

**2013 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Recent Advances in Photocatalytic Conversion of Carbon Dioxide into Fuels with Water and/or Hydrogen using Solar Energy and Beyond	Y.Izumi	Coordination Chemistry Reviews	7C, 9A, 9C, 12C, NW10A	581
Molecular Basis of Binding between Novel Human Coronavirus MERS-CoV and its Receptor CD26	G.Lu, Y.Hu, Q.Wang, J.Qi, F.Gao, Y.Li, Y.Zhang, W.Zhang, Y.Yuan, J.Bao, B.Zhang, Y.Shi, J.Yan and G.F.Gao	Nature	NE3A	575
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## 2012 年出版

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P2-Type $\text{Na}_x[\text{Fe}_{1/2}\text{Mn}_{1/2}]\text{O}_2$ made from Earth-Abundant Elements for Rechargeable Na Batteries	N.Yabuuchi, M.Kajiyama, J.Iwatate, H.Nishikawa, S.Hitomi, R.Okuyama, R.Usui, Y.Yamada and S.Komaba	Nature Materials	12C	1904
Experimental Evidence for Epitaxial Silicene on Diboride Thin Films	A.Fleurence, R.Friedlein, T.Ozaki, H.Kawai, Y.Wang and Y.Yamada-Takamura	Physical Review Letters	18A	1475
Experimental Realization of a Topological Crystalline Insulator in SnTe	Y.Tanaka, Z.Ren, T.Sato, K.Nakayama, S.Souma, T.Takahashi, K.Segawa and Y.Ando	Nature Physics	28A	802
Alkali-Metal-Promoted Pt/TiO <sub>2</sub> Opens a More Efficient Pathway to Formaldehyde Oxidation at Ambient Temperatures	C.Zhang, F.Liu, Y.Zhai, H.Ariga, N.Yi, Y.Liu, K.Asakura, M.Flytzani-Stephanopoulos and H.He	Angewandte Chemie-International Edition	7C, 12C	658
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A Sensor-Adaptor Mechanism for Enterovirus Uncoating from Structures of EV71	X.Wang, W.Peng, J.Ren, Z.Hu, J.Xu, Z.Lou, X.Li, W.Yin, X.Shen, C.Porta, T.S.Walter, G.Evans, D.Axford, R.Owen, D.J.Rowlands, J.Wang, D.I.Stuart, E.E.Fry and Z.Rao	Nature Structural & Molecular Biology	17A	340
Gold Nanoparticles Stabilized on Nanocrystalline Magnesium Oxide as an Active Catalyst for Reduction of Nitroarenes in Aqueous Medium at Room Temperature	K.Layek, M.L.Kantam, M.Shirai, D.Nishio-Hamane, T.Sasaki and H.Maheswaran	Green Chemistry	7C, 9C	327
Tunable Dirac Cone in the Topological Insulator $\text{Bi}_{2-x}\text{Sb}_x\text{Te}_{3-y}\text{Se}_y$	T.Arakane, T.Sato, S.Souma, K.Kosaka, K.Nakayama, M.Komatsu, T.Takahashi, Z.Ren, K.Segawa and Y.Ando	Nature Communications	28A	314
Superhydrophobic Surfaces with Photocatalytic Self-Cleaning Properties by Nanocomposite Coating of TiO <sub>2</sub> and Polytetrafluoroethylene	T.Kamegawa, Y.Shimizu and H.Yamashita	Advanced Materials	7C	307

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**2011 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Inkjet Printing of Single-Crystal Films	H.Minemawari, T.Yamada, H.Matsui, J.Tsutsumi, S.Haas, R.Chiba, R.Kumai and T.Hasegawa	Nature	8A	1594
Detailed Studies of a High-Capacity Electrode Material for Rechargeable Batteries, $\text{Li}_2\text{MnO}_3\text{-LiCo}_{1/3}\text{Ni}_{1/3}\text{Mn}_{1/3}\text{O}_2$	N.Yabuuchi, K.Yoshii, S.Myung, I.Nakai and S.Komaba	Journal of the American Chemical Society	12C	1104
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Arsenic Release from Flooded Paddy Soils is Influenced by Speciation, Eh, pH, and Iron Dissolution	N.Yamaguchi, T.Nakamura, D.Dong, Y.Takahashi, S.Amachi and T.Makino	Chemosphere	12C	294
Linear- and Angular-Shaped Naphthodithiophenes: Selective Synthesis, Properties, and Application to Organic Field-Effect Transistors	S.Shinamura, I.Osaka, E.Miyazaki, A.Nakao, M.Yamagishi, J.Takeya and K.Takimiya	Journal of the American Chemical Society	8B	286

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**2010 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
The Selective Autophagy Substrate P62 Activates the Stress Responsive Transcription Factor Nrf2 through Inactivation of Keap1	M.Komatsu, H.Kurokawa, S.Waguri, K.Taguchi, A.Kobayashi, Y.Ichimura, Y.-S.Sou, I.Ueno, A.Sakamoto, K.I.Tong, M.Kim, Y.Nishito, S.Iemura, T.Natsume, T.Ueno, E.Kominami, H.Motohashi, K.Tanaka and M.Yamamoto	Nature Cell Biology	NW12A	1865
Self-Assembled $M_{24}L_{48}$ Polyhedra and their Sharp Structural Switch upon Subtle Ligand Variation	Q.-F.Sun, J.Iwasa, D.Ogawa, Y.Ishido, S.Sato, T.Ozeki, Y.Sei, K.Yamaguchi and M.Fujita	Science	NW2A	674
Above-Room-Temperature Ferroelectricity in a Single-Component Molecular Crystal	S.Horiuchi, Y.Tokunaga, G.Giovannetti, S.Picozzi, H.Ito, R.Shimano, R.Kumai and Y.Tokura	Nature	8A	640
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Platinum Nanoparticles: a Promising Material for Future Cancer Therapy?	E.Porcel, S.Liehn, H.Remita, N.Usami, K.Kobayashi, Y.Furusawa, C.Le Sech and S.Lacombe	Nanotechnology	27A	344
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Modification of Rh/SiO <sub>2</sub> Catalyst for the Hydrogenolysis of Glycerol in Water	Y.Shinmi, S.Koso, T.Kubota, Y.Nakagawa and K.Tomishige	Applied Catalysis B	NW10A	271

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## 2009 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Specific Recognition of Linear Ubiquitin Chains by NEMO is Important for NF-κB Activation	S.Rahighi, F.Ikeda, M.Kawasaki, M.Akutsu, N.Suzuki, R.Kato, T.Kensche, T.Uejima, S.Bloor, D.Komander, F.Randow, S.Wakatsuki and I.Dikic	Cell	17A	619
Effect of Electronic Structures of Au Clusters Stabilized by Poly( <i>N</i> -Vinyl-2-Pyrrolidone) on Aerobic Oxidation Catalysis	H.Tsunoyama, N.Ichikuni, H.Sakurai and T.Tsukuda	Journal of the American Chemical Society	12C	615
Recent Developments in Ruthenium Anticancer Drugs	A.Levina, A.Mitra and P.A.Lay	Metallomics	20B	542
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Structural Basis of Abscisic Acid Signalling	K.Miyazono, T.Miyakawa, Y.Sawano, K.Kubota, H.-J.Kang, A.Asano, Y.Miyauchi, M.Takahashi, Y.Zhi, Y.Fujita, T.Yoshida, K.Kodaira, K.Yamaguchi-Shinozaki and M.Tanokura	Nature	5A	457
Ferroelectricity and Polarity Control in Solid-State Flip-Flop Supramolecular Rotators	T.Akutagawa, H.Koshinaka, D.Sato, S.Takeda, S.Noro, Y.Takahashi, R.Kumai, Y.Tokura and T.Nakamura	Nature Materials	8A	426
Organic Field-Effect Transistors using Single Crystals	T.Hasegawa and J.Takeya	Science and Technology of Advanced Materials	8B	333
A review of the Fundamental Studies of the Copper Activation Mechanisms for Selective Flotation of the Sulfide Minerals, Sphalerite and Pyrite	A.P.Chandra, A.R.Gerson.	Advances in Colloid and Interface Science	20B	330
The Effect of Silica and Natural Organic Matter on the Fe(II)-Catalysed Transformation and Reactivity of Fe(III) Minerals	A.M.Jones, R.N.Collins, J.Rose, T.D.Waite	Geochimica et Cosmochimica Acta	20B	320

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## 2008 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Organic Ferroelectrics	S.Horiuchi and Y.Tokura	Nature Materials	1A	990
Experimental Visualization of Lithium Diffusion in $\text{Li}_x\text{FePO}_4$	S.Nishimura, G.Kobayashi, K.Ohoyama, R.Kanno, M.Yashima and A.Yamada	Nature Materials	4B2	646
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A Cholesterol Biosynthesis Inhibitor Blocks <i>Staphylococcus aureus</i> Virulence	C.-I.Liu, G.Y.Liu, Y.Song, F.Yin, M.E.Hensler, W.-Y.Jeng, V.Nizet, A.H.-J.Wang and E.Oldfield	Science	5A, NW12A	392
Structures of Two Coronavirus Main Proteases: Implications for Substrate Binding and Antiviral Drug Design	X.Xue, H.Yu, H.Yang, F.Xue, Z.Wu, W.Shen, J.Li, Z.Zhou, Y.Ding, Q.Zhao, X.C.Zhang, M.Liao, M.Bartlam and Z.Rao	Journal of Virology	5A	351
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Structural Basis of Target Recognition by Atg8/LC3 during Selective Autophagy	N.N.Noda, H.Kumeta, H.Nakatogawa, K.Satoo, W.Adachi, J.Ishii, Y.Fujioka, Y.Ohsumi and F.Inagaki	Genes to Cells	NW12A	322
Interfacial Modification for High-Power Solid-State Lithium Batteries	K.Takada, N.Ohta, L.Zhang, K.Fukuda, I.Sakaguchi, R.Ma, M.Osada and T.Sasaki	Solid State Ionics	6C	313
Structural Basis for Specific Cleavage of Lys 63-Linked Polyubiquitin Chains	Y.Sato, A.Yoshikawa, A.Yamagata, H.Mimura, M.Yamashita, K.Ookata, O.Nureki, K.Iwai, M.Komada and S.Fukai	Nature	NW12A	280
Multistep Engineering of Pyrrollysyl-tRNA Synthetase to Genetically Encode $N^{\omega}-(o\text{-Azidobenzoyloxycarbonyl})$ lysine for Site-Specific Protein Modification	T.Yanagisawa, R.Ishii, R.Fukunaga, T.Kobayashi, K.Sakamoto, S.Yokoyama	Chemistry & Biology	5A, NW12A	265

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## 2007 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
LiNbO <sub>3</sub> -Coated LiCoO <sub>2</sub> as Cathode Material for All Solid-State Lithium Secondary Batteries	N.Ohta, K.Takada, I.Sakaguchi, L.Zhang, R.Ma, K.Fukuda, M.Osada and T.Sasaki	Electrochemistry Communications	6C	631
Novel Cross-Linking Concept of Polymer Network: Synthesis, Structure, and Properties of Slide-Ring Gels with Freely Movable Junctions	K.Ito	Polymer Journal	15A	342
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Structure and Function of the Histone Chaperone CIA/ASF1 Complexed with Histones H3 and H4	R.Natsume, M.Eitoku, Y.Akai, N.Sano, M.Horikoshi and T.Senda	Nature	NW12A	249
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## 2006 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Comet 81P/Wild 2 Under a Microscope	D.Brownlee et al. (Nakamura T. 104th/185 authors)	Science	3A	777
Structural Basis for Defects of Keap1 Activity Provoked by Its Point Mutations in Lung Cancer	B.Padmanabhan, K.I.Tong, T.Ohta, Y.Nakamura, M.Scharlock, M.Ohtsuji, M.I.Kang, A.Kobayashi, S.Yokoyama and M.Yamamoto	Molecular Cell	6A	621
Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples	M.E.Zolensky et al. (Nakamura T. 36th/75 authors)	Science	3A	574
High-Pressure Phases of CaCO <sub>3</sub> : Crystal Structure Prediction and Experiment	A.R.Oganov, C.W.Glass and S.Ono	Earth and Planetary Science Letters	13A	315
Comparison of Antimony Behavior with That of Arsenic under Various Soil Redox Conditions	S.Mitsunobu, T.Harada and Y.Takahashi	Environmental Science & Technology	12C, 9A	296
Fluorous Nanodroplets Structurally Confined in an Organopalladium Sphere	S.Sato, J.Iida, K.Suzuki, M.Kawano, T.Ozeki, and M.Fujita	Science	NW2A	262
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Novel Expansion/Shrinkage Modulation of 2D Layered MOF Triggered by Clathrate Formation with CO <sub>2</sub> Molecules	A.Kondo, H.Noguchi, S.Ohnishi, H.Kajiro, A.Tohdoh, Y.Hattori, W.Xu, H.Tanaka, H.Kanoh and K.Kaneko	Nano Letters	10B, 7C, 9C	247
Efficient Overall Water Splitting under Visible-Light Irradiation on (Ga <sub>1-x</sub> Zn <sub>x</sub> ) <sub>(N<sub>1-x</sub>O<sub>x</sub>)</sub> Dispersed with Rh-Cr Mixed-Oxide Nanoparticles: Effect of Reaction Conditions on Photocatalytic Activity	K.Maeda, K.Teramura, H.Masuda, T.Takata, N.Saito, Y.Inoue, K.Domen	Journal of Physical Chemistry B	12C	213
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## 2005 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Structural Features of Titanate Nanotubes/Nanobelts Revealed by Raman, X-Ray Absorption Fine Structure and Electron Diffraction Characterizations	R.Ma, K.Fukuda, M.Osada, T.Sasaki and Y.Bando	Journal of Physical Chemistry B	12C	314
Ferroelectricity near Room Temperature in Co-Crystals of Nonpolar Organic Molecules	S.Horiuchi, F.Ishii, R.Kumai, Y.Okimoto, H.Tachibana, N.Nagaosa and Y.Tokura	Nature Materials	1A	311
Ordered Water inside Carbon Nanotubes: Formation of Pentagonal to Octagonal Ice-Nanotubes	Y.Maniwa, H.Kataura, M.Abe, A.Udaka, S.Suzuki, Y.Achiba, H.Kira, K.Matsuda, H.Kadowaki and Y.Okabe	Chemical Physics Letters	1B	276
Modifying Carbon Particles with Polypyrrole for Adsorption of Cobalt Ions as Electrocatalytic Site for Oxygen Reduction	M.Yuasa, A.Yamaguchi, H.Itsuki, K.Tanaka, M.Yamamoto and K.Oyaizu	Chemistry of Materials	12C	239
Discrete Stacking of Large Aromatic Molecules within Organic-Pillared Coordination Cages	M.Yoshizawa, J.Nakagawa, K.Kumazawa, M.Nagao, M.Kawano, T.Ozeki and M.Fujita	Angewandte Chemie-International Edition	NW2A	235
Formation of Nanoarchitectures Including Subnanometer Palladium Clusters and Their Use as Highly Active Catalysts	K.Okamoto, R.Akiyama, H.Yoshida, T.Yoshida and S.Kobayashi	Journal of the American Chemical Society	10B	217
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Photocurrent Generation from Semiconducting Manganese Oxide Nanosheets in Response to Visible Light	Sakai N.; Ebina Y.; Takada K.; Sasaki T.	Journal of Physical Chemistry B	3A	185

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## 2004 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Crystal Structure of Spinach Major Light-Harvesting Complex at 2.72 Å Resolution	Z.Liu, H.Yan, K.Wang, T.Kuang, J.Zhang, L.Gui, X.An and W.Chang	Nature	6B, 6C	1448
Understanding the Phase-Change Mechanism of Rewritable Optical Media	A.V.Kolobov, P.Fons, A.Frenkel, A.L.Ankudinov, J.Tominaga and T.Uruga	Nature Materials	12C	1238
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※被引用数は 2024 年 7 月 Scopus 調べ

## 2003 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Magnetic Control of Ferroelectric Polarization	T.Kimura, T.Goto, H.Shintani, K.Ishizaka, T.Arima and Y.Tokura	Nature	4C	4194
Highly Efficient Water Splitting into H <sub>2</sub> and O <sub>2</sub> over Lanthanum-Doped NaTaO <sub>3</sub> Photocatalysts with High Crystallinity and Surface Nanostructure	H.Kato, K.Asakura and A.Kudo	Journal of the American Chemical Society	9A	1623
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## 2002 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Degradation of Propanol Diluted in Water under Visible Light Irradiation Using Metal Ion-Implanted Titanium Dioxide Photocatalysts	H.Yamashita, M.Harada, J.Misaka, M.Takeuchi, K.Ikeue and M.Anpo	Journal of Photochemistry and Photobiology A-Chemistry	7C, 9A	500
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Preparation of Wormhole-like Mesoporous TiO <sub>2</sub> with an Extremely Large Surface Area and Stabilization of its Surface by Chemical Vapor Deposition	H.Yoshitake, T.Sugihara and T.Tatsumi	Chemistry of Materials	9A	225
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※被引用数は 2024 年 7 月 Scopus 調べ

## 2001 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Ordered Nanoporous Arrays of Carbon Supporting High Dispersions of Platinum Nanoparticles	S.H.Joo, S.J.Choi, I.Oh, J.Kwak, Z.Liu, O.Terasaki and R.Ryoo	Nature	10B	2453
Resonant Inelastic X-Ray Scattering Spectra for Electrons in Solids	A.Kotani and S.Shin	Reviews of Modern Physics	19B, 2C	712
Supramolecular Assembly and Acid Resistance of <i>Helicobacter Pylori</i> Urease	N.C.Ha, S.T.Oh, J.Y.Sung, K.A.Cha, M.H.Lee and B.H.Oh	Nature Structural Biology	6A	417
Silver-Alumina Catalysts for Selective Reduction of NO by Higher Hydrocarbons: Structure of Active Sites and Reaction Mechanism	K.Shimizu, J.Shibata, H.Yoshida, A.Satsuma and T.Hattori	Applied Catalysis B	10B	307
Photocatalytic Reactions of CO <sub>2</sub> with H <sub>2</sub> O on Ti-β Zeolite Photocatalysts: Effect of the Hydrophobic and Hydrophilic Properties	K.Ikeue, H.Yamashita, T.Takewaki and M.Anpo	Journal of Physical Chemistry B	7C, 9A	305
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Structure Dependence of Ferroelectric Properties of Bismuth Layer-Structured Ferroelectrics	H.Irie, M.Miyayama and T.Kudo	Journal of Applied Physics	4B2	272
Decomposition of Methane over Supported-Ni Catalysts: Effects of the Supports on the Catalytic Lifetime	S.Takenaka, H.Ogihara, L.Yamanaka and K.Otsuka	Applied Catalysis A	9A	261
Superconductivity in the Non-Magnetic State of Iron under Pressure	K.Shimizu, T.Kimura, S.Furomoto, K.Takeda, K.Kontani, Y.Onuki and K.Amaya	Nature	18C	248
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## 2000 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Structural Basis of the Membrane-Targeting and Unmasking Mechanisms of the Radixin FERM Domain	K.Hamada, T.Shimizu, T.Matsui, S.Tsukita and T.Hakoshima	The EMBO Journal	6A	326
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Crystal Structures of Photosynthetic Reaction Center and High-Potential Iron-Sulfur Protein from <i>Thermochromatium Tepidum</i> ; Thermostability and Electron Transfer	T.Nogi, I.Fathir, M.Kobayashi, T.Nozawa and K.Miki	Proceedings of the National Academy of Sciences, USA	6A, 18B, 6B	153
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Selective Dehydroaromatization of Methane toward Benzene on Re/HZSM-5 Catalysts and Effects of CO/CO <sub>2</sub> Addition	L.Wang, R.Ohnishi and M.Ichikawa	Journal of Catalysis	10B	130
In Situ Determination of the Phase Boundary Between Wadsleyite and Ringwoodite in Mg <sub>2</sub> SiO <sub>4</sub>	A.Suzuki, E.Ohtani, H.Morishima, T.Kubo, Y.Kanbe, T.Kondo, T.Okada, H.Terasaki, T.Kato and T.Kikegawa	Geophysical Research Letters	14C, NE5	127

※被引用数は 2024 年 7 月 Scopus 調べ

**1999 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Instability and Charge Density Wave of Metallic Quantum Chains on a Silicon Surface	H.W.Yeom, S.Takeda, E.Rotenberg, I.Matsuda, K.Horikoshi, J.Schaefer, C.M.Lee, S.D.Kevan, T.Ohta, T.Nagao and S.Hasegawa	Physical Review Letters	7B	539
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Bifunctional Catalysis of Mo/HZSM-5 in the Dehydroaromatization of Methane to Benzene and Naphthalene XAFS/TG/DTA/MASS/FTIR Characterization and Supporting Effects	S.T.Liu, L.Wang, R.Ohnishi and M.Ichikawa	Journal of Catalysis	10B	295
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A New Mode of B <sub>12</sub> Binding and the Direct Participation of a Potassium Ion in Enzyme Catalysis: X-Ray Structure of Diol Dehydratase	N.Shibata, J.Masuda, T.Tobimatsu, T.Toraya, K.Suto, Y.Morimoto and N.Yasuoka	Structure	6, 18B	223
Characterization of Metal Ion-Implanted Titanium Oxide Photocatalysts Operating under Visible Light Irradiation	H.Yamashita, Y.Ichihashi, M.Takeuchi, S.Kishiguchi and M.Anpo	Journal of Synchrotron Radiation	7C	196
Crystal Structure of an IRF/DNA Complex Reveals a Novel DNA Recognition and Cooperative binding to a Tandem Repeat of the Core Sequence	Y.Fujii, T.Shimizu, M.Kusumoto, Y.Kyogoku, T.Taniguchi and T.Hakoshima	The EMBO Journal	6B	182
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※被引用数は 2024 年 7 月 Scopus 調べ

**1998 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Redox-Coupled Crystal Structural Changes in Bovine Heart Cytochrome c Oxidase	S.Yoshikawa, K.Shinzawa-Itoh, R.Nakashima, R.Yaono, E.Yamashita, N.Inoue, M.Yao, M.J.Fei, C.P.Libeu, T.Mizushima, H.Yamaguchi, T.Tomizaki and T.Tsukihara	Science	6A	993
Resonant X-Ray Scattering from Orbital Ordering in LaMnO <sub>3</sub>	Y.Murakami, J.P.Hill, D.Gibbs, M.Blume, I.Koyama, M.Tanaka, H.Kawata, T.Arima, Y.Tokura, K.Hirota and Y.Endoh	Physical Review Letters	4C, 16A2	610
Direct Observation of Charge and Orbital Ordering in La <sub>0.5</sub> Sr <sub>1.5</sub> MnO <sub>4</sub>	Y.Murakami, H.Kawada, H.Kawata, M.Tanaka, T.Arima, Y.Moritomo and Y.Tokura	Physical Review Letters	4C, 16A2	547
Perpendicular Magnetic Anisotropy Caused by Interfacial Hybridization via Enhanced Orbital Moment in Co/Pt Multilayers: Magnetic Circular X-Ray Dichroism Study	N.Nakajima, T.Koide, T.Shidara, H.Miyauchi, I.Fukutani, A.Fujimori, K.Iio, T.Katayama, M.Nyvlt and Y.Suzuki	Physical Review Letters	NE1B, 28A	373
Novel Non-heme Iron Center of Nitrile Hydratase with a Claw Setting of Oxygen Atoms	S.Nagashima, M.Nakasako, N.Dohmae, M.Tsujimura, K.Takio, M.Odaka, M.Yohda, N.Kamiya and I.Endo	Nature Structural Biology	18B, 6B	341
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Do All Freshwater Eels Migrate?	K.Tsukamoto, I.Nakai and W.-V.Tesch	Nature	4A	292
Core-level Photoemission Study of Ga <sub>1-x</sub> Mn <sub>x</sub> As	J.Okabayashi, A.Kimura, O.Rader, T.Mizokawa and A.Fujimori	Physical Review B	18A	291
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Preparation of Titanium Oxide Photocatalysts Anchored on Porous Silica Glass by a Metal Ion-Implantation Method and Their Photocatalytic Reactivities for the Degradation of 2-Propanol Diluted in Water	H.Yamashita, M.Honda, M.Harada, Y.Ichihashi, M.Anpo, T.Hirao, N.Itoh and N.Iwamoto	Journal of Physical Chemistry B	7C	244

※被引用数は 2024 年 7 月 Scopus 調べ

**1997 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Cloning and Crystal Structure of Hematopoietic Prostaglandin D Synthase	Y.Kanaoka, H.Ago, E.Inagaki, T.Nanayama, M.Miyano, R.Kikuno, Y.Fujii, N.Eguchi, H.Toh, Y.Urade and O.Hayaishi	Cell	6B	240
Three-dimensional Structure of Maize $\alpha$ -zein Proteins Studied by Small-angle X-ray Scattering	N.Matsushima, G.Danno, H.Takezawa and Y.Izumi	Biochimica et Biophysica Acta-Proteins and Proteomics	10C	222
The 2.8 Å Structure of Hydroxylamine Oxidoreductase from a Nitrifying Chemoautotrophic Bacterium, <i>Nitrosomonas europaea</i>	N.Igarashi, H.Moriyama, T.Fujiwara, Y.Fukamori and N.Tanaka	Nature Structural Biology	6A2	209
Crystal Structure of DNA Photolyase from <i>Anacystis nidulans</i>	T.Tamada, K.Kitadokoro, Y.Higuchi, K.Inaka, A.Yasui, P.E.de Ruiter, A.P.M.Eker and K.Miki	Nature Structural Biology	6A2, 18B	197
Crystal Structure of Nitric Oxide Reductase from Denitrifying Fungus <i>Fusarium oxysporum</i>	S.-Y.Park, H.Shimizu, S.Adachi, A.Nakagawa, I.Tanaka, K.Nakahara, H.Shoun, E.Obayashi, H.Nakamura, T.Iizuka and Y.Shiro	Nature Structural Biology	18B, 6A	182
Crystal Structure of PHO4 bHLH Domain-DNA complex: Flanking Base Recognition	T.Shimizu, A.Toumoto, K.Ihara, M.Shimizu, Y.Kyogoku, N.Ogawa, Y.Oshima and T.Hakoshima	The EMBO Journal	18B	160
Structure of Coagulation Factors IX/X-Binding Protein, a Heterodimer of C-Type Lectin Domains	H.Mizuno, Z.Fujimoto, M.Koizumi, H.Kano, H.Atoda and T.Morita	Nature Structural Biology	6A2	138
Crystal Structure of Rat Bcl-xL. Implications for the Function of the Bcl-2 Protein Family.	M.Aritom, N.Kunishima, N.Inohara, Y.Ishibashi, S.Ohta and K.Morikawa	Journal of Biological Chemistry	6A2	113
Intracrystalline Structure of Molecular Mercury Halide Intercalated in High- $T_c$ Superconducting Lattice of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$	J.-H.Choy, S.-J.Hwang and N.-G.Park	Journal of the American Chemical Society	7C,10B	104
Contribution of Water Molecules in the Interior of a Protein to the Conformational Stability	K.Takano, J.Funahashi, Y.Yamaguchi, S.Fujii and K.Yutani	Journal of Molecular Biology	6B	104

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## 1996 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
The Whole Structure of the 13-Subunit Oxidized Cytochrome c Oxidase at 2.8 Å	T.Tsukihara, H.Aoyama, E.Yamashita, T.Tomizaki, H.Yamaguchi, K.Shinzawa-Itoh, R.Nakashima, R.Yaono and S.Yoshikawa	Science	6A2	1979
Phase-Contrast X-Ray Computed Tomography for Observing Biological Soft Tissues	A.Momose, T.Takeda, Y.Itai and K.Hirano	Nature Medicine	14B	796
Determination of the Local Lattice Distortions in the CuO <sub>2</sub> Plane of La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub>	A.Bianconi, N.L.Saini, A.Lanzara, M.Missori, T.Rossetti, H.Oyanagi, H.Yamaguchi, K.Oka and T.Ito	Physical Review Letters	13B	638
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Photocatalytic Decomposition of NO at 275 K on Titanium Oxides Included within Y-Zeolite Cavities: The Structure and Role of the Active Sites	H.Yamashita, Y.Ichihashi, M.Anpo, M.Hashimoto, C.Louis and M.Che	Journal of Physical Chemistry	7C, 10B	274
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Thermoelastic Properties of MgSiO <sub>3</sub> Perovskite Determined by in situ X ray Observations up to 30 GPa and 2000 K	N.Funamori, T.Yagi, W.Utsumi, T.Kondo, T.Uchida and M.Funamori	Journal of Geophysical Research	14C	219

※被引用数は 2024 年 7 月 Scopus 調べ

## 1995 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Structure at 2.8 Å Resolution of Cytochrome c Oxidase from <i>Paracoccus denitrificans</i>	S.Iwata, C.Ostermeier, B.Ludwig and H.Michel	Nature	6A2	2007
Structures of Metal Sites of Oxidized Bovine Heart Cytochrome c Oxidase at 2.8 Å	T.Tsukihara, H.Aoyama, E.Yamashita, T.Tomizaki, H.Yamaguchi, K.Shinzawa-Itoh, R.Nakashima, R.Yaono and S.Yoshikawa	Science	6A2	1318
A Structural Role for Hormone in the Thyroid Hormone Receptor	R.L.Wagner, J.W.Apriletti, M.E.McGrath, B.L.West, J.D.Baxter and R.J.Fletterick	Nature	6A2	822
High Resolution Structures of HIV-1 RT from Four RT-Inhibitor Complexes	J.Ren, R.Esnouf, E.Garman, D.Somers, C.Ross, I.Kirby, J.Keeling, G.Darby, Y.Jones, D.Stuart and D.Stammers	Nature Structural Biology	6A2	565
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Photocatalytic Reduction of CO <sub>2</sub> with H <sub>2</sub> O on Various Titanium Oxide Catalysts	M.Anpo, H.Yamashita, Y.Ichihashi and S.Ehara	Journal of Electroanalytical Chemistry	7C	434
Phonon Density of States Measured by Inelastic Nuclear Resonant Scattering	W.Sturhahn, T.S.Toellner, E.E.Alp, X.Zhang, M.Ando, Y.Yoda, S.Kikuta, M.Seto, C.W.Kimball and B.Dabrowski	Physical Review Letters	NE3A	433
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Crystal Structure of <i>Thermus Aquaticus</i> DNA Polymerase	Y.Kim, S.H.Eom, J.Wang, D.-S.Lee, S.W.Suh, T.A.Steitz	Nature	6A2	343
Demonstration of Phase-Contrast X-Ray Computed Tomography Using an X-Ray Interferometer	A.Momose	Nuclear Instruments & Methods in Physics Research Section A	8C2	343

※被引用数は 2024 年 7 月 Scopus 調べ

**1994 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Three-Dimensional Structure of $\beta$ -Galactosidase from <i>E.coli</i>	R.H.Jacobson, X-J.Zhang, R.F.DuBose and B.W.Matthews	Nature	6A2	581
X-Ray Diffraction Evidence for the Extensibility of Actin and Myosin Filaments During Muscle Contraction	K.Wakabayashi, Y.Sugimoto, H.Tanaka, Y.Ueno, Y.Takezawa and Y.Amemiya	Biophysical Journal	15A	400
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※被引用数は 2024 年 7 月 Scopus 調べ

**1993 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Crystal Structure of a Bacterial Non-Haem Iron Hydroxylase That Catalyses the Biological Oxidation of Methane	A.C.Rosenzweig, C.A.Frederick, S.J.Lippard and P.Nordlund	Nature	6A2	892
Evidence of Copious Vacancy Formation in Ni and Pd under a High Hydrogen Pressure	Y.Fukai and N.Okuma	Japanese Journal of Applied Physics	NE5C	265
Molten Globule of Cytochrome c Studied by Small Angle X-Ray Scattering	M.Kataoka, Y.Hagihara, K.Mihara and Y.Goto	Journal of Molecular Biology	10C	235
Pressure-Induced Phase Transition in SiC	M.Yoshida, A.Onodera, M.Ueno, K.Takemura and O.Shimomura	Physical Review B	6B	200
Catalytic Activity and Structural Analysis of Polymer-Protected Au/Pd Bimetallic Clusters Prepared by the Successive Reduction of HAuCl <sub>4</sub> and PdCl <sub>2</sub>	M.Harada, K.Asakura and N.Toshima	Journal of Physical Chemistry	10B	177
Crystal Structure of <i>Escherichia coli</i> RNase HI in Complex with Mg <sup>2+</sup> at 2.8 Å Resolution: Proof for a Single Mg <sup>2+</sup> Binding Site	K.Katayanagi, M.Okumura and K.Morikawa	Proteins-Structure Function and Bioinformatics	6A2	145
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Biexciton Lasing in CuCl Quantum Dots	Y.Masumoto, T.Kawamura and K.Era	Applied Physics Letters	15A	122
Three-Dimensional Structure of the Glutathione Synthetase from <i>Escherichia coli</i> B at 2.0 Å Resolution	H.Yamaguchi, H.kato, Y.Hata, T.Nishioka, A.Kimura, J.Oda and Y.Katsube	Journal of Molecular Biology	6A2	118

※被引用数は 2024 年 7 月 Scopus 調べ

**1992 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Atomic Structure and Chemistry of Human Serum Albumin	X.M.He and D.C.Carter	Nature	14A	3657
The Structure of the Complex Between Influenza Virus Neuraminidase and Sialic Acid, the Viral Receptor	J.N.Varghese, J.B.Caldwell, J.L.Mckimm-Breschkin, A.A.Kortt and P.M.Colman	Proteins-Structure Function and Bioinformatics	6A2	409
Catalytic Activity and Structural Analysis of Polymer-Protected Au-Pd Bimetallic Clusters Prepared by the Simultaneous Reduction of HAuCl <sub>4</sub> and PdCl <sub>2</sub>	N.Toshima, M.Harada, Y.Yamazaki and K.Asakura	Journal of Physical Chemistry	10B	377
Crystallization of Block Copolymers. 1. Small-Angle X-Ray Scattering Study of an $\epsilon$ -Caprolactone-Butadiene Diblock Copolymer	S.Nojima, K.Kato, S.Yamamoto and T.Ashida.	Macromolecules	10C	256
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※被引用数は 2024 年 7 月 Scopus 調べ

## 1991 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Three-Dimensional Structures of the Ligand-Binding Domain of the Bacterial Aspartate Receptor with and without a Ligand	M.V.Milburn, G.G.Privé, D.L.Milligan, W.G.Scott, J.Yeh, J.Jancarik, D.E.Koshland Jr. and S.-H.Kim	Science	6A2	401
X-Ray Diffraction Data Collection System for Modern Protein Crystallography with a Weissenberg Camera and an ImagingPlate Using Synchrotron Radiation	N.Sakabe	Nuclear Instruments & Methods in Physics Research Section A	6A2	321
Structural Analysis of Polymer-Protected Pd/Pt Bimetallic Clusters as Dispersed Catalysts by Using Extended X-Ray Absorption Fine Structure Spectroscopy	N.Toshima, M.Harada, T.Yonezawa, K.Kushihashi and K.Asakura	Journal of Physical Chemistry	10B	311
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Refined Crystal Structure of the Complex of Subtilisin BPN' and <i>Streptomyces</i> Subtilisin Inhibitor at 1.8 Å	Y.Takeuchi, Y.Satow, K.T.Nakamura and Y.Mitsui	Journal of Molecular Biology	6A2	136
Synchrotron Radiation Photoemission Analysis for $(\text{NH}_4)_2\text{S}_x$ Treated GaAs	H.Sugahara, M.Oshima, H.Oigawa, H.Shigekawa and Y.Nannichi	Journal of Applied Physics	1A	126
Noneubic Symmetry in Garnet Structures Studied using Extended X-Ray-Absorption Fine-Structure Spectra	J. Dong, K.Lu	Physical Review B	10B	123

※被引用数は 2024 年 7 月 Scopus 調べ

**1990 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Molecular Switch for Signal Transduction: Structural Differences between Active and Inactive Forms of Protooncogenic <i>ras</i> Proteins	M.V.Milburn, L.Tong, A.M.deVos, A.Brünger, Z.Yamaizumi, S.Nishimura and S.-H.Kim	Science	6A2	939
Three-dimensional Structure of Ribonuclease H from <i>E.coli</i>	K.Katayanagi, M.Miyagawa, M.Matsushima, M.Ishikawa, S.Kanaya, M.Ikehara, T.Matsuzaki and K.Morikawa	Nature	6A2	334
Crystal Structure of an Active Form of RAS Protein, a Complex of a GTP Analog and the HRAS p21 Catalytic Domain	A.T.Brünger, M.V.Milburn, L.Tong, A.M.DeVos, J.Jancarik, Z.Yamaizumi, S.Nishimura, E.Ohtsuka and S.-H.Kim	Proceedings of the National Academy of Sciences, USA	6A2	110
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Synthesis of a Highly Stable Iron Porphyrin Coordinated by Alkylthiolate Anion as a Model for Cytochrome P-450 and Its Catalytic Activity in O-O Bond Cleavage	T.Higuchi, S.Uzu and M.Hirobe	Journal of the American Chemical Society	7C, 10B	97
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Bimetallic Promotion of Alcohol Production in CO Hydrogenation and Olefin Hydroformylation on RhFe, PtFe, PdFe, and IrFe Cluster-Derived Catalysts	A.Fukuoka, T.Kimura, N.Kosugi, H.Kuroda, Y.Minai, Y.Sakai, T.Tominaga and M.Ichikawa	Journal of Catalysis	10B	89
An in situ X ray Diffraction Study of the Kinetics of the Ni <sub>2</sub> SiO <sub>4</sub> Olivine-Spinel Transformation	D.C.Rubie	Journal of Geophysical Research	NE5A2	85

※被引用数は 2024 年 7 月 Scopus 調べ

**1989 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Time-Resolved X-Ray Diffraction and Calorimetric Studies at Low Scan Rates: I. Fully Hydrated Dipalmitoylphosphatidylcholine (DPPC) and DPPC/Water/Ethanol Phases	B.G.Tenchov, H.Yao and I.Hatta	Biophysical Journal	15A	116
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X-ray Raman Scattering as a Substitute for Soft-X-Ray Extended X-Ray-Absorption Fine Structure	K.Tohji, Y.Udagawa	Physical Review B	10C	75

※被引用数は 2024 年 7 月 Scopus 調べ

**1988 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Imaging Plate Illuminates Many Fields	Y.Amemiya and J.Miyahara	Nature	15A	490
X-Ray Absorption (EXAFS/XANES) Study of Supported Vanadium Oxide Catalysts. Structure of surface vanadium oxide species on silica and $\gamma$ -alumina at a low level of vanadium loading	T.Tanaka, H.Yamashita, R.Tsuchitani, T.Funabiki and S.Yoshida	Journal of the Chemical Society, Faraday Transactions	7C, 10B	295
Study on the Size and Shape of CuCl Microcrystals Embedded in Alkali-Chloride Matrices and Their Correlation with Exciton Confinement	T.Itoh, Y.Iwabuchi and M.Kataoka	Physica Status Solidi B	10C	203
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Novel C-2 Epimerization of Aldoses Promoted by Nickel(II) Diamine Complexes, Involving a Stereospecific Pinacol-Type 1,2-Carbon Shift	T.Tanase, F.Shimizu, M.Kuse, M.Hidai, S.Yano and S.Yoshikawa	Inorganic Chemistry	10B	59
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※被引用数は 2024 年 7 月 Scopus 調べ

## 1987 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Accurate Bond Length Determination by EXAFS Method	H.Maeda	Journal of the Physical Society of Japan	10B	139
Laser-Stimulated Luminescence Used to Measure X-ray Diffraction of Contracting Striated Muscle	Y.Amemiya, K.Wakabayashi, H.Tanaka, Y.Ueno and J.Miyahara	Science	15A	104
Synchrotron-Radiation Photoemission Study of the High- $T_c$ Superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$	T.Takahashi, F.Maeda, H.Arai, H.Katayama-Yoshida, Y.Okabe, T.Suzuki, S.Hosoya, A.Fujimori, T.Shidara, T.Koide, T.Miyahara, M.Onda, S.Shamoto and M.Sato	Physical Review B	11D	94
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Oxygen K X-Ray-Absorption Near-Edge Structure of Alkaline-Earth-Metal and 3d-Transition-Metal Oxides	S.Nakai, T.Mitsuishi, H.Sugawara, H.Maezawa, T.Matsukawa, S.Mitani, K.Yamasaki and T.Fujikawa	Physical Review B	2B	78
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Stability and Antiphase Domain Structure of the Phyrochlore Solid Solution in the $\text{ZrO}_2\text{-Gd}_2\text{O}_3$ System	T.Uehara, K.Koto, F.Kanamaru and H.Horiuchi	Solid State Ionics	10C	67
Generation of Quasi-Circularly Polarized Undulator Radiation with Higher Harmonics	S.Yamamoto and H.Kitamura	Japanese Journal of Applied Physics		60
Novel Approach for Structural Analysis by X-Ray Raman Scattering	K.Tohji and Y.Udagawa	Physical Review B	10C	56
Synchrotron Radiation-excited Chemical Vapor Deposition of $\text{Si}_x\text{N}_y\text{H}_z$ Film	H.Kyuragi and T.Urisu	Journal of Applied Physics	1C	52

※被引用数は 2024 年 7 月 Scopus 調べ

**1986 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
A New Type of X-ray Area Detector Utilizing Laser Stimulated Luminescence	J.Miyahara, K.Takahashi, Y.Amemiya, N.Kamiya and Y.Satow	Nuclear Instruments & Methods in Physics Research Section A	15A, 4B	366
Photocatalytic Decomposition of Water into H <sub>2</sub> and O <sub>2</sub> over NiO-SrTiO <sub>3</sub> Powder. 1. Structure of the Catalyst	K.Domen, A.Kudo, T.Onishi, N.Kosugi and H.Kuroda	Journal of Physical Chemistry	10B	356
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Optical Spectra of Y <sub>2</sub> O <sub>3</sub> Single Crystals in VUV	T.Tomiki, J.Tamashiro, Y.Tanahara, A.Yamada, H.Fukutani, T.Miyahara, H.Kato, S.Shin and M.Ishigame	Journal of the Physical Society of Japan	11C	87
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Polarized XANES Spectra of CuCl <sub>2</sub> -2H <sub>2</sub> O. Further Evidence for Shake-down Phenomena	T.Yokoyama, N.Kosugi and H.Kuroda	Chemical Physics	10B	73
Saggitally Focusing Double-Crystal Monochromator with Constant Exit Beam Height at the Photon Factory	T.Matsushita, T.Ishikawa and H.Oyanagi	Nuclear Instruments & Methods in Physics Research Section A	4C	70
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High-Resolution VUV Spectroscopic Facility at the Photon Factory	K.Ito, T.Namioka, T.Sasaki, H.Noda, K.Goto, T.Katayama and M.Koike	Applied Optics	12B	58

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**1985 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Aggregation of Bovine Serum Albumin upon Cleavage of its Disulfide Bonds, Studied by the Time-Resolved Small-Angle X-Ray Scattering Technique with Synchrotron Radiation	T.Ueki, Y.Hiragi, M.Kataoka, Y.Inoko, Y.Amemiya, Y.Izumi, H.Tagawa and Y.Muroga	Biophysical Chemistry	10C	199
X-Ray Resonance Magnetic Scattering	K.Namikawa, M.Ando, T.Nakajima and H.Kawata	Journal of the Physical Society of Japan	15B	157
Single and Double Photoionisation of Ca Atoms between 35 and 42 nm	Y.Sato, T.Hayaishi, Y.Itikawa, Y.Itoh, J.Murakami, T.Nagata, T.Sasaki, B.Sonntag, A.Yagishita and M.Yoshino	Journal of Physics B	12A	75
Dynamic Behaviour of Active Sites of a SiO <sub>2</sub> -Attached Mo(VI)-Dimer Catalyst during Ethanol Oxidation Observed by Means of EXAFS	Y.Iwasawa, K.Asakura, H.Ishii and H.Kuroda	Zeitschrift fur physikalische Chemie	10B	56
Dissociation Processes of O <sub>2</sub> in the VUV Region 500-700 Å	T.Akahori, Y.Morioka, M.Watanabe, T.Hayaishi, K.Ito and M.Nakamura	Journal of Physics B	12A	53
Energy Dispersive X-Ray Fluorescence Analysis with Synchrotron Radiation	A.Iida, K.Sakurai, T.Matsushita and Y.Gohshi	Nuclear Instruments & Methods	4A	48
Photoemission Study of the Existence of a Valence-Band Satellite in Fe	H.Kato, T.Ishii, S.Masuda, Y.Harada, T.Miyano, T.Komeda, M.Onchi and Y.Sakisaka	Physical Review B	11D	48
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Fluorescence-Detected X-Ray Absorption Spectroscopy Applied to Structural Characterization of Very Thin Films; Ion-Beam Induced Modification of Thin Ni Layers on Si(100)	H.Oyanagi, T.Matsushita, H.Tanoue, T.Ishiguro and K.Kohra	Japanese Journal of Applied Physics	10C	45
Angle-Resolved Photoemission of the c(2 × 2) and c(3 × 1) Oxygen Overlayers on Fe(110)	Y.Sakisaka, T.Komeda, T.Miyano, M.Onchi, S.Masuda, Y.Harada, K.Yagi and H.Kato	Surface Science	11D	40

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**1984 年出版**

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Polarized Cu K-Edge XANES of Square Planar CuCl <sub>4</sub> <sup>2-</sup> Ion. Experimental and Theoretical Evidence for Shake-Down Phenomena.	N.Kosugi, T.Yokoyama, K.Asakura and H.Kuroda	Chemical Physics	10B	184
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Polarized X-Ray Absorption Spectra of Brome-Doped Polyacetylene; Evidence for Highly-Oriented Polybromine Ions	H.Oyanagi, M.Tokumoto, T.Ishiguro, H.Shirakawa, H.Nemoto, T.Matsushita, M.Ito and H.Kuroda	Journal of the Physical Society of Japan	10B	28
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Structures of the Catalysts Derived from Rh-Co Bimetallic Carbonyls Supported on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> : Study of Rh-K EXAFS	T.Yokoyama, K.Yamazaki, N.Kosugi, H.Kuroda, M.Ichikawa and T.Fukushima	Journal of the Chemical Society, Chemical Communications	10B	22
A Monolithic X-ray Monochromator with Fixed Exit Beam Position	P.Spieker, M.Ando and N.Kamiya	Nuclear Instruments & Methods		21
In-Plane Density of Potassium Liquid-Solid Transitions in Potassium Graphite Intercalation Compounds	R.Nishitani, Y.Uno, H.Suematsu, Y.Fujii and T.Matsushita	Physical Review Letters	4B	20
The Binding and Correlation Effects in Carbon Dioxide as Investigated by Gas X-Ray Diffraction	T.Mitsuhashi and T.Iijima	Chemical Physics Letters		18
A High-Speed X-Ray Topography Camera for Use with Synchrotron Radiation at the Photon Factory	S.Suzuki, M.Ando, K.Hayakawa, O.Nittono, H.Hashizume, S.Kishino and K.Kohra	Nuclear Instruments & Methods	15B	18

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## 1983 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Design of a Small-Angle X-Ray Diffractometer Using Synchrotron Radation at the Photon Factory	Y.Amemiya, K.Wakabayashi, T.Hamanaka, T.Wakabayashi, T.Matsushita and H.Hashizume	Nuclear Instruments & Methods		188
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Structure Analysis of the NiSi <sub>2</sub> /(111)Si Interface by the X-Ray Standing Wave Method	K.Akimoto, T.Ishikawa, T.Takahashi and S.Kikuta	Japanese Journal of Applied Physics	15C	24
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Differential Scattering in Collisions of K <sup>+</sup> Ions with Ar Atoms	S.Kita, M.Izawa and H.Inouye	Journal of Physics B		19
EXAFS Study of Bromine-doped Polyacetylene	M.Tokumoto, H.Oyanagi, T.Ishiguro, H.Shirakawa, H.Nemoto, T.Matsushita, M.Ito, H.Kuroda and K.Kohra	Solid State Communications	10B	14
Absolute Measurement of Undulator Radiation in the Extreme Ultraviolet	H.Maezawa, S.Mitani, Y.Suzuki, H.Kanamori, S.Tamamushi, A.Mikuni, H.Kitamura and T.Sasaki	Nuclear Instruments & Methods in Physics Research Section A		14
EXAFS and XANES Studies of Wolffram's Red Salt	H.Terauchi, K.Tanabe, K.Kikukawa, M.Hida, S.Iida, H.Maeda, N.Kamijo	Journal of the Physical Society of Japan	10B	4
Photon Factory: Status of Storage Ring	K.Huke, K.Kajiura, Y.Kamiya, N.Kanaya, T.Katsura, M.Kihara, H.Kitamura, H.Kobayakawa, M.Kobayashi, T.Koide, C.O.Pak, S.Sato, S.Shibata, T.Yamakawa and Y.Yamazaki	IEEE Transactions on Nuclear Science		4

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