

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	1397
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	983
Giant Rashba-Type Spin Splitting in Bulk BiTeI	K.Ishizaka, M.S.Bahramy, H.Murakawa, M.Sakano, T.Shimajima, T.Sonobe, K.Koizumi, S.Shin, H.Miyahara, A.Kimura, K.Miyamoto, T.Okuda, H.Namatame, M.Taniguchi, R.Arita, N.Nagaosa, K.Kobayashi, Y.Murakami, R.Kumai, Y.Kaneko, Y.Onose and Y.Tokura	Nature Materials	8A	589
Water-Oxidation Catalysis by Manganese in a Geochemical-Like Cycle	R.K.Hocking, R.Brimblecombe, L.-Y.Chang, A.Singh, M.H.Cheah, C.Glover, W.H.Casey and L.Spiccia	Nature Chemistry	20B	429
14-3-3 Proteins Act as Intracellular Receptors for Rice Hd3a Florigen	K.Taoka, I.Ohki, H.Tsuji, K.Furuita, K.Hayashi, T.Yanase, M.Yamaguchi, C.Nakashima, Y.A.Purwestri, S.Tamaki, Y.Ogaki, C.Shimada, A.Nakagawa, C.Kojima and K.Shimamoto	Nature	5A, NW12A	403
Itokawa Dust Particles: A Direct Link between S-Type Asteroids and Ordinary Chondrites	T.Nakamura, T.Noguchi, M.Tanaka, M.E.Zolensky, M.Kimura, A.Tsuchiyama, A.Nakato, T.Ogami, H.Ishida, M.Uesugi, T.Yada, K.Shirai, A.Fujimura, R.Okazaki, S.A.Sandford, Y.Ishibashi, M.Abe, T.Okada, M.Ueno, T.Mukai, M.Yoshikawa and J.Kawaguchi	Science	3A	374
Patternable Solution-Crystallized Organic Transistors with High Charge Carrier Mobility	K.Nakayama, Y.Hirose, J.Soeda, M.Yoshizumi, T. Uemura, M.Uno, W.Li, M.J.Kang, M.Yamagishi, Y.Okada, E.Miyazaki, Y.Nakazawa, A.Nakao, K.Takimiya and J.Takeya	Advanced Materials	8B	319
Catalytic Performance and Characterization of Ni-Fe Catalysts for the Steam Reforming of Tar from Biomass Pyrolysis to Synthesis Gas	L.Wang, D.Li, M.Koike, S.Koso, Y.Nakagawa, Y.Xu and K.Tomishige	Applied Catalysis A	9C	261
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	256
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	226

※被引用数は 2022 年 6 月 Scopus 調べ

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	1492
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	586
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	526
Superconductivity in Alkali-Metal-Doped Picene	R.Mitsuhashi, Y.Suzuki, Y.Yamanari, H.Mitamura, T.Kambe, N.Ikeda, H.Okamoto, A.Fujiwara, M.Yamaji, N.Kawasaki, Y.Maniwa and Y.Kubozono	Nature	1B, 8B	402
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	290
Crystal Structure of the FTO Protein Reveals Basis for Its Substrate Specificity	Z.Han, T.Niu, J.Chang, X.Lei, M.Zhao, Q.Wang, W.Cheng, J.Wang, Y.Feng and J.Chai	Nature	NW12A	266
On the Origin of Visibility Contrast in X-Ray Talbot Interferometry	W.Yashiro, Y.Terui, K.Kawabata and A.Momose	Optics Express	14C1	265
Modification of Rh/SiO ₂ Catalyst for the Hydrogenolysis of Glycerol in Water	Y.Shinmi, S.Koso, T.Kubota, Y.Nakagawa and K.Tomishige	Applied Catalysis B	NW10A	246
Structural Insights into the YAP and TEAD Complex	Z.Li, B.Zhao, P.Wang, F.Chen, Z.Dong, H.Yang, K-L.Guan and Y.Xu	Genes & Development	17A	238
New Lithium Iron Pyrophosphate as 3.5 V Class Cathode Material for Lithium Ion Battery	S.Nishimura, M.Nakamura, R.Natsui and A.Yamada	Journal of the American Chemical Society	4B2	234

※被引用数は 2022 年 6 月 Scopus 調べ

2009 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
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	553
Specific Recognition of Linear Ubiquitin Chains by NEMO is Important for NF- κ B 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	540
Recent Developments in Ruthenium Anticancer Drugs	A.Levina, A.Mitra and P.A.Lay	Metallomics	20B	488
Size-Specific Catalytic Activity of Platinum Clusters Enhances Oxygen Reduction Reactions	K.Yamamoto, T.Imaoka, W.-J.Chun, O.Enoki, H.Katoh, M.Takenaga and A.Sonoi	Nature Chemistry	12C	438
X-Ray Absorption Analysis of Nitrogen Contribution to Oxygen Reduction Reaction in Carbon Alloy Cathode Catalysts for Polymer Electrolyte Fuel Cells	H.Niwa, K.Horiba, Y.Harada, M.Oshima, T.Ikeda, K.Terakura, J.Ozaki and S.Miyata	Journal of Power Sources	2C	432
Structural Basis of Abscisic Acid Signalling	K.Miyazono, T.Miyakawa, Y.Sawano, K.Kubota, H.-J.Kang, A.Asano, Y.Miyachi, M.Takahashi, Y.Zhi, Y.Fujita, T.Yoshida, K.Kodaira, K.Yamaguchi-Shinozaki and M.Tanokura	Nature	5A	393
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	371
Organic Field-Effect Transistors using Single Crystals	T.Hasegawa and J.Takeya	Science and Technology of Advanced Materials	8B	310
Fermi Surface Nesting Induced Strong Pairing in Iron-Based Superconductors	K.Terashima, Y.Sekiba, J.H.Bowen, K.Nakayama, T.Kawahara, T.Sato, P.Richard, Y.-M.Xu, L.J.Li, G.H.Cao, Z.-A.Xu, H.Ding and T.Takahashi	Proceedings of the National Academy of Sciences, USA	28A	305
The Structure of Atg4B-LC3 Complex Reveals the Mechanism of LC3 Processing and Delipidation during Autophagy	K.Satoo, N.N.Noda, H.Kumeta, Y.Fujioka, N.Mizushima, Y.Ohsumi and F.Inagaki	The EMBO Journal	NW12A	279

※被引用数は 2022 年 6 月 Scopus 調べ

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	870
Experimental Visualization of Lithium Diffusion in Li_xFePO_4	S.Nishimura, G.Kobayashi, K.Ohoyama, R.Kanno, M.Yashima and A.Yamada	Nature Materials	4B2	588
Recognition of Hemi-Methylated DNA by the SRA Protein UHRF1 by a Base-Flipping Mechanism	K.Arita, M.Ariyoshi, H.Tochio, Y.Nakamura and M.Shirakawa	Nature	5A	353
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	326
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	293
Epigenetic Control of rDNA Loci in Response to Intracellular Energy Status	A.Murayama, K.Ohmori, A.Fujimura, H.Minami, K.Yasuzawa-Tanaka, T.Kuroda, S.Oie, H.Daitoku, M.Okuwaki, K.Nagata, A.Fukamizu, K.Kimura, T.Shimizu and J.Yanagisawa	Cell	5A, 17A, NW12A	293
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	277
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	260
Structure of $\text{Li}_2\text{FeSiO}_4$	S.Nishimura, S.Hayase, R.Kanno, M.Yashima, N.Nakayama and A.Yamada	Journal of the American Chemical Society	4B2	243
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	234

※被引用数は 2022 年 6 月 Scopus 調べ

2007 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
LiNbO ₃ -Coated LiCoO ₂ 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	471
Novel Cross-Linking Concept of Polymer Network: Synthesis, Structure, and Properties of Slide-Ring Gels with Freely Movable Junctions	K.Ito	Polymer Journal	15A	293
Layer-by-Layer Assembly and Spontaneous Flocculation of Oppositely Charged Oxide and Hydroxide Nanosheets into Inorganic Sandwich Layered Materials	L.Li, R.Ma, Y.Ebina, K.Fukuda, K.Takada and T.Sasaki	Journal of the American Chemical Society	6C	266
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	229
Chemical and Structural Control of the Partitioning of Co, Ce, and Pb in Marine Ferromanganese Oxides	Y.Takahashi, A.Manceau, N.Geoffroy, M.A.Marcus and A.Usui	Geochimica et Cosmochimica Acta	12C	217
Crystal Structure of Measles Virus Hemagglutinin Provides Insight into Effective Vaccines	T.Hashiguchi, M.Kajikawa, N.Maita, M.Takeda, K.Kuroki, K.Sasaki, D.Kohda, Y.Yanagi and K.Maenaka	Proceedings of the National Academy of Sciences, USA	NW12A, 5A	191
Roles of Rh/Cr ₂ O ₃ (Core/Shell) Nanoparticles Photodeposited on Visible-Light-Responsive (Ga _{1-x} Zn _x)(N _{1-x} O _x) Solid Solutions in Photocatalytic Overall Water Splitting	K.Maeda, K.Teramura, D.Lu, N.Saito, Y.Inoue and K.Domen	Journal of Physical Chemistry C	12C	188
Topochemical Synthesis of Monometallic (Co ²⁺ -Co ³⁺) Layered Double Hydroxide and Its Exfoliation into Positively Charged Co(OH) ₂ Nanosheets	R.Ma, K.Takada, K.Fukuda, N.Iyi, Y.Bando and T.Sasaki	Angewandte Chemie-International Edition	6C, 12C	181
DyP, a Unique Dye-Decolorizing Peroxidase, Represents a Novel Heme Peroxidase Family: ASP ¹⁷¹ Replaces the Distal Histidine of Classical Peroxidases	Y.Sugano, R.Muramatsu, A.Ichianagi, T.Sato and M.Shoda	Journal of Biological Chemistry	5A, 6A, 18B	158
Orbital Ordering and Magnetic Field Effect in MnV ₂ O ₄	T.Suzuki, M.Katsumura, K.Taniguchi, T.Arima and T.Katsufuji	Physical Review Letters	4C, 16A	151
Support Effect on Methane Combustion over Palladium Catalysts	N.Yoshida, T.Nakajima, Y.Yazawa and T.Hattori	Applied Catalysis B	10B	151

※被引用数は 2022 年 6 月 Scopus 調べ

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	712
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	544
Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples	M.E.Zolensky et al. (Nakamura T. 36th/75 authors)	Science	3A	534
High-Pressure Phases of CaCO ₃ : Crystal Structure Prediction and Experiment	A.R.Oganov, C.W.Glass and S.Ono	Earth and Planetary Science Letters	13A	289
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	256
Fluorous Nanodroplets Structurally Confined in an Organopalladium Sphere	S.Sato, J.Iida, K.Suzuki, M.Kawano, T.Ozeki, and M.Fujita	Science	NW2A	243
Novel Expansion/Shrinkage Modulation of 2D Layered MOF Triggered by Clathrate Formation with CO ₂ 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	217
Structure of the Insulin Receptor Ectodomain Reveals a Folded-Over Conformation	N.M.McKern, M.C.Lawrence, V.A.Streltsov, M.Z.Lou, T.E.Adams, G.O.Lovrecz, T.C.Elleman, K.M.Richards, J.D.Bentley, P.A.Pilling, P.A.Hoyne, K.A.Cartledge, T.M.Pham, J.L.Lewis, S.E.Sankovich, V.Stoichevska, E.Da Silva, C.P.Robinson, M.J.Frenkel, L.G.Sparrow, R.T.Fernley, V.C.Epa and C.W.Ward	Nature	5A, 6A	215
Development of Ni Catalysts for Tar Removal by Steam Gasification of Biomass	T.Kimura, T.Miyazawa, J.Nishikawa, S.Kado, K.Okumura, T.Miyao, S.Naito, K.Kunimori and K.Tomishige	Applied Catalysis B	9C	197
Crystal Structure of the DsbB-DsbA Complex Reveals a Mechanism of Disulfide Bond Generation	K.Inaba, S.Murakami, M.Suzuki, A.Nakagawa, E.Yamashita, K.Okada and K.Ito	Cell	NW12A	193

※被引用数は 2022 年 6 月 Scopus 調べ

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	299
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	267
Ordered Water inside Carbon Nanotubes: Formation of Pentagonal to Actagonal 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	254
Modifying Carbon Particles with Polypyrrole for Adsorption of Cobalt Ions as Electrocatatytic Site for Oxygen Reduction	M.Yuasa, A.Yamaguchi, H.Itsuki, K.Tanaka, M.Yamamoto and K.Oyaizu	Chemistry of Materials	12C	229
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	216
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	208
Guest-Dependent Negative Thermal Expansion in Nanoporous Prussian Blue Analogues $M^I Pt^IV(CN)_6 \cdot x\{H_2O\}$ ($0 \leq x \leq$ 2 ; $M = Zn, Cd$)	A.L.Goodwin, K.W.Chapman and C.J.Keper	Journal of the American Chemical Society	20B	193
Fingerprinting the Water Site in Mantle Olivine	A.J.Berry, J.Hermann, H.S.C.O'Neill and G.J. Foran	Geology	20B	184
Crystal Structure of Thymine DNA Glycosylase Conjugated to SUMO-1	D.Baba, N.Maita, J.G.Jee, Y.Uchimura, H.Saitoh, K.Sugasawa, F.Hanaoka, H.Tochio, H.Hiroaki and M.Shirakawa	Nature	6A	183
Conformational Change in the Catalytic Site of the Ribonuclease YoeB Toxin by YefM Antitoxin	K.Kamada and F.Hanaoka	Molecular Cell	5A	172

※被引用数は 2022 年 6 月 Scopus 調べ

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	1326
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	1120
Arsenic Behavior in Paddy Fields during the Cycle of Flooded and Non-Flooded Periods	Y.Takahashi, R.Minamikawa, K.H.Hattori, K.Kurishima, N.Kihou and K.Yuita	Environmental Science & Technology	12C	407
Structural Basis for Allosteric Regulation of the Monomeric Allosteric Enzyme Human Glucokinase	K.Kamata, M.Mitsuya, T.Nishimura, J.Eiki and Y.Nagata	Structure	6B	383
Finite, Spherical Coordination Networks that Self-Organize from 36 Small Components	M.Tominaga, K.Suzuki, M.Kawano, T.Kusukawa, T.Ozeki, S.Sakamoto, K.Yamaguchi and M.Fujita	Angewandte Chemie-International Edition	NW2A	343
Colloidal Gold Nanoparticles as Catalyst for Carbon-Carbon Bond Formation: Application to Aerobic Homocoupling of Phenylboronic Acid in Water	H.Tsunoyama, H.Sakurai, N.Ichikuni, Y.Negishi and T.Tsukuda	Langmuir	10B	336
Water Transport into the Deep Mantle and Formation of a Hydrous Transition Zone	E.Ohtani, K.D.Litasov, T.Hosoya, T.Kubo and T.Kondo	Physics of the Earth and Planetary Interiors	14C	307
Structural Basis for Ca ²⁺ -Induced Activation of Human PAD4	K.Arita, H.Hashimoto, T.Shimizu, K.Nakashima, M.Yamada and M.Sato	Nature Structural & Molecular Biology	NW12A	275
Regulation through the Secondary Channel-Structural Framework for ppGpp-DksA Synergism during Transcription	A.Perederina, V.Svetlov, M.N.Vassilyeva, T.H.Tahirov, S.Yokoyama, I.Artsimovitch and D.G.Vassilyev	Cell	NW12A	274
Structural and Magnetoelectric Properties of Ga _{2-x} Fe _x O ₃ Single Crystals Grown by a Floating-Zone Method	T.Arima, D.Higashiyama, Y.Kaneko, J.P.He, T.Goto, S.Miyasaka, T.Kimura, K.Oikawa, T.Kamiyama, R.Kumai and Y.Tokura	Physical Review B	1A	222

※被引用数は 2022 年 6 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	3808
Highly Efficient Water Splitting into H ₂ and O ₂ over Lanthanum-Doped NaTaO ₃ Photocatalysts with High Crystallinity and Surface Nanostructure	H.Kato, K.Asakura and A.Kudo	Journal of the American Chemical Society	9A	1465
Distorted Perovskite with e _g ¹ Configuration as a Frustrated Spin System	T.Kimura, S.Ishihara, H.Shintani, T.Arima, K.T.Takahashi, K.Ishizuka and Y.Tokura	Physical Review B	4C	492
Direct Observation of Tomonaga-Luttinger-Liquid State in Carbon Nanotubes at Low Temperatures	H.Ishii, H.Kataura, H.Shiozawa, H.Yoshioka, H.Otsubo, Y.Takayama, T.Miyahara, S.Suzuki, Y.Achiba, M.Nakatake, T.Narimura, M.Higashiguchi, K.Shimada, H.Namatame and M.Taniguchi	Nature	11D	425
Ordered Double Perovskites - a Group - Theoretical Analysis	C.J.Howard, B.J.Kennedy and P.M.Woodward	Acta Crystallographica Section B	20B	417
Ni/SiO ₂ Catalyst Effective for Methane Decomposition into Hydrogen and Carbon Nanofiber	S.Takenaka, S.Kobayashi, H.Ogihara and K.Otsuka	Journal of Catalysis	9A	285
Polarization-Modulated Smectic Liquid Crystal Phases	D.A.Coleman, J.Fernsler, N.Chattham, M.Nakata, Y.Takanishi, E.Korblova, D.R.Link, R.-F.Shao, W.G.Jang, J.E.Maclennan, O.Mondainn-Monval, C.Boyer, W.Weissflog, G.Pelzl, L.-C.Chien, J.Zasadzinski, J.Watanabe, D.M.Walba, H.Takezoe and N.A.Clark	Science	4A	273
XANES Calibrations for the Oxidation State of Iron in a Silicate Glass	A.J.Berry, H.S.O'Neill, K.D.Jayasuriya, S.J.Campbell and G.J.Foran	American Mineralogist	20B	231
Adsorption of Thiolates to Singly Coordinated Sites on Au(111) Evidenced by Photoelectron Diffraction	H.Kondoh, M.Iwasaki, T.Shimada, K.Amemiya, T.Yokoyama, T.Ohta, M.Shimomura and S.Kono	Physical Review Letters	7A	214
Adsorption Behavior of Arsenate at Transition Metal Cations Captured by Amino-Functionalized Mesoporous Silicas	H.Yoshitake, T.Yokoi and T. Tatsumi	Chemistry of Materials	10B	194

※被引用数は 2022 年 6 月 Scopus 調べ

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	479
The Structure of the Mammalian 20S Proteasome at 2.75 Å Resolution	M.Unno, T.Mizushima, Y.Morimoto, Y.Tomisugi, K.Tanaka, N.Yasuoka and T.Tsukihara	Structure	6A2, 6B	431
Effect of Phosphorus Content in Nickel Phosphide Catalysts Studied by XAFS and other Techniques	S.T.Oyama, X.Wang, Y.-K.Lee, K.Bando and F.G.Requejo	Journal of Catalysis	10B, 12C	329
Formation of Isomorphous Ir^{3+} and Ir^{4+} Octamers and Spin Dimerization in the Spinel CuIr_2S_4	P.G.Radaelli, Y.Horibe, M.J.Gutmann, H.Ishibashi, C.H.Chen, R.M.Ibberson, Y.Koyama, Y.S.Hor, V.Kiryukhin and S.-W.Cheong	Nature	3A	284
Characterization of Iron-Containing MCM-41 and its Catalytic Properties in Epoxidation of Alkene with Hydrogen Peroxide	Y.Wang, Q.Zhang, T.Shishido and K.Takehira,	Journal of Catalysis	7C	254
Preparation of Wormhole-like Mesoporous TiO_2 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	222
Phase Transition in Confined Water Inside Carbon Nanotubes	Y.Maniwa, H.Kataura, M.Abe, S.Suzuki, Y.Achiba, H.Kira and K.Matsuda	Journal of the Physical Society of Japan	1B	201
Crystal Structure of Microbial Transglutaminase from <i>Streptovorticillium mobaraense</i>	T.Kashiwagi, K.Yokoyama, K.Ishikawa, K.Ono, D.Ejima, H.Matsui and E.Suzuki	Journal of Biochemistry	6B	190
Electronic Structure of the Oxide-Diluted Magnetic Semiconductor $\text{Zn}_{1-x}\text{Mn}_x\text{O}$	T.Mizokawa, T.Nambu, A.Fujimori, T.Fukumura and M.Kawasaki	Physical Review B	18A	173
High-Density Adsorption of Cationic Porphyrins on Clay Layer Surfaces without Aggregation: The Size-Matching Effect	S.Takagi, T.Shimada, M.Eguchi, T.Yui, H.Yoshida, D.A.Tryk and H.Inoue	Langmuir	10C	166

※被引用数は 2022 年 6 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	2360
Resonant Inelastic X-Ray Scattering Spectra for Electrons in Solids	A.Kotani and S.Shin	Reviews of Modern Physics	19B, 2C	656
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	368
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	283
Photocatalytic Reactions of CO ₂ with H ₂ 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	271
Structure of the Electron Transfer Complex between Ferredoxin and Ferredoxin-NADP ⁺ Reductase	G.Kurusu, M.Kusunoki, E.Katoh, T.Yamazaki, K.Teshima, Y.Onda, Y.Kimata-Arigo and T.Hase	Nature Structural Biology	18B, 6A	267
Structure Dependence of Ferroelectric Properties of Bismuth Layer-Structured Ferroelectrics	H.Irie, M.Miyayama and T.Kudo	Journal of Applied Physics	4B2	253
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	234
Studies on the Genotoxicity of Chromium: from the Test Tube to the Cell	R.Codd, C.T.Dillon, A.Levina and P.A.Lay	Coordination Chemistry Reviews	20B	233
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	232

※被引用数は 2022 年 6 月 Scopus 調べ

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	309
Probing Bulk States of Correlated Electron Systems by High-Resolution Resonance Photoemission	A.Sekiyama, T.Iwasaki, K.Matsuda, Y.Saitoh, Y.Onuki and S.Suga	Nature	3B	254
Direct Observation of Antiferroquadrupolar Ordering: Resonant X-Ray Scattering Study of DyB ₂ C ₂	K.Hirota, N.Oumi, T.Matsumura, H.Nakao, Y.Wakabayashi, Y.Murakami and Y.Endoh	Physical Review Letters	4C, 16A2	165
Crystal Structure of NAD ⁺ -Dependent DNA Ligase: Modular Architecture and Functional Implications	J.Y.Lee, C.Chang, H.K.Song, J.Moon, J.K.Yang, H.K.Kim, S.T.Kwon and S.W.Suh	The EMBO Journal	6A, 6B	152
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	144
Crystal Structure of Rat Heme Oxygenase-1 in Complex with Heme	M.Sugishima, Y.Omata, Y.Kakuta, H.Sakamoto, M.Noguchi and K.Fukuyama	FEBS Letters	6A	137
Crystal Structure of a Repair Enzyme of Oxidatively Damaged DNA, MutM (Fpg), from an Extreme Thermophile, <i>Thermus thermophilus</i> HB8	M.Sugahara, T.Mikawa, T.Kumasaka, M.Yamamoto, R.Kato, K.Fukuyama, Y.Inoue and S.Kuramitsu	The EMBO Journal	6A, 6B, 18B	133
Direct Observation of Tetravalent Cerium in Ferromanganese Nodules and Crusts by X-Ray-Absorption Near-Edge Structure (XANES)	Y.Takahashi, H.Shimizu, A.Usui, H.Kagi and M.Nomura	Geochimica et Cosmochimica Acta	12C	131
Selective Dehydroaromatization of Methane toward Benzene on Re/HZSM-5 Catalysts and Effects of CO/CO ₂ Addition	L.Wang, R.Ohnishi and M.Ichikawa	Journal of Catalysis	10B	120
In Situ Determination of the Phase Boundary Between Wadsleyite and Ringwoodite in Mg ₂ SiO ₄	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	118

※被引用数は 2022 年 6 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	513
Effects of Pretreatment Conditions on CO Oxidation over Supported Au Catalysts	E.D.Park and J.S.Lee	Journal of Catalysis	10B	423
Crystal Structure of the RNA-Dependent RNA Polymerase of Hepatitis C Virus	H.Ago, T.Adachi, A.Yoshida, M.Yamamoto, N.Habuka, K.Yatsunami and M.Miyano	Structure	6B, 6A	385
Clustering of Fluorine-Substituted Alcohols as a Factor Responsible for their Marked Effects on Proteins and Peptides	D.-P.Hong, M.Hoshino, R.Kuboi and Y.Goto	Journal of the American Chemical Society	10C	350
Transition between Two Ferromagnetic States Driven by Orbital Ordering in $\text{La}_{0.88}\text{Sr}_{0.12}\text{MnO}_3$	Y.Endoh, K.Hirota, S.Ishihara, S.Okamoto, Y.Murakami, A.Nishizawa, T.Fukuda, H.Kimura, H.Nojiri, K.Kaneko and S.Maekawa	Physical Review Letters	4C, 16A2	280
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	273
A New Mode of B_{12} 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	213
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	191
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	173
The Crystal Structure of the DNase Domain of Colicin E7 in Complex with Its Inhibitor Im7 Protein	T.-P.Ko, C.-C.Liao, W.-Y.Ku, K.-F.Chak and H.S.Yuan	Structure	6A, 6B	166

※被引用数は 2022 年 6 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	954
Resonant X-ray Scattering from Orbital Ordering in LaMnO ₃	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	588
Direct Observation of Charge and Orbital Ordering in La _{0.5} Sr _{1.5} MnO ₄	Y.Murakami, H.Kawada, H.Kawata, M.Tanaka, T.Arima, Y.Moritomo and Y.Tokura	Physical Review Letters	4C, 16A2	537
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.Nyvt and Y.Suzuki	Physical Review Letters	NE1B, 28A	325
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	325
Enzyme Structure with Two Catalytic Sites for Double-Sieve Selection of Substrate	O.Nureki, D.G.Vassilyev, M.Tateno, A.Shimada, T.Nakama, S.Fukai, M.Konno, T.L.Hendrickson, P.Schimmel and S.Yokoyama	Science	6A2	312
Core-level Photoemission Study of Ga _{1-x} Mn _x As	J.Okabayashi, A.Kimura, O.Rader, T.Mizokawa and A.Fujimori	Physical Review B	18A	285
Do All Freshwater Eels Migrate?	K.Tsukamoto, I.Nakai and W.-V.Tesch	Nature	4A	275
Selective Formation of CH ₃ OH in the Photocatalytic Reduction of CO ₂ with H ₂ O on Titanium Oxides Highly Dispersed within Zeolites and Molecular Sieves	H.Yamashita, Y.Fujii, Y.Ichihashi, S.G.Zhang, K.Ikeue, D.R.Park, K.Koyano, T.Tatsumi and M.Anpo	Catalysis Today	7C	241
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	239

※被引用数は 2022 年 6 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	231
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	197
Three-dimensional Structure of Maize α -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	196
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	189
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	180
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	150
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	136
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	110
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	100

※被引用数は 2022 年 6 月 Scopus 調べ

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	1881
Phase-Contrast X-Ray Computed Tomography for Observing Biological Soft Tissues	A.Momose, T.Takeda, Y.Itai and K.Hirano	Nature Medicine	14B	725
Determination of the Local Lattice Distortions in the CuO ₂ Plane of La _{1.85} Sr _{0.15} CuO ₄	A.Bianconi, N.L.Saini, A.Lanzara, M.Messori, T.Rossetti, H.Oyanagi, H.Yamaguchi, K.Oka and T.Ito	Physical Review Letters	13B	608
The Crystal Structure of Hepatitis C Virus NS3 Proteinase Reveals a Trypsin-Like Fold and a Structural Zinc Binding Site	R.A.Love, H.E.Parge, J.A.Wickersham, Z.Hostomsky, N.Habuka, E.W.Moomaw, T.Adachi and Z.Hostomska	Cell	6B	495
Molecular Bottlebrushes	M.Wintermantel, M.Gerle, K.Fischer, M.Schmidt, I.Wataoka, H.Urakawa, K.Kajiwara and Y.Tsukahara	Macromolecules	10C	357
Structure of a Water Soluble Fragment of the 'Rieske' Iron-Sulfur Protein of the Bovine Heart Mitochondrial Cytochrome bc ₁ Complex Determined by MAD Phasing at 1.5 Å Resolution	S.Iwata, M.Saynovits, T.A.Link and H.Michel	Structure	18B, 6A	276
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	264
In-situ XAFS, Photoluminescence, and IR Investigations of Copper Ions Included within Various Kinds of Zeolites. Structure of Cu(I) Ions and Their Interaction with CO Molecules	H.Yamashita, M.Matsuoka, K.Tsuji, Y.Shioya, M.Anpo and M.Che	Journal of Physical Chemistry	10B	244
Crystal Structures of the Binary and Ternary Complexes of 7 α -Hydroxysteroid Dehydrogenase from <i>Escherichia coli</i>	N.Tanaka, T.Nonaka, T.Tanabe, T.Yoshimoto, D.Tsuru and Y.Mitsui	Biochemistry	6A2	213
Thermoelastic Properties of MgSiO ₃ 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	211

※被引用数は 2022 年 6 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	1958
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	1277
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	799
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	553
Confirmation by X-Ray Diffraction of the Endohedral Nature of the Metallofullerene Y@C ₈₂	M.Takata, B.Umeda, E.Nishibori, M.Sakata, Y.Saito, M.Ohno and H.Shinohara	Nature	6A2	450
Mechanism of Inhibition of HIV-1 Reverse Transcriptase by Non-Nucleoside Inhibitors	R.Esnouf, J.Ren, C.Ross, Y.Jones, D.Stammers and D.Stuart	Nature Structural Biology	6A2	444
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	405
Photocatalytic Reduction of CO ₂ with H ₂ O on Various Titanium Oxide Catalysts	M.Anpo, H.Yamashita, Y.Ichihashi and S.Ehara	Journal of Electroanalytical Chemistry	7C	386
Observation of Nuclear Resonant Scattering Accompanied by Photon Excitation Using Synchrotron Radiation	M.Seto, Y.Yoda, S.Kikuta, X.W.Zhang and M.Ando	Physical Review Letters	NE3	372
Crystal Structure of <i>Thermus aquaticus</i> DNA Polymerase	Y.Kim, S.H.Eom, J.Wang, D.S.Lee, S.W.Suh and T.A.Steitz	Nature	6A2	325

※被引用数は 2022 年 6 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 β -Galactosidase from <i>E.coli</i>	R.H.Jacobson, X-J.Zhang, R.F.DuBose and B.W.Matthews	Nature	6A2	545
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	386
Formation of Superabundant Vacancies in Pd Hydride under High Hydrogen Pressures	Y.Fukai and N.Okuma	Physical Review Letters	NE5C	332
The Crystal Structure of Pertussis Toxin	P.E.Stein, A.Boodhoo, G.D.Armstrong, S.A.Cockle, M.H.Klein and R.J.Read	Structure	6A2	267
Three-dimensional Structure of the 67K N-terminal Fragment of <i>E. coli</i> DNA Topoisomerase I	C.D.Lima, J.C.Wang and A.Mondragon	Nature	6A2	262
Atomic Structure of the RuvC Resolvase: A Holliday Junction-Specific Endonuclease from <i>E. Coli</i>	M.Ariyoshi, D.G.Vassilyev, H.Iwasaki, H.Nakamura, H.Shinagawa and K.Morikawa	Cell	6A2	260
Crystal Structure of the Holotoxin from <i>Shigella dysenteriae</i> at 2.5 Å Resolution	M.E.Fraser, M.M.Chernaia, Y.V.Kozlov and M.N.G.James	Nature Structural Biology	6A2	254
Picornaviral 3C Cysteine Proteinases Have a Fold Similar to Chymotrypsin-Like Serine Proteinases	M.Allaire, M.M.Chernaia, B.A.Malcolm and M.N.G.James	Nature	6A2	252
Structure of Phaseolin at 2.2 Å Resolution. Implications for a Common Vicilin/Legumin Structure and the Genetic Engineering of Seed Storage Proteins	M.C.Lawrence, T.Izard, M.Beuchat, R.J.Blagrove and P.M.Colman	Journal of Molecular Biology	6A2	224
The Phase Boundary Between α - and β -Mg ₂ SiO ₄ Determined by In Situ X-Ray Observation	H.Morishima, T.Kato, M.Suto, E.Ohtani, S.Urakawa, W.Utsumi, O.Shimomura and T.Kikegawa	Science	14C	211

※被引用数は 2022 年 6 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	841
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	241
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	229
Pressure-Induced Phase Transition in SiC	M.Yoshida, A.Onodera, M.Ueno, K.Takemura and O.Shimomura	Physical Review B	6B	174
Catalytic Activity and Structural Analysis of Polymer-Protected Au/Pd Bimetallic Clusters Prepared by the Successive Reduction of HAuCl ₄ and PdCl ₂	M.Harada, K.Asakura and N.Toshima	Journal of Physical Chemistry	10B	170
Refinement of the Si(111) $\sqrt{3} \times \sqrt{3}$ -Ag Structure by Surface X-Ray Diffraction	T.Takahashi and S.Nakatani	Surface Science	10C	143
Crystal Structure of <i>Escherichia coli</i> RNase HI in Complex with Mg ²⁺ at 2.8 Å Resolution: Proof for a Single Mg ²⁺ Binding Site	K.Katayanagi, M.Okumura and K.Morikawa	Proteins-Structure Function and Bioinformatics	6A2	139
Biexciton Lasing in CuCl Quantum Dots	Y.Masumoto, T.Kawamura and K.Era	Applied Physics Letters	15A	120
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	113
Synchrotron X-ray Study of the Electron Density in α -Al ₂ O ₃	E.N.Maslen, V.A.Streltsov, N.R.Streltsova, N.Ishizawa and Y.Satow	Acta Crystallographica Section B	14A	110

※被引用数は 2022 年 6 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	3381
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	399
Catalytic Activity and Structural Analysis of Polymer-Protected Au-Pd Bimetallic Clusters Prepared by the Simultaneous Reduction of HAuCl ₄ and PdCl ₂	N.Toshima, M.Harada, Y.Yamazaki and K.Asakura	Journal of Physical Chemistry	10B	357
Crystallization of Block Copolymers. 1. Small-Angle X-Ray Scattering Study of an ϵ -Caprolactone-Butadiene Diblock Copolymer	S.Nojima, K.Kato, S.Yamamoto and T.Ashida.	Macromolecules	10C	246
Evolution of the Spectral Function in Mott-Hubbara Systems with d ¹ Configuration	A.Fujimori, I.Hase, H.Namatame, Y.Fujishima, Y.Tokura, H.Eisaki, S.Uchida, K.Takegahara and F.M.F.de Groot	Physical Review Letters	11D	239
High-Pressure <i>in situ</i> X-Ray Diffraction Study of the Phase Transformation from Graphite to Hexagonal Diamond at Room Temperature	T.Yagi, W.Utsumi, M.Yamakata, T.Kikegawa and O.Shimomura	Physical Review B	NE5C	231
Structural Basis of Blue-Colour Development in Flower Petals from <i>Commelina communis</i>	T.Kondo, K.Yoshida, A.Nakagawa, T.Kawai, H.Tamura and T.Goto	Nature	6A2	203
Structural Details of Ribonuclease H from <i>Escherichia coli</i> as Refined to an Atomic Resolution	K.Katayanagi, M.Miyagawa, M.Matsushima, M.Ishikawa, S.Kanaya, H.Nakamura, M.Ikehara, T.Matsuzaki and K.Morikawa	Journal of Molecular Biology	6A2	195
Application of an Imaging Plate to High-Pressure X-Ray Study with a Diamond Anvil Cell	O.Shimomura, K.Takemura, H.Fujihisa, Y.Fujii, Y.Ohisi, T.Kikegawa, Y.Amemiya and T.Matsushita	Review of Scientific Instruments	6B	169
X-Ray Analyses of Peptide-Inhibitor Complexes Define the Structural Basis of Specificity for Human and Mouse Renins	V.Dhanaraj, C.G.Dealwis, C.Fraza, M.Badasso, B.L.Sibanda, I.K.Tickle, J.B.Cooper, H.P.C.Driessen, M.Newman, C.Aguilar, S.P.Wood, T.L.Blundell, P.M.Hobart, K.F.Geoghegan, M.J.Ammirati, D.E.Danley, B.A.O'Connor and D.J.Hoover	Nature	6A2	140

※被引用数は 2022 年 6 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	374
X-Ray Diffraction Data Collection System for Modern Protein Crystallography with a Weissenberg Camera and an ImagingPlate Using Sychrotron Radiation	N.Sakabe	Nuclear Instruments & Methods in Physics Research Section A	6A2	320
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	297
Universal Passivation Effect of (NH ₄) ₂ S _x Treatment on the Surface of III-V Compound Semiconductors	H.Oigawa, J.Fan, Y.Nannichi, H.Sugahara and M.Oshima	Japanese Journal of Applied Physics	1A	231
Crystal Structures at 2.2 Å Resolution of the Catalytic Domains of Normal <i>ras</i> Protein and an Oncogenic Mutant Complexed with GDP	L.Tong, A.M.deVos, M.V.Milburn and S.-H. Kim	Journal of Molecular Biology	6A2	216
Baddeleyite-Type High-Pressure Phase of TiO ₂	H.Sato, S.Endo, M.Sugiyama, T.Kikegawa, O.Shimomura and K.Kusaba	Science	NE5A2	178
Reaction of Nitric Oxide with Metal-Loaded Carbon in the Presence of Oxygen	H.Yamashita, H.Yamada and A.Tomita	Applied Catalysis	10B	138
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	127
Synchrotron Radiation Photoemission Analysis for (NH ₄) ₂ S _x Treated GaAs	H.Sugahara, M.Oshima, H.Oigawa, H.Shigekawa and Y.Nannichi	Journal of Applied Physics	1A	120
An X-ray Phase Plate Using Bragg-Case Diffraction	K.Hirano, K.Izumi, T.Ishikawa, S.Annaka and S.Kikuta	Japanese Journal of Applied Physics	15C	117

※被引用数は 2022 年 6 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	825
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	307
Polarized XANES Studies of Oriented Polyethylene and Fluorinated Polyethylenes	T.Ohta, K.Seki, T.Yokoyama, I.Morisada and K.Edamatsu	Physica Scripta	11A	106
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	98
Characterization of NaY-Entrapped $Rh_6(CO)_{16}$ Cluster by FTIR and EXAFS Spectroscopies and the Catalytic Behavior in ^{13}CO Isotopic Exchange Reaction	L-F.Rao, A.Fukuoka, N.Kosugi, H.Kuroda and M.Ichikawa	Journal of Physical Chemistry	10B	95
X-Ray Absorption Spectra of Poly-p-Phenylenes and Polyacenes: Localization of π^* Orbitals	T.Yokoyama, K.Seki, I.Morisada, K.Edamatsu and T.Ohta	Physica Scripta	11A	94
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	93
Cu K-Edge X-Ray Absorption Near-Edge Structure and Electronic Structure of $Nd_{2-x}Ce_xKCuO_{4-y}$ and $La_{2-x}Sr_xCuO_4$	N.Kosugi, Y.Tokura, H.Takagi and S.Uchida	Physical Review B	10B	89
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	82
An in situ X ray Diffraction Study of the Kinetics of the Ni_2SiO_4 Olivine-Spinel Transformation	D.C.Rubie	Journal of Geophysical Research	NE5A2	80

※被引用数は 2022 年 6 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	114
Evidence for Molecular Dissociation in Bromine near 80 GPa	Y.Fujii, K.Hase, Y.Ohishi, H.Fujihisa, M.Hamaya, K.Takemura, O.Shimomura, T.Kikegawa, Y.Amemiya and T.Matsushita	Physical Review Letters	6B	100
Measurements of X-ray Diffraction for Liquid Metals under High Pressure	K.Tsuji, K.Yaoita, M.Imai, O.Shimomura and T.Kikegawa	Review of Scientific Instruments	14C, NE5A2	98
Anharmonic Interatomic Potentials of Metals and Metal Bromides Determined by Exafs	Yamaoka, T., Satsukawa, T., Ohta, T.	Japanese Journal of Applied Physics	10B	95
Impurity-State-Like Nature of Fermi-Liquid States in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ Observed by Photoemission and X-Ray Absorption	H.Matsuyama, T.Takahashi, H.Katayama-Yoshida, T.Kashiwakura, Y.Okabe, S.Sato, N.Kosugi, A.Yagishita, K.Tanaka, H.Fujimoto and H.Inokuchi	Physica C	11A	94
Cu K-Edge XANES of $(\text{La}_{1-x}\text{Sr}_x)_2\text{CuO}_4$, $\text{YBa}_2\text{Cu}_3\text{O}_y$ and Related Oxides. Valence, Structure and Final-State Effects on $1s-4p\pi$ and $1s-4p\sigma$ Absorption	N.Kosugi, H.Kondoh, H.Tajima and H.Kuroda	Chemical Physics	10B	93
First Production of Intense Circularly Polarized Hard X Rays from a Novel Multipole Wiggler in an Accumulation Ring	S.Yamamoto, H.Kawata, H.Kitamura, M.Ando, N.Sakai and N.Shiotani	Physical Review Letters		85
Angular Distributions of Molecular Photofragment Emitted Following K-Shell Excitation of N_2	A.Yagishita, H.Maezawa, M.Ukai and E.Shigemasa	Physical Review Letters	2B	79
EXAFS and Neutron Diffraction Studies of Local and Average Structures for $\text{YBa}_2\text{Cu}_{2.8}\text{Zn}_{0.2}\text{O}_{7.8}$	H.Maeda, A.Koizumi, N.Bamba, E.Takayama-Muromachi, F.Izumi, H.Asano, K.Shimizu, H.Moriwaki, H.Maruyama, Y.Kuroda and H.Yamazaki	Physica C	7C	73
Binding of Both Ca^{2+} and Mastoparan to Calmodulin Induces a Large Change in the Tertiary Structure	N.Matsushima, Y.Izumi, T.Matsuo, H.Yoshino, T.Ueki and Y.Miyake	Journal of Biochemistry	10C	71

※被引用数は 2022 年 6 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	450
X-ray Absorption (EXAFS/XANES) Study of Supported Vanadium Oxide Catalysts	T.Tanaka, H.Yamashita, R.Tsuchitani, T.Funabiki and S.Yoshida	Journal of the Chemical Society, Faraday Transactions	7C, 10B	281
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	201
An Extended X-Ray Absorption Fine Structure Study of Aqueous Rare Earth Perchlorate Solutions in Liquid and Glassy States	T.Yamaguchi, M.Nomura, H.Wakita and H.Ohtaki	Journal of Chemical Physics	10B	183
Design and Performance of an Imaging Plate System for X-Ray Diffraction Study	Y.Amemiya, T.Matsushita, A.Nakagawa, Y.Satow, J.Miyahara and J.Chikawa	Nuclear Instruments & Methods in Physics Research Section A	15A	173
Studies on Si(111) $\sqrt{3} \times \sqrt{3}$ -Ag Surface Structure by X-ray Diffraction	T.Takahashi, S.Nakatani, N.Okamoto, T.Ishikawa and S.Kikuta	Japanese Journal of Applied Physics	10C	172
Bimetallic Cluster-Derived Heterogeneous Catalysts-Heteronuclear Two-Site Activation of CO in Syngas Conversion to Oxygenates	M.Ichikawa	Polyhedron	10B	67
Observation of Kondo Resonance in YbAl ₃	S.-J.Oh, S.Suga, A.Kakizaki, M.Taniguchi, T.Ishii, J.-S.Kang, J.W.Allen, O.Gunnarsson, N.Christensen, A.Fujimori, T.Suzuki, T.Kasuya, T.Miyahara, H.Kato, K.Schnhammer, M.S.Torikachvili and M.B.Maple	Physical Review B	11D	59
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	57
Photoion Spectra in Coincidence with Threshold Electrons near the Ar 2p Ionisation Limits	T.Hayaishi, E.Murakami, A.Yagishita, F.Koike, Y.Morioka and J.E.Hansen	Journal of Physics B	11A	52

※被引用数は 2022 年 6 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	137
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	100
Synchrotron-Radiation Photoemission Study of the High- T_c Superconductor $YBa_2Cu_3O_{7.8}$	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	93
Surface and Bulk Core-Level Shifts of the Si(111) $\sqrt{3} \times \sqrt{3}$ -Ag Surface: Evidence for a Charged $\sqrt{3} \times \sqrt{3}$ Layer	S.Kono, K.Higashiyama, T.Kinoshita, T.Miyahara, H.Kato, H.Ohsawa, Y.Enta, F.Maeda and Y.Yaegashi	Physical Review Letters	11D	84
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	72
Stability and Antiphase Domain Structure of the Pyrochlore Solid Solution in the ZrO_2 - Gd_2O_3 System	T.Uehara, K.Koto, F.Kanamaru and H.Horiuchi	Solid State Ionics	10C	68
Surface Structure Analysis of Si(111) $\sqrt{3} \times \sqrt{3}$ -Bi by X-Ray Diffraction --- Approach to the Solution of the Phase Problem	T.Takahashi, S.Nakatani, T.Ishikawa and S.Kikuta	Surface Science	10C	67
Generation of Quasi-Circularly Polarized Undulator Radiation with Higher Harmonics	S.Yamamoto and H.Kitamura	Japanese Journal of Applied Physics		56
Novel Approach for Structural Analysis by X-Ray Raman Scattering	K.Tohji and Y.Udagawa	Physical Review B	10C	55
Synchrotron Radiation-excited Chemical Vapor Deposition of $Si_xN_yH_z$ Film	H.Kyuragi and T.Urisu	Journal of Applied Physics	1C	50

※被引用数は 2022 年 6 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	348
Photocatalytic Decomposition of Water into H ₂ and O ₂ over NiO-SrTiO ₃ Powder. 1. Structure of the Catalyst	K.Domen, A.Kudo, T.Onishi, N.Kosugi and H.Kuroda	Journal of Physical Chemistry	10B	336
Search for Neutral Particles in Electron Beam-Dump Experiment	A.Konaka, K.Imai, H.Kobayashi, A.Masaike, K.Miyake, T.Nakamura, N.Nagamine, N.Sasao, A.Enomoto, Y.Fukushima, H.Kikutani, H.Koiso, H.Matsumoto, K.Nakahara, S.Ohsawa, S.Taniguchi, I.Sato and J.Urakawa	Physical Review Letters		95
Design and Performance of a UHV Compatible Soft X-ray Double Crystal Monochromator at the Photon Factory	T.Ohta, P.M.Stefan, M.Nomura and H.Sekiyama	Nuclear Instruments & Methods in Physics Research Section A	11B	93
Optical Spectra of Y ₂ O ₃ 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	84
The Isolated Se Chains in the Channels of Mordenite Crystal	K.Tamura, S.Hosokawa, H.Endo, S.Yamasaki and H.Oyanagi	Journal of the Physical Society of Japan	10B	81
Polarized XANES Spectra of CuCl ₂ -2H ₂ O. Further Evidence for Shake-down Phenomena	T.Yokoyama, N.Kosugi and H.Kuroda	Chemical Physics	10B	69
Sagittally 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	68
New SiO ₂ -Supported Niobium Monomer Catalysts for Dehydrogenation of Ethanol	M.Nishimura, K.Asakura and Y.Iwasawa	Journal of the Chemical Society, Chemical Communications	10B	57
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	56

※被引用数は 2022 年 6 月 Scopus 調べ

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	195
X-Ray Resonance Magnetic Scattering	K.Namikawa, M.Ando, T.Nakajima and H.Kawata	Journal of the Physical Society of Japan	15B	154
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	73
Dynamic Behaviour of Active Sites of a SiO ₂ -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 ₂ 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	52
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	47
Energy Dispersive X-Ray Fluorescence Analysis with Synchrotron Radiation	A.Iida, K.Sakurai, T.Matsushita and Y.Gohshi	Nuclear Instruments & Methods	4A	46
VUV-Optical Oscillator Strength Distributions of C ₃ H ₆ and C ₄ H ₈ Isomers	H.Koizumi, T.Yoshimi, K.Shinsaka, M. Ukai, M.Morita, Y.Hatano, A.Yagishita and K.Ito	Journal of Chemical Physics	12A	44
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	44
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

※被引用数は 2022 年 6 月 Scopus 調べ

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_4^{2-} Ion. Experimental and Theoretical Evidence for Shake-Down Phenomena.	N.Kosugi, T.Yokoyama, K.Asakura and H.Kuroda	Chemical Physics	10B	180
X-Ray Evidence for Deformation of CDW during the Sliding Motion in $\text{K}_{0.3}\text{MoO}_3$	T.Tamegai, K.Tsutsumi, S.Kagoshima, Y.Kanai, M.Tani, H.Tomozawa, M.Sato, K.Tsuji, J.Harada, M.Sakata and T.Nakajima	Solid State Communications	10C	47
Polarized X-Ray Absorption Spectra of Bromo-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
Structural Study of Copper(II) Sulfate Solution in Highly Concentrated Aqueous Ammonia by X-Ray Absorption Spectra	M.Sano, T.Maruo and H.Yamatera	Inorganic Chemistry	10B	25
Collapse of the f-symmetric Final-state Wavefunction in the 3d Excitation Spectra of Atomic Xe, Cs and Ba	B.Sonntag, T.Nagata, Y.Sato, Y.Satow, A.Yagishita and M.Yanagihara	Journal of Physics B	11A	23
Structures of the Catalysts Derived from Rh-Co Bimetallic Carbonyls Supported on $\gamma\text{-Al}_2\text{O}_3$: 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
High-Resolution Measurements of Angle-Resolved X-Ray Scattering from Optically Flat Mirrors	T.Matsushita, T.Ishikawa and K.Kohra	Journal of Applied Crystallography		17
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	17

※被引用数は 2022 年 6 月 Scopus 調べ

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 Radiation at the Photon Factory	Y.Amemiya, K.Wakabayashi, T.Hamanaka, T.Wakabayashi, T.Matsushita and H.Hashizume	Nuclear Instruments & Methods		184
Development of Microwave Undulator	T.Shintake, K.Huke, J.Tanaka, I.Sato and I.Kumabe	Japanese Journal of Applied Physics		44
Design Studies of Mirror-Grating Systems for Use with an Electron Storage Ring Source at the Photon Factory	T.Namioka, H.Noda, K.Goto and T.Katayama	Nuclear Instruments & Methods		27
Structure Analysis of the NiSi ₂ /(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	23
Present Status of the Photon Factory	K.Kohra and T.Sasaki	Nuclear Instruments & Methods		22
EXAFS Study of FeCl ₃ -doped Polyacetylene	H.Kuroda, I.Ikemoto, K.Asakura, H.Ishii, H.Shirakawa, T.Kobayashi, H.Oyanagi and T.Matsushita	Solid State Communications	10B	21
Differential Scattering in Collisions of K ⁺ 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		12
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

※被引用数は 2022 年 6 月 Scopus 調べ