure of metal ions in nitrogen-donating solvents. Journal of Molecular Liquids, 2006, 129, 18-24.	4.9	10
83	Angle resolved total reflection fluorescence XAFS and its application to Au clusters on TiO <sub>2</sub> (110) (1 Å <sup>-1</sup> ) Tj ETQq1 1 0,784314 rgBT /Overl 1.1 10	1.1	10
84	Time-resolved energy-dispersive XAFS study on the reduction process of Cu-ZSM-5 catalysts. Journal of Synchrotron Radiation, 2001, 8, 654-656.	2.4	9
85	Speciation of Chromium in Artificially Contaminated Soil Reference Material GSJ JSO-2 Using XANES and Chemical Extraction Methods. Geostandards and Geoanalytical Research, 2006, 30, 55-62.	1.9	9
86	X-Ray Absorption Fine Structure Study on Layered LiMO <sub>2</sub> (M=Ni, Mn, Co) Cathode Materials. Journal of the Electrochemical Society, 2006, 153, A1120.	2.9	9
87	A new method for the size-selective EXAFS of neutral free clusters. Journal of Synchrotron Radiation, 2001, 8, 542-544.	2.4	8
88	Incorporation site of Tb in GaN studied by Rutherford-backscattering ion channelling measurements and x-ray absorption fine-structure analysis. Journal of Physics Condensed Matter, 2001, 13, 10837-10843.	1.8	8
89	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
90	High-temperature X-ray Imaging Study of Simulated High-level Waste Glass Melt. Electrochemistry, 2013, 81, 543-546.	1.4	8

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91	Contact Microscopy with Synchrotron Radiation X-rays Using a Transmission Grating. Japanese Journal of Applied Physics, 1984, 23, 132-133.	1.5	7
92	X-ray absorption spectroscopic studies of a transient intermediate in the reaction of cyanide metmyoglobin with dithionite by using rapid freezing. BBA - Proteins and Proteomics, 1993, 1202, 99-106.	2.1	7
93	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
94	Curved crystal X-ray optics for a new type of high speed, multiwavelength dispersive X-ray reflectometer. Journal of Physics: Conference Series, 2007, 83, 012021.	0.4	7
95	Extended X-ray absorption fine structure study of the reaction between silica-supported copper(II) oxide catalysts and acetic acid. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 2635.	1.0	6
96	Variation of optical luminescence X-ray excitation spectra. Physica B: Condensed Matter, 1995, 208-209, 108-110.	2.7	6
97	A study of photoreactions in photosensitive TiO <sub>2</sub> /hybrid gel films induced by UV irradiation. Journal of the Ceramic Society of Japan, 2015, 123, 793-799.	1.1	6
98	Observation of surface reduction of NiO to Ni by surface-sensitive total reflection X-ray spectroscopy using Kramers–Kronig relations. Japanese Journal of Applied Physics, 2016, 55, 062401.	1.5	6
99	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
100	DXAFS study on the decarbonylation process of Mo(CO) <sub>6</sub> in NaY supercages. Journal of Synchrotron Radiation, 2001, 8, 628-630.	2.4	5
101	Growth and Characterization of Er-Doped GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 430-433.	0.8	5
102	TimeResolved EnergyDispersive XAFS for In-situ Characterization of NanoStructures and Catalysts. Physica Scripta, 2005, , 59.	2.5	5
103	XAFS Study on the Trace Amounts of Ytterbium Ions Incorporated in Calcium Carbonate Crystal. Physica Scripta, 2005, , 897.	2.5	5
104	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> . Catalysis Today, 2006, 111, 343-348.	4.4	5
105	An approach to nano-chemical analysis through NC-AFM technique. Catalysis Today, 2006, 117, 80-83.	4.4	5
106	Gold Silver Sulfide Structure on the Surface of Silver Halide Microcrystals. Japanese Journal of Applied Physics, 1993, 32, 770.	1.5	5
107	EXAFS Study of the Local Structure around Cobalt in Co–Mo/Al <sub>2</sub> O <sub>3</sub> Catalysts. Japanese Journal of Applied Physics, 1993, 32, 466.	1.5	4
108	Measurements of chemical species in flame at temperatures above 2000 Å°C – X-ray atomic absorption spectroscopy. Physica B: Condensed Matter, 1995, 208-209, 209-211.	2.7	4

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109	X-Ray Absorption Fine Structure (XAFS) Studies on Cobalt(II) Bromo Complexes in Acetic Acid Solutions. Bulletin of the Chemical Society of Japan, 1999, 72, 1239-1246.	3.2	4
110	Oxidation States of Ytterbium Incorporated in Calcium Carbonate and Calcium Fluoride. Chemistry Letters, 2005, 34, 852-853.	1.3	4
111	XANES Study of Tribofilms Generated from BeltDrive Continuously Variable Transmission Fluids. Physica Scripta, 2005, 2005, 332.	2.5	4
112	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
113	Beamline for a Soft X-Ray Undulator at the Photon Factory. Proceedings of SPIE, 1986, , .	0.8	3
114	Structural Study of Amorphous SiGe Alloy Films Using Extended X-Ray Absorption Fine Structure. Journal of the Physical Society of Japan, 1987, 56, 2413-2419.	1.6	3
115	EXAFS Study of Ni-Mo/Al <sub>2</sub> O <sub>3</sub> Hydrodesulfurization Catalysts. Japanese Journal of Applied Physics, 1993, 32, 469.	1.5	3
116	XAFS studies of Tb or Eu cored dendrimer complexes with various properties of luminescence. Journal of Synchrotron Radiation, 2001, 8, 710-712.	2.4	3
117	Development of surface sensitive DXAFS measurement method by applying Kramers-Kronig relations to total reflection spectra. Journal of Physics: Conference Series, 2014, 502, 012035.	0.4	3
118	Structure of the Catalytic Site of a Silica-Supported Copper, Manganese Catalyst. Japanese Journal of Applied Physics, 1993, 32, 496.	1.5	2
119	XAFS Applied to Trace Element Analysis. Japanese Journal of Applied Physics, 1993, 32, 237.	1.5	2
120	XAFS study on the sulfidation mechanisms of Co-Mo catalysts supported on activated carbon and alumina: effect of complexing agent. Journal of Synchrotron Radiation, 2001, 8, 651-653.	2.4	2
121	Analysis of the Local Structure around Eu and Mn Ions in Alkaline-Earth Silicate Phosphors for White Light Illumination. AIP Conference Proceedings, 2007, , .	0.4	2
122	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. Journal of Synchrotron Radiation, 2012, 19, 541-546.	2.4	2
123	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
124	Chemical Characterization of Surface Films Generated from Continuously Variable Transmission Fluids Using XAFS. , 0, , .		1
125	An Electron-Beam Profile Monitor Using Fresnel Zone Plates. AIP Conference Proceedings, 2004, , .	0.4	1
126	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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127	Optical Luminescence Yield Spectra of CaF <sub>2</sub> through X-ray Excitation. Japanese Journal of Applied Physics, 1993, 32, 214.	1.5	1
128	Synchrotron Radiation-Based X-ray Imaging Study of Ruthenium in Simulated High-Level Waste Glass. Transactions of the Atomic Energy Society of Japan, 2012, 11, 127-132.	0.3	1
129	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
130	Exafs study on tungsten silicide films. Applied Surface Science, 1988, 33-34, 160-166.	6.1	0
131	A Structural Study on Ag <sub>2</sub> O-CrO <sub>3</sub> Glass. Journal of the Physical Society of Japan, 1993, 62, 536-543.	1.6	0
132	Reversed Monte Carlo Simulation to XAFS Spectra of Liquid GeO <sub>2</sub> Polymorphs. Physica Scripta, 2005, , 1088.	2.5	0
133	A Preliminary Study on the Speciation of Inorganic and Organic T in Compounds Using XAFS. Physica Scripta, 2005, , 901.	2.5	0
134	The Adsorption Site and Structure of Metal Atoms on Oxide Single Crystals. Hyomen Kagaku, 2006, 27, 414-419.	0.0	0
135	Measurements and Detectors. , 2017, , 67-74.		0
136	Rapid-Freeze XAFS Characterization of Kinetic Intermediates of Metalloproteins. Japanese Journal of Applied Physics, 1993, 32, 538.	1.5	0
137	X-ray Excited Luminescence Yield Spectra of NaBr and NaBr:Cu Single Crystals. Japanese Journal of Applied Physics, 1993, 32, 217.	1.5	0