

A small/wide-angle X-ray scattering instrument for structural analysis of liquid interfaces, thin films and bulk specimens

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of Film Instability on Roughness Correlation and Nanodomain Ordering in Ultrathin Films of Asymmetric Block Copolymers. <i>Macromolecules</i> , 2010, 43, 5016-5023.	2.2	14
2	Formation and Thermally-Induced Disruption of Nanowhiskers in Poly(3-hexylthiophene)/Xylene Gel Studied by Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2010, 43, 7305-7311.	2.2	51
3	Probing Relief Terraces in Destabilized Thin Films of an Asymmetric Block Copolymer with Grazing-Incidence Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2010, 43, 7250-7260.	2.2	21
4	Kinetically controlled self-assembly of monolayered micelle films of P(S-b-4VP) on bare and PS-grafted substrates. <i>Soft Matter</i> , 2011, 7, 9140.	1.2	19
5	Microdomain control in block copolymer-based supramolecular thin films through varying the grafting density of additives. <i>Soft Matter</i> , 2011, 7, 5660.	1.2	16
6	New SmCG Phases in a Hydrogen-Bonded Bent-Core Liquid Crystal Featuring a Branched Siloxane Terminal Group. <i>Journal of the American Chemical Society</i> , 2011, 133, 15674-15685.	6.6	42
7	Orthogonal Crystal Orientation in Double-Crystalline Block Copolymer. <i>Macromolecules</i> , 2011, 44, 6875-6884.	2.2	23
8	Formation of Mesomorphic Domains and Subsequent Structural Evolution during Cold Crystallization of Poly(trimethylene terephthalate). <i>Macromolecules</i> , 2011, 44, 1140-1148.	2.2	42
9	Critical Analysis of the Crystal Orientation Behavior in Polyethylene-Based Crystalline/Amorphous Diblock Copolymer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2494-2502.	1.2	24
10	Enhancing Transversal Relaxation for Magnetite Nanoparticles in MR Imaging Using Gd <sup>3+</sup> -Chelated Mesoporous Silica Shells. <i>ACS Nano</i> , 2011, 5, 3905-3916.	7.3	71
11	Competition between Fullerene Aggregation and Poly(3-hexylthiophene) Crystallization upon Annealing of Bulk Heterojunction Solar Cells. <i>ACS Nano</i> , 2011, 5, 6233-6243.	7.3	203
12	Surface and interface porosity of polymer/fullerene-derivative thin films revealed by contrast variation of neutron and X-ray reflectivity. <i>Soft Matter</i> , 2011, 7, 9276.	1.2	30
13	Self-assembled structures in rod-coil block copolymers with hydrogen-bonded amphiphiles. <i>Soft Matter</i> , 2011, 7, 4198.	1.2	23
14	Carboxylic Acid-Directed Clustering and Dispersion of ZrO <sub>2</sub> Nanoparticles in Organic Solvents: A Study by Small-Angle X-ray/Neutron Scattering and NMR. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11941-11950.	1.5	20
16	In Situ Monitoring of the Formation of Crystalline Solids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2014-2034.	7.2	223
17	Film instability induced evolution of hierarchical structures in annealed ultrathin films of an asymmetric block copolymer on polar substrates. <i>Polymer</i> , 2011, 52, 1180-1190.	1.8	14
18	Phase behaviour and Janus hierarchical supramolecular structures based on asymmetric tapered bisamide. <i>Soft Matter</i> , 2012, 8, 4767.	1.2	18
19	Successive order-order transitions of the hierarchical morphology of a dendron-jacketed block copolymer via subsequent stretching alignment and self-assembly. <i>Soft Matter</i> , 2012, 8, 11163.	1.2	3

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20	Formation Process of Mesoporous PtRu Nanoparticles Electrodeposited on a Microemulsion Lyotropic Liquid Crystalline Template As Revealed by <i>in Situ</i> XRD, SAXS, and XANES. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26649-26655.	1.5	15
21	Crystallization of Isotactic Polypropylene under the Spatial Confinement Templated by Block Copolymer Microdomains. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12357-12371.	1.2	28
22	Supramolecular Organization in Self-Assembly of Chromatin and Cationic Lipid Bilayers is Controlled by Membrane Charge Density. <i>Biomacromolecules</i> , 2012, 13, 4146-4157.	2.6	7
23	Effects of Annealing Solvents on the Morphology of Block Copolymer-Based Supramolecular Thin Films. <i>Macromolecules</i> , 2012, 45, 1562-1569.	2.2	83
24	Interactive Crystallization Kinetics in Double-Crystalline Block Copolymer. <i>Macromolecules</i> , 2012, 45, 5114-5127.	2.2	33
25	Structure and internal organization of overcharged cationic-lipid/peptide/DNA self-assembly complexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1794-1800.	1.4	14
26	Brill transition of nylon-6 in electrospun nanofibers. <i>Colloid and Polymer Science</i> , 2012, 290, 1799-1809.	1.0	25
27	Effects of mesomorphic $\beta$ nanograins on crystallization and photoexcited emission of poly(9,9-di-n-hexyl-2,7-fluorene). <i>Polymer</i> , 2012, 53, 3928-3936.	1.8	6
28	Surface relief terraces and self-assembled nanostructures in thin block copolymer films with solvent annealing. <i>Polymer</i> , 2012, 53, 4827-4833.	1.8	5
29	Electrospun isotactic polystyrene nanofibers as a novel $\beta$ -nucleating agent for isotactic polypropylene. <i>Polymer</i> , 2012, 53, 5404-5412.	1.8	17
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31	Solution-Electrospun Poly(ethylene terephthalate) Fibers: Processing and Characterization. <i>Macromolecules</i> , 2012, 45, 7939-7947.	2.2	32
32	Diketopyrrolopyrrole- $\beta$ -Thiophene-Based Acceptor-Donor-Acceptor Conjugated Materials for High-Performance Field-Effect Transistors. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2813-2821.	1.7	34
33	Highly air stable branched octithiophene oligomer for organic field effect transistor and pH sensor applications. <i>Materials Chemistry and Physics</i> , 2013, 138, 542-552.	2.0	11
34	Formation of mesomorphic domains associated with dimer aggregates of phenyl rings in cold crystallization of poly(trimethylene terephthalate). <i>Polymer</i> , 2013, 54, 6242-6252.	1.8	12
35	Interplay of formation kinetics for highly oriented and mesostructured silicate-surfactant films at the air-water interface. <i>RSC Advances</i> , 2013, 3, 3270.	1.7	12
36	Packing DNA with disc-shaped bicelles. <i>Soft Matter</i> , 2013, 9, 11542.	1.2	26
37	Molecular Interactions between Lecithin and Bile Salts/Acids in Oils and Their Effects on Reverse Micellization. <i>Langmuir</i> , 2013, 29, 3879-3888.	1.6	29

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41	Using an in-vacuum CCD detector for simultaneous small- and wide-angle scattering at beamline X9. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 211-218.	1.0	34
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43	Structure evolution of electrospun nanofibers probed by in-situ synchrotron X-ray scattering. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	0
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46	Probing conformational transitions of polymer chains by microrheology. <i>Polymer</i> , 2014, 55, 3168-3177.	1.8	7
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56	Effect of processing additive 1,8-octanedithiol on the lifetime of PCPDTBT based Organic Photovoltaics. <i>Organic Electronics</i> , 2014, 15, 2433-2438.	1.4	27
57	Mesostructured Arrays of Nanometer-spaced Gold Nanoparticles for Ultrahigh Number Density of SERS Hot Spots. <i>Advanced Functional Materials</i> , 2014, 24, 2544-2552.	7.8	50
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61	Phase transition of poly(ethylene terephthalate) in nanofibers electrospun from phenol-based solution. <i>European Polymer Journal</i> , 2014, 52, 127-136.	2.6	9
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70	Core-shell nanocrystallite growth via heterogeneous interface manipulation. <i>CrystEngComm</i> , 2015, 17, 8623-8631.	1.3	4
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75	The Influence of Ionic Environment and Histone Tails on Columnar Order of Nucleosome Core Particles. <i>Biophysical Journal</i> , 2016, 110, 1720-1731.	0.2	27
76	Mechanism of Hierarchical Structure Formation of Polymer/Nanoparticle Hybrids. <i>Macromolecules</i> , 2016, 49, 7535-7550.	2.2	14
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78	New Insights into the Correlation between Morphology, Excited State Dynamics, and Device Performance of Small Molecule Organic Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600961.	10.2	34
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93	Tracing the Surfactant-Mediated Nucleation, Growth, and Superpacking of Gold Supercrystals Using Time and Spatially Resolved X-ray Scattering. <i>Langmuir</i> , 2017, 33, 3253-3261.	1.6	15
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103	Fused-Ring Electron Acceptor ITIC-Th: A Novel Stabilizer for Halide Perovskite Precursor Solution. <i>Advanced Energy Materials</i> , 2018, 8, 1703399.	10.2	112
104	Fabrication of Bimetallic Au-Pd-Au Nanobricks as an Archetype of Robust Nanoplasmonic Sensors. <i>Chemistry of Materials</i> , 2018, 30, 204-213.	3.2	17
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106	Interplay of entropy and enthalpy in peptide binding to zwitterionic phospholipid membranes as revealed from membrane thinning. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26830-26836.	1.3	5
107	Small-Angle X-ray Scattering Studies on the Structure of Disc-Shaped Bicelles Incorporated with Neutral PEGylated Lipids. <i>Langmuir</i> , 2019, 35, 9483-9492.	1.6	10
108	Unveiling the Nanoparticle-Seeded Catalytic Nucleation Kinetics of Perovskite Solar Cells by Time-Resolved GIXS. <i>Advanced Functional Materials</i> , 2019, 29, 1902582.	7.8	27
109	Effects of the Density of Chemical Cross-links and Physical Entanglements of Ultraviolet-Irradiated Polystyrene Chains on Domain Orientation and Spatial Order of Polystyrene-block-Poly(methyl) Tj ETQq1 1 0.784314rgBT /Overlock 10		

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111	Partially sulfonated styrene-(ethylene-butylene)-styrene copolymers: Nanostructures, bio and electro-active properties. <i>Materials Chemistry and Physics</i> , 2019, 225, 399-405.	2.0	3
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115	Improving immunogenicity of influenza virus H7N9 recombinant hemagglutinin for vaccine development. <i>Vaccine</i> , 2019, 37, 1897-1903.	1.7	5
116	Advanced small- and wide-angle x-ray scattering beamline for frontier research in biological structures at the Taiwan photon source. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
117	Insights into dynamic molecular intercalation mechanism for Al C battery by operando synchrotron X-ray techniques. <i>Carbon</i> , 2019, 146, 528-534.	5.4	42
118	Tunable Phospholipid Nanopatterns Mediated by Cholesterol with Sub-3 nm Domain Size. <i>Langmuir</i> , 2019, 35, 3383-3390.	1.6	0
119	The adsorption of DNA by cationic core-shell diblock copolymer polystyrene-block-poly(N-methyl) Tj ETQq1 1 0.784314 rgBT (Overlock 2)	2.5	2
120	Superhelices with tunable twisting power directed from supramolecular pairing of focal asymmetry in achiral dendron-jacketed block copolymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1923-1932.	2.7	8
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133	On the length of lecithin reverse wormlike micelles induced by inorganic salts: Binding site matters. <i>Journal of Molecular Liquids</i> , 2021, 329, 115543.	2.3	4
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145	Autonomously self-healing and ultrafast highly-stretching recoverable polymer through trans-octahedral metal-ligand coordination for skin-inspired tactile sensing. <i>Chemical Engineering Journal</i> , 2022, 438, 135592.	6.6	15

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148	Heteroheptacene-based acceptors with thieno[3,2- <i>b</i> ]pyrrole yield high-performance polymer solar cells. National Science Review, 2022, 9, .	4.6	67
149	Promoting the Efficiency and Stability of Nonfullerene Organic Photovoltaics by Incorporating Open-Cage [60]Fullerenes in the Nonfullerene Nanocrystallites. ACS Applied Materials & Interfaces, 2022, 14, 39109-39119.	4.0	7
150	Preparation, Structural Characterization of Anti-Cancer Drugs-Mediated Self-Assembly from the Pluronic Copolymers through Synchrotron SAXS Investigation. Materials, 2022, 15, 5387.	1.3	5
151	Graphitic carbon nitride embedded with single-atom Pt for photo-enhanced electrocatalytic hydrogen evolution reaction. Applied Surface Science, 2023, 615, 156372.	3.1	5
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