

# Yoshiyuki Amemiya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8763478/publications.pdf>

Version: 2024-02-01

214  
papers

7,216  
citations

61857

43  
h-index

69108

77  
g-index

215  
all docs

215  
docs citations

215  
times ranked

4484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic structural response of nanoparticles in styrene-butadiene rubber under cyclic uniaxial elongation. <i>Polymer Journal</i> , 2019, 51, 161-171.	1.3	6
2	X-ray Hanbury Brown-Twiss interferometry for determination of ultrashort electron-bunch duration. <i>Physical Review Accelerators and Beams</i> , 2018, 21, .	0.6	27
3	A study of ADMET polyethylene with 21-carbon branches on every 15th compared to every 19th carbon: What a difference four extra backbone methylenes make. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3090-3096.	2.5	3
4	Volume Phase Transitions of Slide-Ring Gels. <i>Polymers</i> , 2016, 8, 217.	2.0	6
5	Some features of the Structure Rearrangement in Mixed and Binary Zr-Ti Sol-xerogels. <i>Physics Procedia</i> , 2016, 84, 307-314.	1.2	0
6	Distribution of sulfur in styrene-butadiene rubber studied with anomalous small-angle X-ray scattering at sulfur K-edge. <i>Polymer</i> , 2016, 105, 368-377.	1.8	7
7	Observation of femtosecond X-ray interactions with matter using an X-ray-X-ray pump-probe scheme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1492-1497.	3.3	80
8	Effect of finite spatial coherence length on small-angle scattering. <i>Journal of Applied Crystallography</i> , 2015, 48, 1660-1664.	1.9	4
9	Macroscopically homogeneous deformation in injection molded polypropylene induced by annealing studied with microbeam X-ray scattering. <i>Polymer</i> , 2015, 70, 315-325.	1.8	9
10	Microscopic deformation behavior of hard elastic polypropylene during cold-stretching process in fabrication of microporous membrane as revealed by synchrotron X-ray scattering. <i>Polymer</i> , 2015, 70, 215-221.	1.8	19
11	X-ray irradiation induces local rearrangement of silica particles in swollen rubber. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 119-123.	1.0	14
12	Dynamic photoinduced realignment processes in photoresponsive block copolymer films: effects of the chain length and block copolymer architecture. <i>Soft Matter</i> , 2015, 11, 5918-5925.	1.2	22
13	New Aspects for the Hierarchical Cooperative Motions in Photoalignment Process of Liquid Crystalline Block Copolymer Films. <i>Macromolecules</i> , 2015, 48, 2217-2223.	2.2	29
14	Photo-switching Behavior of Microphase Separated Structure in Liquid Crystalline Azobenzene Block Copolymers Possessing Different Poly(alkyl methacrylate) Blocks. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 5-13.	0.4	3
15	Characterizing transverse coherence of an ultra-intense focused X-ray free-electron laser by an extended Young's experiment. <i>IUCr</i> , 2015, 2, 620-626.	1.0	18
16	Micro Scale Distribution of Nanoparticles Studied with X-ray Near-Field Scattering. <i>Kobunshi Ronbunshu</i> , 2014, 71, 580-585.	0.2	0
17	Pinhole-type two-dimensional ultra-small-angle X-ray scattering on the micrometer scale. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 1-4.	1.0	15
18	Pathways toward Photoinduced Alignment Switching in Liquid Crystalline Block Copolymer Films. <i>Macromolecules</i> , 2014, 47, 7178-7186.	2.2	40

#	ARTICLE	IF	CITATIONS
19	Visualization of nanoscale deformation in polymer composites with zernike-type phase-contrast X-ray microscopy and the finite element method. <i>Polymer Journal</i> , 2013, 45, 64-69.	1.3	8
20	Directed Self-Assembly of Block Copolymers into Twin BCC-Sphere: Phase Transition Process from Aligned Hex-Cylinder to BCC-Sphere Induced by a Temperature Jump between the Two Equilibrium Phases. <i>Macromolecules</i> , 2013, 46, 2298-2316.	2.2	15
21	Influence of Branch Incorporation into the Lamella Crystal on the Crystallization Behavior of Polyethylene with Precisely Spaced Branches. <i>Macromolecules</i> , 2013, 46, 4438-4446.	2.2	33
22	Hydrophobic Molecules Infiltrating into the Poly(ethylene glycol) Domain of the Core/Shell Interface of a Polymeric Micelle: Evidence Obtained with Anomalous Small-Angle X-ray Scattering. <i>Journal of the American Chemical Society</i> , 2013, 135, 2574-2582.	6.6	56
23	Strain-Phase-Resolved Dynamic SAXS Studies of BCC-Spherical Domains in Block Copolymers under LAOS: Creation of Twinned BCC-Sphere and Their Dynamic Response. <i>Macromolecules</i> , 2013, 46, 1549-1562.	2.2	4
24	Combined measurement of X-ray photon correlation spectroscopy and diffracted X-ray tracking using pink beam X-rays. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 801-804.	1.0	16
25	Experimental station for multiscale surface structural analyses of soft-material films at SPring-8 via a GISWAX/GIXD/XR-integrated system. <i>Polymer Journal</i> , 2013, 45, 109-116.	1.3	51
26	Characterization of an x-ray diamond phase plate by a polarization analyzer using multiple diffraction. <i>Journal of Physics: Conference Series</i> , 2013, 425, 052030.	0.3	0
27	Structural Inhomogeneity of Injection Molding Studied with Microbeam X-Ray Diffraction. <i>Seikai-Kakou</i> , 2013, 25, 506-511.	0.0	0
28	Effect of shot noise on X-ray speckle visibility spectroscopy. <i>Optics Express</i> , 2012, 20, 26878.	1.7	40
29	Dependence of the swelling behavior of a pH-responsive PEG-modified nanogel on the cross-link density. <i>Polymer Journal</i> , 2012, 44, 240-244.	1.3	26
30	Anomalous Small-Angle X-ray Scattering Study of Structure of Polymer Micelles Having Bromines in Hydrophobic Core. <i>Macromolecules</i> , 2012, 45, 6150-6157.	2.2	27
31	Three-Dimensional Structural Analysis of Lipid and DNA Complex using Zernike Phase Contrast Transmission Electron Microscope Tomography. <i>Biophysical Journal</i> , 2012, 102, 650a.	0.2	0
32	Observation of microscopic dynamics of carbon black in rubber during the vulcanization process. <i>Soft Matter</i> , 2012, 8, 3457.	1.2	13
33	Effect of Structural Inhomogeneity on Mechanical Behavior of Injection Molded Polypropylene Investigated with Microbeam X-ray Scattering. <i>Macromolecules</i> , 2012, 45, 1398-1407.	2.2	43
34	Composition Dependence of the Micellar Architecture Made from Poly(ethylene Terephthalate) / Poly(ethylene glycol)- <i>block</i> -Polybutadiene. <i>Macromolecules</i> , 2012, 45, 8241-8250.	1.2	25
35	Cross Nucleation in Polyethylene with Precisely Spaced Ethyl Branches. <i>ACS Macro Letters</i> , 2012, 1, 772-775.	2.3	24
36	Synergy Effect on Morphology Switching: Real-Time Observation of Photo-Oriented Microphase Separation in a Block Copolymer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5884-5888.	7.2	66

#	ARTICLE	IF	CITATIONS
37	Characterization of Polymer Micelles by the Combination of SAXS and FFF-MALS. <i>Kobunshi Ronbunshu</i> , 2012, 69, 346-357.	0.2	4
38	Improvement of SAXS Measurement near the SulfurK-edge. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012014.	0.3	3
39	pH-Responsive Structural Change of PEGylated Amine-Bearing Nanogel Explored by Small Angle X-ray Scattering. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012018.	0.3	2
40	Observation of Filler Dynamics in Rubber with X-ray Photon Correlation Spectroscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 24, 012005.	0.3	5
41	Feasibility Study on Anomalous Small-Angle X-ray Scattering near SulphurK-edge. <i>Journal of Physics: Conference Series</i> , 2010, 247, 012006.	0.3	3
42	Crystallinity and Cooperative Motions of Cyclic Molecules in Partially Threaded Solid-State Polyrotaxanes. <i>Macromolecules</i> , 2010, 43, 4660-4666.	2.2	37
43	Deformation behavior of banded spherulite during drawing investigated by simultaneous microbeam SAXS-WAXS and POM measurement. <i>Polymer</i> , 2010, 51, 222-231.	1.8	18
44	Determination of lamellar twisting manner in a banded spherulite with scanning microbeam X-ray scattering. <i>Polymer</i> , 2010, 51, 1632-1638.	1.8	14
45	Indirectly illuminated X-ray area detector for X-ray photon correlation spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 737-742.	1.0	17
46	Microscopic Observation of Aging of Silica Particles in Unvulcanized Rubber. <i>Macromolecules</i> , 2010, 43, 9480-9487.	2.2	57
47	Atomic-Scale Structural Evolution upon Crystallite Nucleation and Growth in Amorphous $\text{Fe}_{78}\text{B}_{13}\text{Si}_9$ . <i>Japanese Journal of Applied Physics</i> , 2009, 48, 085505.	0.8	2
48	Structural changes of silica particles in elongated rubber by two-dimensional small-angle X-ray scattering and extended reverse Monte Carlo analysis. <i>Rheologica Acta</i> , 2008, 47, 537-541.	1.1	33
49	Microbeam X-ray Diffraction Analysis of Interfacial Heterogeneous Nucleation of <i>n</i> -Hexadecane inside Oil-in-Water Emulsion Droplets. <i>Crystal Growth and Design</i> , 2008, 8, 3123-3126.	1.4	41
50	Structural Analysis of Filler in Rubber Composite under Stretch with Time-Resolved Two-Dimensional Ultra-Small-Angle X-Ray Scattering. <i>Rubber Chemistry and Technology</i> , 2008, 81, 541-551.	0.6	24
51	X-ray Photon Correlation Spectroscopy of Filler in Rubber. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L300-L302.	0.8	12
52	Microscopic structural evolution during the liquid-liquid transition in triphenyl phosphite. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 152101.	0.7	19
53	Deformation Behavior of Isotactic Polypropylene Spherulite during Hot Drawing Investigated by Simultaneous Microbeam SAXS-WAXS and POM Measurement. <i>Macromolecules</i> , 2007, 40, 2036-2045.	2.2	78
54	Characterization of two-dimensional ultra-small-angle X-ray scattering apparatus for application to rubber filled with spherical silica under elongation. <i>Journal of Applied Crystallography</i> , 2007, 40, s397-s401.	1.9	50

#	ARTICLE	IF	CITATIONS
55	A 3 Å— 6 arrayed CCD X-ray detector for continuous rotation method in macromolecular crystallography. <i>Journal of Synchrotron Radiation</i> , 2007, 14, 144-150.	1.0	12
56	Application of Microbeam Small- and Wide-angle X-ray Scattering to Polymeric Material Characterization. <i>Polymer Journal</i> , 2007, 39, 1221-1237.	1.3	25
57	Small-Angle X-ray Scattering Study of the Pulley Effect of Slide-Ring Gels. <i>Macromolecules</i> , 2006, 39, 7386-7391.	2.2	98
58	Systematic Transitions of Tiling Patterns Formed by ABC Star-Shaped Terpolymers. <i>Macromolecules</i> , 2006, 39, 9402-9408.	2.2	96
59	Structural analysis of human hair single fibres by scanning microbeam SAXS. <i>Journal of Structural Biology</i> , 2006, 155, 438-444.	1.3	59
60	Development of Extended Reverse Monte Carlo Method for Analysis of 2D-USAXS Experimental Data. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	4
61	Archimedean Tiling Patterns of ABC Star-Shaped Terpolymers Studied by Microbeam Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2006, 39, 4869-4872.	2.2	74
62	Structural deformation behavior of isotactic polypropylene with different molecular characteristics during hot drawing process. <i>Polymer</i> , 2005, 46, 8846-8858.	1.8	46
63	Structural analysis of single wool fibre by scanning microbeam SAXS. <i>Journal of Applied Crystallography</i> , 2005, 38, 420-425.	1.9	19
64	Correction Method and Software for Image Distortion and Nonuniform Response in Charge-Coupled Device-Based X-ray Detectors Utilizing X-ray Image intensifier. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 8684-8691.	0.8	43
65	Observation of the Transient Rotator Phase of n-Hexadecane in Emulsified Droplets with Time-Resolved Two-Dimensional Small- and Wide-Angle X-Ray Scattering. <i>Physical Review Letters</i> , 2005, 94, 097801.	2.9	54
66	Influence of Nucleotide Effectors on the Kinetics of the Quaternary Structure Transition of Allosteric Aspartate Transcarbamylase. <i>Journal of Molecular Biology</i> , 2005, 348, 195-204.	2.0	11
67	Helical and Expanded Conformation of Equine $\hat{I}^2$ -Lactoglobulin in the Cold-denatured State. <i>Journal of Molecular Biology</i> , 2005, 350, 338-348.	2.0	24
68	An Electron-Beam Profile Monitor Using Fresnel Zone Plates. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	1
69	Penetration of PBSU spherulite into P(VDC-VC) spherulite observed with microbeam- and macrobeam-SAXS/WAXS measurements. <i>Polymer</i> , 2004, 45, 8593-8601.	1.8	12
70	Co-existing handednesses of lamella twisting in one spherulite observed with scanning microbeam wide-angle X-ray scattering. <i>Polymer</i> , 2004, 45, 8299-8302.	1.8	30
71	Denaturation and reassembly of chaperonin GroEL studied by solution X-ray scattering. <i>Protein Science</i> , 2003, 12, 672-680.	3.1	20
72	Measurement of an electron-beam size with a beam profile monitor using Fresnel zone plates. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 506, 41-49.	0.7	15

#	ARTICLE	IF	CITATIONS
73	Spatial distribution of lamella structure in PCL/PVB band spherulite investigated with microbeam small- and wide-angle X-ray scattering. <i>Polymer</i> , 2003, 44, 6397-6405.	1.8	42
74	Equilibrium and Kinetics of the Allosteric Transition of GroEL Studied by Solution X-ray Scattering and Fluorescence Spectroscopy. <i>Journal of Molecular Biology</i> , 2003, 327, 183-191.	2.0	28
75	Kinetic studies of unfolding process of aspergillopepsin II by pH-jump methods. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 745-750.	1.0	3
76	Development and application of aberration-compensating x-ray phase retarder systems. , 2003, 5195, 76.		0
77	Imaging based on hard x-ray magnetic linear dichroism by means of polarization switching. <i>Physical Review B</i> , 2002, 65, .	1.1	2
78	Grazing-incidence small-angle scattering measurement of Ge islands capped with a Si layer. <i>Applied Physics Letters</i> , 2002, 81, 2358-2360.	1.5	20
79	Fast Compaction of $\hat{\pm}$ -Lactalbumin During Folding Studied by Stopped-flow X-ray Scattering. <i>Journal of Molecular Biology</i> , 2002, 321, 121-132.	2.0	100
80	The Use of the Time-Resolved X-Ray Solution Scattering for Studies of Globular Proteins. <i>Spectroscopy</i> , 2002, 16, 127-138.	0.8	3
81	Development of microstructural anisotropy during aging with deformation of Al $\hat{\text{e}}$ Ag alloys. <i>Scripta Materialia</i> , 2002, 46, 795-799.	2.6	3
82	X-ray four-quadrant diamond phase-retarder system to compensate for off-axis and chromatic aberrations. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002, 58, 146-154.	0.3	32
83	Comparative study of the structure rearrangement in mixed and binary Zr $\hat{\text{e}}$ Ti sol $\hat{\text{e}}$ xerogels. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 470, 232-235.	0.7	1
84	X-ray double phase retarders to compensate for off-axis aberration. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 33-37.	1.0	34
85	X-ray magnetic circular dichroism imaging with hard X-rays. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 1021-1026.	1.0	5
86	$\hat{\text{e}}$ Devil $\hat{\text{e}}$ 's Staircase $\hat{\text{e}}$ Type Phase Transition in NaV $\hat{\text{2}}$ O $\hat{\text{5}}$ under High Pressure. <i>Physical Review Letters</i> , 2001, 87, 086402.	2.9	57
87	Time-resolved two-dimensional small-angle scattering of Guinier $\hat{\text{e}}$ Preston zones in Al $\hat{\text{e}}$ Ag alloys under weak shear. <i>Journal of Applied Crystallography</i> , 2000, 33, 461-464.	1.9	1
88	Demonstration of X-ray linear dichroism imaging with hard X-rays. <i>Journal of Synchrotron Radiation</i> , 2000, 7, 368-373.	1.0	27
89	Development of a high-resolution x-ray imaging system with a charge-coupled-device detector coupled with crystal x-ray magnifiers. <i>Review of Scientific Instruments</i> , 2000, 71, 4449.	0.6	12
90	Fluctuations of lamellar structure prior to lamellar $\hat{\text{e}}$ 'gyroid transition in a nonionic surfactant system. <i>Physical Review E</i> , 2000, 62, 6865-6874.	0.8	41

#	ARTICLE	IF	CITATIONS
91	Pressure and temperature effects on the phase transition from a dense droplet to a lamellar structure in a ternary microemulsion. <i>Journal of Chemical Physics</i> , 2000, 112, 10608-10614.	1.2	43
92	pH-Dependent Unfolding of Aspergillopepsin II Studied by Small-Angle X-ray Scattering. <i>Biochemistry</i> , 2000, 39, 1364-1372.	1.2	36
93	Time-Resolved SAXS Studies of a Sphere-Forming Block Copolymer under Large Oscillatory Shear Deformation. <i>Macromolecules</i> , 2000, 33, 9002-9014.	2.2	21
94	Tunable X-ray polarization reflector with perfect crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1999, 55, 955-962.	0.3	27
95	The overlap between the thin- and thick-filament reflections in the small-angle X-ray diffraction pattern from a molluscan smooth muscle. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 93-100.	1.0	3
96	Using hair to screen for breast cancer. <i>Nature</i> , 1999, 398, 33-34.	13.7	85
97	High-Resolution X-ray Diffraction of Muscle Using Undulator Radiation from the Tristan Main Ring at KEK. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 280-285.	1.0	3
98	Structure changes in the sol-gel systems of hydrated oxides. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 962-963.	1.0	4
99	Ti/Al multilayer zone plate and Bragg-Fresnel lens. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 794-796.	1.0	4
100	Object library for a new generation of experiment-controlling applications under the UNIX operating system. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 593-595.	1.0	1
101	Transmission-type X-ray linear polarizer with perfect crystals. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 738-740.	1.0	26
102	X-ray triple refraction and triple absorption in a cobalt-complex crystal. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 1055-1057.	1.0	1
103	X-ray linear birefringence and linear dichroism in a cobalt crystal measured with a tunable X-ray polarimeter. <i>Journal of Synchrotron Radiation</i> , 1998, 5, 995-997.	1.0	1
104	Molecular structural changes in human fetal tissue during the early stages of embryogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1379, 282-288.	1.1	9
105	The compactness of ribonuclease A and reduced ribonuclease A. <i>FEBS Letters</i> , 1998, 430, 275-277.	1.3	14
106	Kinetic refolding of $\beta$ -lactoglobulin. Studies by synchrotron X-ray scattering, and circular dichroism, absorption and fluorescence spectroscopy 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 275, 149-162.	2.0	114
107	Intermediate Filament Packing in $\beta$ -Keratin of Echidna Quill. <i>Textile Research Journal</i> , 1998, 68, 167-170.	1.1	13
108	Nature of an Endothermic Peak of As-Quenched Al-11.8 mol%Li Alloys. <i>Materials Transactions, JIM</i> , 1998, 39, 62-68.	0.9	9

#	ARTICLE	IF	CITATIONS
109	Study on Dielectric Anisotropies in Crystals by Using the Energy-Tunable X-Ray Polarimeter with a Phase Retarder.. Nihon Kessho Gakkaishi, 1998, 40, 341-354.	0.0	0
110	Shape Anisotropy of GP Zone in Early Decomposition Process of Al-Zn Binary Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1998, 62, 117-124.	0.2	1
111	Dynamic Investigation of the Solid-Solid Phase Transition of Normal-Alkane (Hexatriacontane) by Simultaneous Measurements with Differential Scanning Calorimetry, Small-Angle X-Ray Scattering and X-Ray Television Detector. Japanese Journal of Applied Physics, 1997, 36, 5616-5622.	0.8	6
112	[16] X-Ray storage-phosphor imaging-plate detectors: High-sensitivity X-ray area detector. Methods in Enzymology, 1997, 276, 233-243.	0.4	16
113	Synchrotron Radiation X-ray Diffraction Study of Liquid Crystal Formation and Polymorphic Crystallization of SOS (sn-1,3-Distearoyl-2-oleoyl Glycerol). Journal of Physical Chemistry B, 1997, 101, 6847-6854.	1.2	102
114	Thermodynamic and Kinetic Study on Phase Behavior of Binary Mixtures of POP and PPO Forming Molecular Compound Systems. Journal of Physical Chemistry B, 1997, 101, 3498-3505.	1.2	104
115	Unfolding of dimeric creatine kinase in urea and guanidine hydrochloride as measured using small angle X-ray scattering with synchrotron radiation. FEBS Letters, 1997, 415, 183-185.	1.3	34
116	In-situ and simultaneous synchrotron-radiation small-angle and 100 scattering experiments on the low-temperature structure in as-quenched Al-Li alloy during heating. Scripta Materialia, 1997, 37, 1739-1744.	2.6	8
117	Thermal and structural properties of sn-1,3-dipalmitoyl-2-oleoylglycerol and sn-1,3-dioleoyl-2-palmitoylglycerol binary mixtures examined with synchrotron radiation X-ray diffraction. JAOCS, Journal of the American Oil Chemists' Society, 1997, 74, 1213-1220.	0.8	90
118	Partial Reversion of Small GP Zones in an Al-Zn Binary Alloy. Journal of Applied Crystallography, 1997, 30, 592-596.	1.9	6
119	Simultaneous SAS and 100 Experiments on Phase Decomposition and Reversion in Al-Li Binary Alloys. Journal of Applied Crystallography, 1997, 30, 586-591.	1.9	8
120	Small-Angle X-ray Scattering Study of Supercritical Carbon Dioxide. The Journal of Physical Chemistry, 1996, 100, 418-421.	2.9	118
121	Protein Globularization During Folding. A Study by Synchrotron Small-angle X-ray Scattering. Journal of Molecular Biology, 1996, 262, 559-574.	2.0	170
122	Synchrotron radiation X-ray diffraction study on phase behavior of PPP-POP binary mixtures. JAOCS, Journal of the American Oil Chemists' Society, 1996, 73, 1567-1572.	0.8	81
123	Application of an imaging plate to dose distribution measurement of proton beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 627-628.	0.7	11
124	Dynamic Small-Angle X-ray Scattering System using an Imaging Plate. Journal of Synchrotron Radiation, 1996, 3, 225-230.	1.0	10
125	Small-Angle X-ray Diffraction of Muscle Using Undulator Radiation from the Tristan Main Ring at KEK. Journal of Synchrotron Radiation, 1996, 3, 305-312.	1.0	11
126	PH-induced structure change of poly(vinyl alcohol) hydrogel crosslinked with poly(acrylic acid). Angewandte Makromolekulare Chemie, 1996, 240, 213-219.	0.3	15



#	ARTICLE	IF	CITATIONS
127	Time-resolved SAXS technique for studying block copolymers under shear deformation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1996, 52, C484-C484.	0.3	0
128	Comparison of imaging-plate and CCD-based X-ray detectors for macromolecules. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1996, 52, C19-C20.	0.3	0
129	Imaging Plates for Use with Synchrotron Radiation. <i>Journal of Synchrotron Radiation</i> , 1995, 2, 13-21.	1.0	75
130	Simultaneous differential scanning calorimetry and time-resolved X-ray diffraction of lipid-water system. I. Relationship between chain melting and endothermic heat at the main transition of a dipalmitoylphosphatidylcholine-water system. <i>Chemistry and Physics of Lipids</i> , 1995, 76, 115-121.	1.5	31
131	Simultaneous X-ray diffraction and differential scanning calorimetry in the study of phase transitions. <i>Thermochimica Acta</i> , 1995, 253, 149-154.	1.2	23
132	Large-aperture TV detector with a beryllium-windowed image intensifier for x-ray diffraction. <i>Review of Scientific Instruments</i> , 1995, 66, 2290-2294.	0.6	122
133	Aerosol-OT Reversed Micellar Formation at Low Water-Surfactant Ratio Studied by Synchrotron Radiation Small-Angle X-ray Scattering. <i>The Journal of Physical Chemistry</i> , 1995, 99, 6652-6660.	2.9	76
134	Intermediate filament structure of $\alpha$ -keratin in baboon hair. <i>International Journal of Biological Macromolecules</i> , 1995, 17, 99-104.	3.6	20
135	The intermediate filament structure of human hair. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1245, 392-396.	1.1	32
136	Effect of stretch and release on equatorial X-ray diffraction during a twitch contraction of frog skeletal muscle. <i>Biophysical Journal</i> , 1995, 68, 227-234.	0.2	9
137	Electrically induced reversible structural change of a highly swollen polymer gel network. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 473.	1.7	25
138	Structure and reactivity of aerosol-OT reversed micelles containing $\alpha$ -chymotrypsin. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1081-1089.	1.7	43
139	A Real-Time Observation of X-ray Diffraction from Frog Skeletal Muscle during and after Slow Length Changes. <i>The Japanese Journal of Physiology</i> , 1995, 45, 583-606.	0.9	9
140	X-ray evidence for the elongation of thin and thick filaments during isometric contraction of a molluscan smooth muscle. <i>Journal of Muscle Research and Cell Motility</i> , 1994, 15, 659-671.	0.9	12
141	Anomalous X-ray scattering from aqueous 2-butoxyethanol at XBE = 0.06 near freezing. <i>Chemical Physics Letters</i> , 1994, 228, 53-56.	1.2	12
142	X-ray diffraction evidence for the extensibility of actin and myosin filaments during muscle contraction. <i>Biophysical Journal</i> , 1994, 67, 2422-2435.	0.2	449
143	X-ray Diffraction Study of the Live Squid Retina. <i>Journal of Molecular Biology</i> , 1994, 238, 139-144.	2.0	0
144	The kinetics of conformational changes of $\alpha$ 2-macroglobulin determined by time resolved X-ray solution scattering. <i>FEBS Letters</i> , 1994, 337, 171-174.	1.3	5

#	ARTICLE	IF	CITATIONS
145	Kinetics of the Quaternary Structure Change of Aspartate Transcarbamylase Triggered by Succinate, a Competitive Inhibitor. <i>Biochemistry</i> , 1994, 33, 10007-10012.	1.2	25
146	Two very long periodicities in collagen. <i>BBA - Proteins and Proteomics</i> , 1993, 1202, 305-308.	2.1	4
147	Synchrotron radiation small-angle x-ray scattering study on the deformation mechanisms of a toughened nylon-6/poly(phenylene ether) blend and high-impact polystyrene. <i>Macromolecules</i> , 1993, 26, 829-835.	2.2	27
148	Synchrotron-radiation small-angle scattering measurements of the reversion process of $\theta'$ precipitates in Al-8.1%Li binary alloy. <i>Acta Metallurgica Et Materialia</i> , 1993, 41, 1733-1738.	1.9	9
149	Size Distribution Analysis by a Scaling Method for Small-Angle Scattering Intensity. <i>Materials Transactions, JIM</i> , 1993, 34, 758-762.	0.9	2
150	Structure change of $\theta'$ precipitates during heating at a constant rate in Al-Li binary alloys. <i>European Physical Journal Special Topics</i> , 1993, 03, C8-321-C8-324.	0.2	0
151	Synchrotron Radiation Small-Angle X-ray Scattering Study on Reversion Process of Al-Li Binary Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 1993, 57, 1-6.	0.2	3
152	Small-angle synchrotron x-ray scattering reveals distinct shape changes of the myosin head during hydrolysis of ATP. <i>Science</i> , 1992, 258, 443-447.	6.0	140
153	Application of an imaging plate to high-pressure x-ray study with a diamond anvil cell (invited). <i>Review of Scientific Instruments</i> , 1992, 63, 967-973.	0.6	181
154	Synchrotron radiation small-angle scattering study of the reversion process of Al-8.1at%Li binary alloy. <i>Scripta Metallurgica Et Materialia</i> , 1992, 27, 1425-1428.	1.0	5
155	Effects of 2,3-butanedione monoxime on contraction of frog skeletal muscles: An X-ray diffraction study. <i>Journal of Muscle Research and Cell Motility</i> , 1992, 13, 153-160.	0.9	31
156	Crystallographic characterization by X-ray diffraction of the M intermediate from the photocycle of bacteriorhodopsin at room temperature. <i>FEBS Letters</i> , 1991, 292, 73-75.	1.3	89
157	Time-resolved synchrotron X-ray diffraction studies of a single frog skeletal muscle fiber. <i>Biophysical Chemistry</i> , 1991, 39, 287-297.	1.5	5
158	X-ray energy dependence and uniformity of an imaging plate detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1991, 310, 369-372.	0.7	35
159	Tunable x-ray polarimeters for synchrotron radiation sources. <i>Review of Scientific Instruments</i> , 1991, 62, 2540-2544.	0.6	46
160	Study on the Phase Separation Process of Poly(methyl methacrylate)/Poly(styrene-co-acrylonitrile) Blend by SR-SAXS. <i>Polymer Journal</i> , 1991, 23, 1291-1296.	1.3	7
161	X-Ray Diffraction and Flash Photolysis Studies of M Intermediate of Lattice-Contracted Purple Membrane. <i>Journal of Biochemistry</i> , 1990, 108, 938-946.	0.9	5
162	Dissociation of <i>Limulus polyphemus</i> (horseshoe crab) hemocyanin. <i>Biophysical Chemistry</i> , 1990, 38, 23-32.	1.5	6

#	ARTICLE	IF	CITATIONS
163	Two-Stage Embrittlement and Structural Changes by Tempering of Amorphous Fe-B-Si Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1990, 54, 362-371.	0.2	5
164	X-ray diffraction and electron microscopy from Lethocerus flight muscle partially relaxed by adenylylimidodiphosphate and ethylene glycol. Journal of Molecular Biology, 1990, 214, 129-141.	2.0	16
165	Imaging plate $\alpha$ - $\text{X}$ -ray area detector based on photostimulable phosphor. Synchrotron Radiation News, 1990, 3, 21-26.	0.2	46
166	Structural kinetics of the allosteric transition of aspartate transcarbamylase produced by physiological substrates. FEBS Letters, 1990, 263, 66-68.	1.3	22
167	Temperature dependence of the ripple structure in dimyristoylphosphatidylcholine studied by synchrotron X-ray small-angle diffraction. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1028, 103-109.	1.4	28
168	Dissociation and Auto-Oxidation of Hemerythrin Induced by SH-Modification: A Kinetic Study. Journal of Biochemistry, 1989, 105, 293-298.	0.9	4
169	High-resolution Compton profile spectrometer for 29.5 keV x rays with a combination of crystal analyzer and imaging plate. Review of Scientific Instruments, 1989, 60, 2402-2405.	0.6	11
170	Evidence for molecular dissociation in bromine near 80 GPa. Physical Review Letters, 1989, 63, 536-539.	2.9	97
171	$\text{X}$ -ray diffraction study under pressure using an imaging plate (abstract). Review of Scientific Instruments, 1989, 60, 2437-2437.	0.6	3
172	Photoacoustic detector for synchrotron radiation research. Review of Scientific Instruments, 1989, 60, 2318-2320.	0.6	8
173	Stopped-flow apparatus for x-ray scattering at subzero temperature. Review of Scientific Instruments, 1989, 60, 2356-2358.	0.6	33
174	Imaging plate for time-resolved x-ray measurements (invited). Review of Scientific Instruments, 1989, 60, 1552-1556.	0.6	51
175	Challenge to precise magnetic Compton profile measurements (invited). Review of Scientific Instruments, 1989, 60, 1666-1670.	0.6	12
176	Instrumentation for x-ray photoacoustic imaging and depth profiling. Review of Scientific Instruments, 1989, 60, 2468-2470.	0.6	4
177	Compton profiles of aluminium and silicon. Journal of Physics Condensed Matter, 1989, 1, SA27-SA31.	0.7	7
178	Rapid small-angle X-ray diffraction of a tonically contracting molluscan smooth muscle recorded with imaging plates. Journal of Applied Crystallography, 1989, 22, 72-74.	1.9	2
179	An X-ray spectrometer for Compton scattering experiments with synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 275, 447-452.	0.7	28
180	Kinetic study on the dimer-tetramer interconversion of phosphorylase b by a stopped-flow X-ray scattering method. Biophysical Chemistry, 1989, 33, 153-160.	1.5	7

#	ARTICLE	IF	CITATIONS
181	Two-stage temper embrittlement of amorphous Fe <sub>i</sub> -Bi-Si alloys and structural changes examined by SR-small angle X-ray scattering. Scripta Metallurgica, 1989, 23, 1963-1968.	1.2	6
182	Synchrotron Radiation Small-Angle Scattering Study on the Reversion Process of G.P. Zones below Miscibility Gap in Al&ndash;Zn Binary Alloys. Materials Transactions, JIM, 1989, 30, 886-894.	0.9	4
183	High-Resolution Compton Profile of Si Using 29.5 keV Synchrotron-Radiation X-Rays. Journal of the Physical Society of Japan, 1989, 58, 3270-3279.	0.7	14
184	Dynamical structure change during reversion above zone solvus in Al <sub>i</sub> -Zn binary alloys. Acta Metallurgica, 1988, 36, 899-906.	2.1	13
185	Design and performance of an imaging plate system for X-ray diffraction study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 266, 645-653.	0.7	162
186	Determination of structure and formation kinetics of early stage gp zones in an al-1.7 at.% Cu alloy by small-angle X-ray scattering of synchrotron radiation. Acta Metallurgica, 1988, 36, 1335-1341.	2.1	19
187	Imaging plate illuminates many fields. Nature, 1988, 336, 89-90.	13.7	540
188	Growth and coarsening of g. p. Zones in Al- Zn alloys. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1988, 19, 1973-1980.	1.4	18
189	Conformational analysis of broken rodlike chains. 2. Conformational analysis of poly(D-glutamic) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	16
190	Temperature dependence of the structure of aggregates of tobacco mosaic virus protein at pH 7.2. Journal of Molecular Biology, 1988, 204, 129-140.	2.0	22
191	Time-resolved X-ray diffraction studies on the effect of slow length changes on tetanized frog skeletal muscle.. Journal of Physiology, 1988, 407, 231-241.	1.3	25
192	Synchrotron Radiation Small-Angle X-ray Scattering Study on Reversion Process of G.P. Zones in Al-Zn Binary Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1988, 52, 375-382.	0.2	1
193	Laser-stimulated luminescence used to measure x-ray diffraction of a contracting striated muscle. Science, 1987, 237, 164-168.	6.0	117
194	X-Ray Photoacoustic Effect of Solid Materials. Chemistry Letters, 1987, 16, 973-976.	0.7	23
195	Early stage of phase decomposition in an Al-6.7 at% Zn alloy. Phase Transitions, 1987, 10, 277-288.	0.6	1
196	Microsegregated structure in the regenerated silk fibroin film from bombyx mori. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 2567-2571.	2.4	3
197	Kinetics of structure and activity changes during the allosteric transition of aspartate transcarbamylase. Journal of Molecular Biology, 1987, 198, 745-748.	2.0	13
198	Sinusoidal Length Change Study of Muscle Contraction and Self-Induced Translation Model of Myosin Motion. Springer Series in Biophysics, 1987, , 295-302.	0.4	1

#	ARTICLE	IF	CITATIONS
199	Time-resolved x-ray study of effect of sinusoidal length change on tetanized frog muscle. Biophysical Journal, 1986, 49, 581-584.	0.2	13
200	SATURATED AND UNSATURATED HYDRAULIC CONDUCTIVITY OF SWELLING CLAYS. Soil Science, 1986, 141, 1-6.	0.9	22
201	X-Ray Scattering Study on Hemoglobin Solution with Synchrotron Radiation : A Simple Analysis of Scattering Profile at Moderate Angles in Terms of Arrangement of Subunits. Journal of Biochemistry, 1986, 99, 1127-1136.	0.9	17
202	Time-resolved X-ray diffraction studies of frog skeletal muscle isometrically twitched by two successive stimuli using synchrotron radiation. Biophysical Chemistry, 1986, 25, 161-168.	1.5	9
203	A new type of X-ray area detector utilizing laser stimulated luminescence. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 246, 572-578.	0.7	306
204	A Dynamic Study of Crystallization of Poly( $\mu$ -caprolactone) and Poly( $\mu$ -caprolactone)/Poly(vinyl) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50 5	1.3	1
205	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. Biophysical Chemistry, 1985, 23, 115-124.	1.5	199
206	Dynamical structure change during reversion in Al $\bar{}$ -Zn binary alloy. Acta Metallurgica, 1985, 33, 2199-2203.	2.1	19
207	Time-resolved x-ray diffraction studies on the intensity changes of the 5.9 and 5.1 nm actin layer lines from frog skeletal muscle during an isometric tetanus using synchrotron radiation. Biophysical Journal, 1985, 47, 847-850.	0.2	44
208	Design of small-angle X-ray diffractometer using synchrotron radiation at the photon factory. Nuclear Instruments & Methods in Physics Research, 1983, 208, 471-477.	0.9	176
209	Time-resolved X-ray diffraction from frog skeletal muscle during shortening against an inertial load and a quick release.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1980, 56, 235-240.	1.6	4
210	A system for kinetic X-ray diffraction using a position sensitive counter. Nuclear Instruments & Methods, 1978, 152, 199-203.	1.2	11
211	Time-resolved X-ray diffraction from frog skeletal muscle during an isotonic twitch under a small load.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1978, 54, 559-564.	1.6	9
212	X-ray diffraction of active frog skeletal muscle before and after a slow stretch.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1977, 53, 178-182.	1.6	4
213	Techniques for Time-Resolved X-Ray Diffraction Using a Position Sensitive Counter. Japanese Journal of Applied Physics, 1976, 15, 2211-2219.	0.8	10
214	Electron-beam size measurement with a beam profile monitor using Fresnel zone plates. , 0, , .		0