Yuya Shinohara

List of Publications by Year
in descending order

80	1,875	236925 25	276875 41
papers	citations	h-index	g-index

83	83	83	1947
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	X-ray free-electron laser heating of water at picosecond time scale. Physical Review Research, 2022, 4, .	3.6	0
2	Small angle scattering of diblock copolymers profiled by machine learning. Journal of Chemical Physics, 2022, 156, 131101.	3.0	3
3	Ion Atmosphere of Wormlike Micelles Profiled by Contrast Variation Small-Angle Neutron Scattering. ACS Macro Letters, 2022, 11, 66-71.	4.8	0
4	Real-Space Local Dynamics of Molten Inorganic Salts Using Van Hove Correlation Function. Journal of Physical Chemistry Letters, 2022, 13, 5956-5962.	4.6	4
5	Resonant ultrasound spectroscopy probe for in-situ neutron scattering measurements. Proceedings of Meetings on Acoustics, 2021, , .	0.3	3
6	Investigating the Accuracy of Water Models through the Van Hove Correlation Function. Journal of Chemical Theory and Computation, 2021, 17, 5992-6005.	5.3	9
7	Determining population densities in bimodal micellar solutions using contrast-variation small angle neutron scattering. Journal of Chemical Physics, 2020, 153, 184902.	3.0	3
8	Correlated atomic dynamics in liquid seen in real space and time. Journal of Chemical Physics, 2020, 153, 180902.	3.0	9
9	Split-pulse X-ray photon correlation spectroscopy with seeded X-rays from X-ray laser to study atomic-level dynamics. Nature Communications, 2020, 11, 6213.	12.8	16
10	Local self-motion of water through the Van Hove function. Physical Review E, 2020, 102, 032604.	2.1	11
11	Dynamics of water in real space and time. Molecular Physics, 2019, 117, 3227-3231.	1.7	5
12	Determining Gyration Tensor of Orienting Macromolecules through Their Scattering Signature. Journal of Physical Chemistry Letters, 2019, 10, 3978-3984.	4.6	11
13	Identifying Waterâ€“Anion Correlated Motion in Aqueous Solutions through Van Hove Functions. Journal of Physical Chemistry Letters, 2019, 10, 7119-7125.	4.6	13
14	Orientational Distribution Function of Aligned Elongated Molecules and Particulates Determined from Their Scattering Signature. ACS Macro Letters, 2019, 8, 1257-1262.	4.8	9
15	Microscopic structural response of nanoparticles in styreneâ€“butadiene rubber under cyclic uniaxial elongation. Polymer Journal, 2019, 51, 161-171.	2.7	6
16	Local correlated motions in aqueous solution of sodium chloride. Physical Review Materials, 2019, 3, .	2.4	16
17	Viscosity and real-space molecular motion of water: Observation with inelastic x-ray scattering. Physical Review E, 2018, 98, 022604.	2.1	25
18	A study of ADMET polyethylene with 21â€carbon branches on every 15th compared to every 19th carbon: What a difference four extra backbone methylenes make. Journal of Polymer Science Part A, 2017, 55, 3090-3096.	2.3	3

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19	Study of Rubbery Materials with X-ray Photon Correlation Spectroscopy. Nippon Gomu Kyokaishi, 2017, 90, 190-194.	0.0	0
20	Volume Phase Transitions of Slide-Ring Gels. Polymers, 2016, 8, 217.	4.5	6
21	Distribution of sulfur in styrene-butadiene rubber studied with anomalous small-angle X-ray scattering at sulfur K-edge. Polymer, 2016, 105, 368-377.	3.8	7
22	Time-Resolved Small-Angle X-ray Scattering for Soft Matter. Nihon Kessho Gakkaishi, 2016, 58, 180-185.	0.0	0
23	Effect of finite spatial coherence length on small-angle scattering. Journal of Applied Crystallography, 2015, 48, 1660-1664.	4.5	4
24	Macroscopically homogeneous deformation in injection molded polypropylene induced by annealing studied with microbeam X-ray scattering. Polymer, 2015, 70, 315-325.	3.8	9
25	Microscopic deformation behavior of hard elastic polypropylene during cold-stretching process in fabrication of microporous membrane as revealed by synchrotron X-ray scattering. Polymer, 2015, 70, 215-221.	3.8	19
26	X-ray irradiation induces local rearrangement ofÂsilica particles in swollen rubber. Journal of Synchrotron Radiation, 2015, 22, 119-123.	2.4	14
27	Dynamic photoinduced realignment processes in photoresponsive block copolymer films: effects of the chain length and block copolymer architecture. Soft Matter, 2015, 11, 5918-5925.	2.7	22
28	New Aspects for the Hierarchical Cooperative Motions in Photoalignment Process of Liquid Crystalline Block Copolymer Films. Macromolecules, 2015, 48, 2217-2223.	4.8	29
29	Photo-switching Behavior of Microphase Separated Structure in Liquid Crystalline Azobenzene Block Copolymers Possessing Different Poly(alkyl methacrylate) Blocks. Molecular Crystals and Liquid Crystals, 2015, 617, 5-13.	0.9	3
30	Characterizing transverse coherence of an ultra-intense focused X-ray free-electron laser by an extended Young's experiment. IUCrJ, 2015, 2, 620-626.	2.2	18
31	Micro Scale Distribution of Nanoparticles Studied with X-ray Near-Field Scattering. Kobunshi Ronbunshu, 2014, 71, 580-585.	0.2	0
32	Photonic Block Copolymer Films Swollen with an Ionic Liquid. Macromolecules, 2014, 47, 4103-4109.	4.8	59
33	Pinhole-type two-dimensional ultra-small-angle X-ray scattering on the micrometer scale. Journal of Synchrotron Radiation, 2014, 21, 1-4.	2.4	15
34	Pathways toward Photoinduced Alignment Switching in Liquid Crystalline Block Copolymer Films. Macromolecules, 2014, 47, 7178-7186.	4.8	40
35	Visualization of nanoscale deformation in polymer composites with zernike-type phase-contrast X-ray microscopy and the finite element method. Polymer Journal, 2013, 45, 64-69.	2.7	8
36	Influence of Branch Incorporation into the Lamella Crystal on the Crystallization Behavior of Polyethylene with Precisely Spaced Branches. Macromolecules, 2013, 46, 4438-4446.	4.8	33

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37	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. Journal of the American Chemical Society, 2013, 135, 2574-2582.	13.7	56
38	Combined measurement of X-ray photon correlation spectroscopy and diffracted X-ray tracking using pink beam X-rays. Journal of Synchrotron Radiation, 2013, 20, 801-804.	2.4	16
39	Experimental station for multiscale surface structural analyses of soft-material films at SPring-8 via a GISWAX/GIXD/XR-integrated system. Polymer Journal, 2013, 45, 109-116.	2.7	51
40	Structural Inhomogeneity of Injection Molding Studied with Microbeam X-Ray Diffraction. Seikei-Kakou, 2013, 25, 506-511.	0.0	0
41	Effect of shot noise on X-ray speckle visibility spectroscopy. Optics Express, 2012, 20, 26878.	3.4	40
42	Dependence of the swelling behavior of a pH-responsive PEG-modified nanogel on the cross-link density. Polymer Journal, 2012, 44, 240-244.	2.7	26
43	Anomalous Small-Angle X-ray Scattering Study of Structure of Polymer Micelles Having Bromines in Hydrophobic Core. Macromolecules, 2012, 45, 6150-6157.	4.8	27
44	Three-Dimensional Structural Analysis of Lipid and DNA Complex using Zernike Phase Contrast Transmission Electron Microscope Tomography. Biophysical Journal, 2012, 102, 650a.	0.5	0
45	Observation of microscopic dynamics of carbon black in rubber during the vulcanization process. Soft Matter, 2012, 8, 3457.	2.7	13
46	Effect of Structural Inhomogeneity on Mechanical Behavior of Injection Molded Polypropylene Investigated with Microbeam X-ray Scattering. Macromolecules, 2012, 45, 1398-1407.	4.8	43
47	Composition Dependence of the Micellar Architecture Made from Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 T 2012, 116, 8241-8250.	2.6	25
48	Cross Nucleation in Polyethylene with Precisely Spaced Ethyl Branches. ACS Macro Letters, 2012, 1, 772-775.	4.8	24
49	Formation of a Multiscale Aggregate Structure through Spontaneous Blebbing of an Interface. Langmuir, 2012, 28, 3378-3384.	3.5	19
50	Synergy Effect on Morphology Switching: Realâ€Time Observation of Photoâ€Orientation of Microphase Separation in a Block Copolymer. Angewandte Chemie - International Edition, 2012, 51, 5884-5888.	13.8	66
51	Characterization of Polymer Micelles by the Combination of SAXS and FFF-MALS. Kobunshi Ronbunshu, 2012, 69, 346-357.	0.2	4
52	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. Polymer Journal, 2011, 43, 471-477.	2.7	112
53	Improvement of SAXS Measurement near the SulfurK-edge. Journal of Physics: Conference Series, 2011, 272, 012014.	0.4	3
54	Upgrade of the small angle X-ray scattering beamlines at the Photon Factory. Journal of Physics: Conference Series, 2011, 272, 012026.	0.4	36

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55	Anomalous Small-angle X-ray Scattering Study on Aggregation of a Block Copolymer in a Selective Solvent. Journal of Physics: Conference Series, 2011, 272, 012022.	0.4	4
56	pH-Responsive Structural Change of PEGylated Amine-Bearing Nanogel Explored by Small Angle X-ray Scattering. Journal of Physics: Conference Series, 2011, 272, 012018.	0.4	2
57	Observation of Filler Dynamics in Rubber with X-ray Photon Correlation Spectroscopy. IOP Conference Series: Materials Science and Engineering, 2011, 24, 012005.	0.6	5
58	Feasibility Study on Anomalous Small-Angle X-ray Scattering near SulphurK-edge. Journal of Physics: Conference Series, 2010, 247, 012006.	0.4	3
59	Crystallinity and Cooperative Motions of Cyclic Molecules in Partially Threaded Solid-State Polyrotaxanes. Macromolecules, 2010, 43, 4660-4666.	4.8	37
60	Deformation behavior of banded spherulite during drawing investigated by simultaneous microbeam SAXSâ€“WAXS and POM measurement. Polymer, 2010, 51, 222-231.	3.8	18
61	Determination of lamellar twisting manner in a banded spherulite with scanning microbeam X-ray scattering. Polymer, 2010, 51, 1632-1638.	3.8	14
62	Indirectly illuminated X-ray area detector for X-ray photon correlation spectroscopy. Journal of Synchrotron Radiation, 2010, 17, 737-742.	2.4	17
63	Microscopic Observation of Aging of Silica Particles in Unvulcanized Rubber. Macromolecules, 2010, 43, 9480-9487.	4.8	57
64	Changes in structure and geometric properties of human hair by aging. Journal of Cosmetic Science, 2009, 60, 637-48.	0.1	30
65	Structural changes of silica particles in elongated rubber by two-dimensional small-angle X-ray scattering and extended reverse Monte Carlo analysis. Rheologica Acta, 2008, 47, 537-541.	2.4	33
66	Microbeam X-ray Diffraction Analysis of Interfacial Heterogeneous Nucleation of n-Hexadecane inside Oil-in-Water Emulsion Droplets. Crystal Growth and Design, 2008, 8, 3123-3126.	3.0	41
67	Structural Analysis of Filler in Rubber Composite under Stretch with Time-Resolved Two-Dimensional Ultra-Small-Angle X-Ray Scattering. Rubber Chemistry and Technology, 2008, 81, 541-551.	1.2	24
68	Characterization of Polymers by Advanced Quantum Beam. Seikei-Kakou, 2008, 20, 419-422.	0.0	0
69	X-ray Photon Correlation Spectroscopy of Filler in Rubber. Japanese Journal of Applied Physics, 2007, 46, L300-L302.	1.5	12
70	Microscopic structural evolution during the liquidâ€“liquid transition in triphenyl phosphite. Journal of Physics Condensed Matter, 2007, 19, 152101.	1.8	19
71	Deformation Behavior of Isotactic Polypropylene Spherulite during Hot Drawing Investigated by Simultaneous Microbeam SAXS-WAXS and POM Measurement. Macromolecules, 2007, 40, 2036-2045.	4.8	78
72	Characterization of two-dimensional ultra-small-angle X-ray scattering apparatus for application to rubber filled with spherical silica under elongation. Journal of Applied Crystallography, 2007, 40, s397-s401.	4.5	50

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73	Application of Microbeam Small- and Wide-angle X-ray Scattering to Polymeric Material Characterization. Polymer Journal, 2007, 39, 1221-1237.	2.7	25
74	Small-Angle X-ray Scattering Study of the Pulley Effect of Slide-Ring Gels. Macromolecules, 2006, 39, 7386-7391.	4.8	98
75	Systematic Transitions of Tiling Patterns Formed by ABC Star-Shaped Terpolymers. Macromolecules, 2006, 39, 9402-9408.	4.8	96
76	Structural analysis of human hair single fibres by scanning microbeam SAXS. Journal of Structural Biology, 2006, 155, 438-444.	2.8	59
77	Development of Extended Reverse Monte Carlo Method for Analysis of 2D-USAXS Experimental Data. AIP Conference Proceedings, 2006, , .	0.4	4
78	Archimedean Tiling Patterns of ABC Star-Shaped Terpolymers Studied by Microbeam Small-Angle X-ray Scattering. Macromolecules, 2006, 39, 4869-4872.	4.8	74
79	Structural analysis of single wool fibre by scanning microbeam SAXS. Journal of Applied Crystallography, 2005, 38, 420-425.	4.5	19
80	Observation of the Transient Rotator Phase ofn-Hexadecane in Emulsified Droplets with Time-Resolved Two-Dimensional Small- and Wide-Angle X-Ray Scattering. Physical Review Letters, 2005, 94, 097801.	7.8	54