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List of Publications by Year
in descending order

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201 papers	11,093 citations	34105 52 h-index	32842 100 g-index
206 all docs	206 docs citations	206 times ranked	11744 citing authors

#	Article	IF	Citations
1	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. Macromolecules, 1995, 28, 8796-8806.	4.8	965
2	A SAXS/WAXS/GISAXS Beamline with Multilayer Monochromator. Journal of Physics: Conference Series, 2010, 247, 012007.	0.4	522
3	Structural Investigations of Human Stratum Corneum by Small-Angle X-Ray Scattering. Journal of Investigative Dermatology, 1991, 97, 1005-1012.	0.7	499
4	In Situ Observation of Active Oxygen Species in Fe-Containing Ni-Based Oxygen Evolution Catalysts: The Effect of pH on Electrochemical Activity. Journal of the American Chemical Society, 2015, 137, 15112-15121.	13.7	459
5	Complex Phase Behavior of Polyisoprene-Polystyrene Diblock Copolymers Near the Order-Disorder Transition. Macromolecules, 1994, 27, 6922-6935.	4.8	412
6	Increase in short-chain ceramides correlates with an altered lipid organization and decreased barrier function in atopic eczema patients. Journal of Lipid Research, 2012, 53, 2755-2766.	4.2	349
7	Recent experiments on a small-angle/wide-angle X-ray scattering beam line at the ESRF. Journal of Applied Crystallography, 2003, 36, 791-794.	4.5	271
8	Structure of human stratum corneum as a function of temperature and hydration: A wide-angle X-ray diffraction study. International Journal of Pharmaceutics, 1992, 84, 205-216.	5.2	245
9	Implementation of a combined SAXS/WAXS/QEXAFS set-up for time-resolvedin situexperiments. Journal of Synchrotron Radiation, 2008, 15, 632-640.	2.4	243
10	Structure Development in Semicrystalline Diblock Copolymers Crystallizing from the Ordered Melt. Macromolecules, 1995, 28, 3860-3868.	4.8	230
11	Transfection Mediated by Gemini Surfactants:â€‰ Engineered Escape from the Endosomal Compartment. Journal of the American Chemical Society, 2003, 125, 1551-1558.	13.7	222
12	Scatter: software for the analysis of nano- and mesoscale small-angle scattering. Journal of Applied Crystallography, 2010, 43, 639-646.	4.5	188
13	A Real-Time Simultaneous Small- and Wide-Angle X-ray Scattering Study of In-Situ Deformation of Isotropic Polyethylene. Macromolecules, 1995, 28, 6383-6393.	4.8	184
14	Dynamics of Structure Formation in Crystallizable Block Copolymers. Macromolecules, 1995, 28, 1422-1428.	4.8	163
15	Homogeneous versus Heterogeneous Zeolite Nucleation. Angewandte Chemie International Edition in English, 1995, 34, 73-75.	4.4	150
16	The Dutchâ€“Belgian beamline at the ESRF. Journal of Synchrotron Radiation, 1998, 5, 518-520.	2.4	139
17	Reciprocating Power Generation in a Chemically Driven Synthetic Muscle. Nano Letters, 2006, 6, 73-77.	9.1	131
18	Crystallization of a Weakly Segregated Polyolefin Diblock Copolymer. Macromolecules, 1995, 28, 4932-4938.	4.8	126

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19	The Susceptibility of Pure Tubulin to High Magnetic Fields: A Magnetic Birefringence and X-Ray Fiber Diffraction Study. Biophysical Journal, 1998, 74, 1509-1521.	0.5	120
20	The lipid and protein structure of mouse stratum corneum: A wide and small angle diffraction study. Lipids and Lipid Metabolism, 1994, 1212, 183-192.	2.6	117
21	A synchrotron X-ray study of melting and recrystallization in isotactic polypropylene. Polymer, 1997, 38, 759-768.	3.8	117
22	The suite of small-angle neutron scattering instruments at Oak Ridge National Laboratory. Journal of Applied Crystallography, 2018, 51, 242-248.	4.5	115
23	Thermodynamic and structural aspects of the skin barrier. Journal of Controlled Release, 1991, 15, 209-219.	9.9	112
24	In situ simultaneous small and wide angle x-ray scattering: A new technique to study starch gelatinization. Journal of Polymer Science, Part B: Polymer Physics, 1994, 32, 1579-1583.	2.1	111
25	Polymer crystallization studies under processing-relevant conditions at the SAXS/WAXS DUBBLE beamline at the ESRF. Journal of Applied Crystallography, 2013, 46, 1681-1689.	4.5	111
26	The Combination of Thermal Analysis and Time-Resolved X-ray Techniques: a Powerful Method for Materials Characterization. Journal of Applied Crystallography, 1995, 28, 26-32.	4.5	108
27	A Combined SAXS/WAXS/XAFS Setup Capable of Observing Concurrent Changes Across the Nano-to-Micrometer Size Range in Inorganic Solid Crystallization Processes. Journal of the American Chemical Society, 2006, 128, 12386-12387.	13.7	106
28	Simultaneous SAXS/WAXS and d.s.c. analysis of the melting and recrystallization behaviour of quenched polypropylene. Polymer, 1994, 35, 1352-1358.	3.8	104
29	Small angle X-ray scattering: possibilities and limitations in characterization of vesicles. Chemistry and Physics of Lipids, 1993, 64, 83-98.	3.2	97
30	Nanoscale Conducting Cylinders Based on Self-Organization of Hydrogen-Bonded Polyaniline Supramolecules. Macromolecules, 2000, 33, 8671-8675.	4.8	97
31	Lamellar Lipid Organization and Ceramide Composition in the Stratum Corneum of Patients with Atopic Eczema. Journal of Investigative Dermatology, 2011, 131, 2136-2138.	0.7	96
32	Simultaneous Studies of Reaction Kinetics and Structure Development in Polymer Processing. Science, 1995, 267, 996-999.	12.6	95
33	Early Stages of Crystallization in Isotactic Polypropylene. Macromolecules, 2003, 36, 3656-3665.	4.8	94
34	Hysteresisâ€Free Nanoparticleâ€Reinforced Hydrogels. Advanced Materials, 2022, 34, e2108243.	21.0	92
35	Structures of Oxyethylene/Oxybutylene Diblock Copolymers in Their Solid and Liquid States. Macromolecules, 1995, 28, 6029-6041.	4.8	91
36	Order-disorder transition in a block copolyurethane. Macromolecules, 1992, 25, 6277-6283.	4.8	90

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37	Responsive brushes and gels as components of soft nanotechnology. Faraday Discussions, 2005, 128, 55-74.	3.2	90
38	Shear-Induced Crystallization in Blends of Model Linear and Long-Chain Branched Hydrogenated Polybutadienes. Macromolecules, 2006, 39, 5058-5071.	4.8	90
39	Intermolecular channels direct crystal orientation in mineralized collagen. Nature Communications, 2020, 11, 5068.	12.8	90
40	Active Nature of Primary Amines during Thermal Decomposition of Nickel Dithiocarbamates to Nickel Sulfide Nanoparticles. Chemistry of Materials, 2014, 26, 6281-6292.	6.7	86
41	A direct method to determine the degree of crystallinity and lamellar thickness of polymers: application to polyethylene. Polymer, 1994, 35, 4537-4544.	3.8	80
42	Promotion Effects in the Oxidation of CO over Zeolite-Supported Pt Nanoparticles. Journal of Physical Chemistry B, 2005, 109, 3822-3831.	2.6	74
43	Real-Time WAXD Detection of Mesophase Development during Quenching of Propene/Ethylene Copolymers. Macromolecules, 2010, 43, 10208-10212.	4.8	73
44	An SAXS/WAXS beamline at the ESRF and future experiments. Journal of Macromolecular Science - Physics, 1998, 37, 557-565.	1.0	71
45	Homeotropic Alignment of Columnar Liquid Crystals in Open Films by Means of Surface Nanopatterning. Advanced Materials, 2007, 19, 815-820.	21.0	68
46	Effect of the Hofmeister Anions upon the Swelling of a Self-Assembled pH-Responsive Hydrogel. Langmuir, 2010, 26, 10191-10197.	3.5	66
47	Electrospinning pHâ€Responsive Block Copolymer Nanofibers. Advanced Materials, 2007, 19, 3544-3548.	21.0	65
48	The phase behaviour of skin lipid mixtures based on synthetic ceramides. Chemistry and Physics of Lipids, 2003, 124, 123-134.	3.2	60
49	Novel lipid mixtures based on synthetic ceramides reproduce the unique stratum corneum lipid organization. Journal of Lipid Research, 2004, 45, 923-932.	4.2	59
50	High-Resolution Small-Angle X-Ray Diffraction Study of Long-Range Order in Hard-Sphere Colloidal Crystals. Physical Review Letters, 2002, 88, 208301.	7.8	57
51	Nonmonotonic Evolution of Density Fluctuations during Glass Relaxation. Physical Review Letters, 2009, 102, 155506.	7.8	54
52	Tuning the nanopore structure and separation behavior of hybrid organosilica membranes. Microporous and Mesoporous Materials, 2014, 185, 224-234.	4.4	54
53	Crystallization in block copolymer melts: Small soft structures that template larger hard structures. Journal of Chemical Physics, 2001, 114, 5425-5431.	3.0	53
54	Self-Assembly of Supramolecules Consisting of Octyl Gallate Hydrogen Bonded to Polyisoprene-block-poly(vinylpyridine) Diblock Copolymers. Macromolecules, 2004, 37, 9517-9524.	4.8	49

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55	Tailoring the Thermotropic Behavior of Tetra-Substituted Phthalocyanines via the Lateral Chains Architecture. Chemistry of Materials, 2005, 17, 2825-2832.	6.7	48
56	Metal-hydrogen systems with an exceptionally large and tunable thermodynamic destabilization. Nature Communications, 2017, 8, 1846.	12.8	47
57	Are metastable, precrystallisation, density-fluctuations a universal phenomena?. Faraday Discussions, 2003, 122, 343-361.	3.2	46
58	Synthesis, Thermal Processing, and Thin Film Morphology of Poly(3-hexylthiophene)â€“Poly(styrenesulfonate) Block Copolymers. Macromolecules, 2015, 48, 2107-2117.	4.8	46
59	The influence of alkyl-azones on the ordering of the lamellae in human stratum corneum. International Journal of Pharmaceutics, 1992, 79, 141-148.	5.2	45
60	Simultaneous monitoring of amorphous and crystalline phases in silicalite precursor gels. An in situ hydrothermal and time-resolved small- and wide-angle X-ray scattering study. Journal of Applied Crystallography, 1994, 27, 901-906.	4.5	44
61	Evidence of pre-crystalline-order in super-cooled polymer melts revealed from simultaneous dielectric spectroscopy and SAXS. Journal of Non-Crystalline Solids, 2005, 351, 2773-2779.	3.1	44
62	Effect of processing parameters on the morphology development during extrusion of polyethylene tape: An in-line small-angle X-ray scattering (SAXS) study. Polymer, 2013, 54, 6580-6588.	3.8	44
63	Atomic Layer Deposition Route To Tailor Nanoalloys of Noble and Non-noble Metals. ACS Nano, 2016, 10, 8770-8777.	14.6	44
64	Sample environments and techniques combined with Small Angle X-ray Scattering. Advances in Colloid and Interface Science, 1998, 75, 1-43.	14.7	43
65	Raman spectroscopy combined with small angle x-ray scattering and wide angle x-ray scattering as a tool for the study of phase transitions in polymers. Review of Scientific Instruments, 1998, 69, 2114-2117.	1.3	41
66	In-situ XAS study on the Cu and Ce local structural changes in a CuOâ€“CeO2/Al2O3 catalyst under propane reduction and re-oxidation. Journal of Physics and Chemistry of Solids, 2009, 70, 1274-1284.	4.0	41
67	Polarized luminescence from self-assembled, aligned, and cleaved supramolecules of highly ordered rodlike polymers. Applied Physics Letters, 2002, 81, 1489-1491.	3.3	40
68	Selfâ€Assemblyâ€Driven Electrospinning: The Transition from Fibers to Intact Beaded Morphologies. Macromolecular Rapid Communications, 2015, 36, 1437-1443.	3.9	40
69	Self-Assembled Poly(4-vinylpyridine)â^'Surfactant Systems Using Alkyl and Alkoxy Phenylazophenols. Macromolecules, 2008, 41, 4200-4204.	4.8	37
70	Simultaneous SAXS and WAXS investigations of changes in native cellulose fiber microstructure on swelling in aqueous sodium hydroxide. Journal of Applied Polymer Science, 2002, 83, 1209-1218.	2.6	36
71	Probing ZnAPO-34 Self-Assembly Using Simultaneous Multiple in Situ Techniques. Journal of Physical Chemistry C, 2011, 115, 6331-6340.	3.1	35
72	Dynamics of Magnetic Alignment in Rodâ€“Coil Block Copolymers. Macromolecules, 2013, 46, 4462-4471.	4.8	34

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73	Tracking ink composition on Herculaneum papyrus scrolls: quantification and speciation of lead by X-ray based techniques and Monte Carlo simulations. Scientific Reports, 2016, 6, 20763.	3.3	33
74	Insight into the Nature of Iron Sulfide Surfaces During the Electrochemical Hydrogen Evolution and CO₂ Reduction Reactions. ACS Applied Materials & Interfaces, 2018, 10, 32078-32085.	8.0	33
75	Synchrotron X-ray studies of lipids and membranes: a critique. Journal of Proteomics, 1994, 29, 87-111.	2.4	32
76	Structure Development of Low-Density Polyethylenes During Film Blowing: A Real-Time Wide-Angle X-ray Diffraction Study. Macromolecular Materials and Engineering, 2014, 299, 1494-1512.	3.6	32
77	XAS and XES Techniques Shed Light on the Dark Side of Zieglerâ€“Natta Catalysts: Activeâ€Site Generation. ChemCatChem, 2015, 7, 1432-1437.	3.7	31
78	Intermediate Segregation Type Chain Length Dependence of the Long Period of Lamellar Microdomain Structures of Supramolecular Combâ˜Coil Diblocks. Macromolecules, 2001, 34, 4917-4922.	4.8	30
79	In-Situ SAXS Study on the Alignment of Ordered Systems of Comb-Shaped Supramolecules:Â A Shear-Induced Cylinder-to-Cylinder Transition. Macromolecules, 2005, 38, 1804-1813.	4.8	30
80	In SituRadialSmall Angle Synchrotron X-ray Scattering Study of Shear-Induced Macroscopic Orientation of Hierarchically Structured Comb-Shaped Supramolecules. Macromolecules, 2003, 36, 1421-1423.	4.8	28
81	Field-induced alignment of a smectic-Aphase: A time-resolved x-ray diffraction investigation. Journal of Chemical Physics, 2004, 121, 4397-4413.	3.0	28
82	The development of monodispersed alumino-chromate spinel nanoparticles in doped cordierite glass, studied by in situ X-ray small and wide angle scattering, and chromium X-ray spectroscopy. Journal of Non-Crystalline Solids, 2005, 351, 2178-2193.	3.1	28
83	Modulation of Microtubule Interprotofilament Interactions by Modified Taxanes. Biophysical Journal, 2011, 101, 2970-2980.	0.5	28
84	Polycapillary-optics-based micro-XANES and micro-EXAFS at a third-generation bending-magnet beamline. Journal of Synchrotron Radiation, 2009, 16, 237-246.	2.4	26
85	Effects of X-rays on Crystal Nucleation in Lithium Disilicate. Crystal Growth and Design, 2011, 11, 2858-2865.	3.0	26
86	Morphology of homogeneous copolymers of ethylene and 1-octene. III. Structural changes during heating as revealed by time-resolved SAXS and WAXD. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1975-1991.	2.1	25
87	Templating Crystal Growth at the Nanometer-Scale with a Monotropic Columnar Mesophase. Advanced Materials, 2005, 17, 671-676.	21.0	25
88	Autonomous Volume Transitions of a Polybase Triblock Copolymer Gel in a Chemically Driven pHâ€Oscillator. Macromolecular Symposia, 2007, 256, 95-104.	0.7	25
89	Influence of metalâ€“support interaction on the surface structure of gold nanoclusters deposited on native SiOx/Si substrates. Physical Chemistry Chemical Physics, 2014, 16, 6649.	2.8	25
90	Beyond simple small-angle X-ray scattering: developments in online complementary techniques and sample environments. IUCrJ, 2014, 1, 478-491.	2.2	25

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91	How does dense phase CO₂ influence the phase behaviour of block copolymers synthesised by dispersion polymerisation?. Polymer Chemistry, 2016, 7, 905-916.	3.9	25
92	Formation of ordered microstructures in polyelectrolyte/surfactant systems: linear anionic polyelectrolytes and cetylpyridinium chloride. Macromolecular Rapid Communications, 2000, 21, 1226-1233.	3.9	24
93	Mesomorphism, Polymorphism, and Semicrystalline Morphology of Poly(Di-n-propylsiloxane). Macromolecules, 2006, 39, 988-999.	4.8	24
94	Synergistic Reinforcement of Highly Oriented Poly(propylene) Tapes by Sepiolite Nanoclay. Macromolecular Materials and Engineering, 2010, 295, 37-47.	3.6	24
95	Structural Changes and Chain Conformation of Hydrophobic Polyelectrolytes. Journal of Physical Chemistry B, 2002, 106, 12165-12169.	2.6	23
96	A new experimental cell forin situandoperandoX-ray absorption measurements in heterogeneous catalysis. Journal of Synchrotron Radiation, 2005, 12, 680-684.	2.4	23
97	X-ray irradiation induced reduction and nanoclustering of lead in borosilicate glass. CrystEngComm, 2014, 16, 9331-9339.	2.6	23
98	In situ Fe K-edge X-ray absorption spectroscopy study during cycling of Li₂FeSiO₄ and Li_{2.2}Fe_{0.9}SiO₄ Li ion battery materials. Journal of Materials Chemistry A, 2015, 3, 7314-7322.	10.3	23
99	Effects of silicon sources on the formation of nanosized LTA: An in situ small angle X-ray scattering and wide angle X-ray scattering study. Microporous and Mesoporous Materials, 2007, 101, 134-141.	4.4	22
100	Following the Synthesis of Metal Nanoparticles within pH-Responsive Microgel Particles by SAXS. Macromolecules, 2010, 43, 9828-9836.	4.8	22
101	Fractal structure of a cross-linked polymer resin: A small-angle x-ray scattering, pulsed field gradient, and paramagnetic relaxation study. Physical Review B, 1991, 44, 4778-4793.	3.2	21
102	X-ray spectroscopic and scattering methods applied to the characterisation of cobalt-based Fischerâ€“Tropsch synthesis catalysts. Catalysis Science and Technology, 2016, 6, 5773-5791.	4.1	21
103	Simultaneous birefringence, small- and wide-angle X-ray scattering to detect precursors and characterize morphology development during flow-induced crystallization of polymers. Journal of Synchrotron Radiation, 2008, 15, 185-190.	2.4	20
104	Monitoring morphology evolution within block copolymer microparticles during dispersion polymerisation in supercritical carbon dioxide: a high pressure SAXS study. Polymer Chemistry, 2019, 10, 860-871.	3.9	20
105	X-ray diffraction measurements on liquid iodine and some dilute mixtures of KI in I2. Molecular Physics, 1988, 64, 445-456.	1.7	19
106	Insights into the formation of microporous materials by in situ X-ray scattering techniques. Catalysis Today, 2009, 145, 195-203.	4.4	19
107	How does iron interact with sporopollenin exine capsules? An X-ray absorption study including microfocus XANES and XRF imaging. Journal of Materials Chemistry B, 2014, 2, 945-959.	5.8	19
108	The evolution of bicontinuous polymeric nanospheres in aqueous solution. Soft Matter, 2016, 12, 4113-4122.	2.7	19

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109	Structural Characterization of Frozen n-Heptane Solutions of Metal-Containing Reverse Micelles. Langmuir, 2007, 23, 11482-11487.	3.5	18
110	Full-Field Fluorescence Mode Micro-XANES Imaging Using a Unique Energy Dispersive CCD Detector. Analytical Chemistry, 2014, 86, 8791-8797.	6.5	18
111	Liquidâ€“liquid transitions, crystallization and long range fluctuations in supercooled yttrium oxideâ€“aluminium oxide melts. Journal of Non-Crystalline Solids, 2009, 355, 715-721.	3.1	17
112	Nanocrystal Growth in Cordierite Glass Ceramics Studied with X-ray Scattering. Crystal Growth and Design, 2009, 9, 1297-1305.	3.0	17
113	Increased Orderâ€“Disorder Transition Temperature for a Rodâ€“Coil Block Copolymer in the Presence of a Magnetic Field. Macromolecules, 2011, 44, 7503-7507.	4.8	17
114	A high pressure cell for supercritical CO2 on-line chemical reactions studied with x-ray techniques. Review of Scientific Instruments, 2014, 85, 093905.	1.3	17
115	A high-pressure and controlled-flow gas system for catalysis research. Journal of Synchrotron Radiation, 2014, 21, 462-463.	2.4	17
116	Unexpected effects in non crystalline materials exposed to X-ray radiation. Journal of Non-Crystalline Solids, 2016, 451, 153-160.	3.1	17
117	Self-organized supermolecules based on conducting polyaniline and hydrogen bonded amphiphiles. Synthetic Metals, 2001, 121, 1277-1278.	3.9	16
118	A fast position sensitive microstrip-gas-chamber detector at high count rate operation. Review of Scientific Instruments, 2002, 73, 3754-3758.	1.3	16
119	Polymer research and synchrotron radiation perspectives. European Polymer Journal, 2016, 81, 415-432.	5.4	16
120	Reconstruction of three-dimensional anisotropic structure from small-angle scattering experiments. Physical Review E, 2017, 96, 022612.	2.1	16
121	Fe(ii) and Fe(iii) dithiocarbamate complexes as single source precursors to nanoscale iron sulfides: a combined synthetic and in situ XAS approach. Nanoscale Advances, 2019, 1, 2965-2978.	4.6	16
122	Understanding the role of zinc dithiocarbamate complexes as single source precursors to ZnS nanomaterials. Nanoscale Advances, 2020, 2, 798-807.	4.6	16
123	Ionic Conductivity Enhancement of Polymer Electrolytes by Directed Crystallization. ACS Macro Letters, 2022, 11, 595-602.	4.8	16
124	The SAXS/WAXS software system of the DUBBLE CRG beamline at the ESRF. Journal of Applied Crystallography, 2001, 34, 519-522.	4.5	15
125	In situstudy of the formation of CdS nanoparticles by small-angle X-ray scattering. Journal of Applied Crystallography, 2003, 36, 718-721.	4.5	15
126	Structure and speciation of chromium ions in chromium doped Fe₂O₃catalysts. Physical Chemistry Chemical Physics, 2013, 15, 168-175.	2.8	15

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127	Small-Angle X-ray Scattering Insights into the Architecture-Dependent Emulsifying Properties of Amphiphilic Copolymers in Supercritical Carbon Dioxide. Journal of Physical Chemistry B, 2015, 119, 1706-1716.	2.6	15
128	A SAXS/WAXS XAFS study of crystallisation in cordierite glass. Faraday Discussions, 2003, 122, 299-314.	3.2	14
129	Real-Time Simultaneous Wide- and Small-Angle Fibre Diffraction. Journal of Synchrotron Radiation, 1995, 2, 87-92.	2.4	13
130	Morphology in binary blends of poly(vinyl methyl ether) and Ïµ-caprolactone-trimethylene carbonate diblock copolymer. Polymer, 1997, 38, 509-519.	3.8	13
131	Micellization of Miktoarm Star S_nI_nCopolymers in Block Copolymer/Homopolymer Blends. Macromolecules, 2009, 42, 5285-5295.	4.8	13
132	Molecular Organization of Cylindrical Sexithiophene Aggregates Measured by X-ray Scattering and Magnetic Alignment. Langmuir, 2009, 25, 1272-1276.	3.5	13
133	Formation of (Fe,Cr) carbides and dislocation structures in low-chromium steel studiedin situusing synchrotron radiation. Journal of Applied Crystallography, 2013, 46, 181-192.	4.5	13
134	The Diamagnetic Susceptibility of the Tubulin Dimer. Journal of Biophysics, 2014, 2014, 1-5.	0.8	13
135	Selective molecular annealing: in situ small angle X-ray scattering study of microwave-assisted annealing of block copolymers. Physical Chemistry Chemical Physics, 2017, 19, 20412-20419.	2.8	13
136	Activation of Coâ^'Moâ^'S Hydrodesulfurization Catalysts Under Refinery Conditionsâ€A Combined SAXS/XAS Study. ChemCatChem, 2019, 11, 5013-5017.	3.7	13
137	Molecular packing structure of fibrin fibers resolved by X-ray scattering and molecular modeling. Soft Matter, 2020, 16, 8272-8283.	2.7	13
138	Phase transitions between ripple structures in hydrated phosphatidylcholine-cholesterol multilamellar assemblies. Physical Review Letters, 1992, 68, 1085-1088.	7.8	12
139	Rapidly Cooled Polyethylenes:Â On the Thermal Stability of the Semicrystalline Morphology. Macromolecules, 2006, 39, 8399-8411.	4.8	12
140	Comparing CuAPO-5 with Cu:ZSM-5 in the Selective Catalytic Reduction of NOx:â€‰ An in situ Study. Journal of Physical Chemistry C, 2007, 111, 3130-3138.	3.1	12
141	Measurement of the size of embedded metal clusters by mass spectrometry, transmission electron microscopy, and small-angle X-ray scattering. Applied Physics A: Materials Science and Processing, 2007, 86, 533-538.	2.3	12
142	Polycapillary Optics Based Confocal Micro X-ray Fluorescence and X-ray Absorption Spectroscopy Setup at The European Synchrotron Radiation Facility Collaborative Research Group Dutchâ€“Belgian Beamline, BM26A. Analytical Chemistry, 2018, 90, 2389-2394.	6.5	12
143	Soft Matter Sample Environments for Time-Resolved Small Angle Neutron Scattering Experiments: A Review. Applied Sciences (Switzerland), 2021, 11, 5566.	2.5	12
144	When x-rays alter the course of your experiments*. Journal of Physics Condensed Matter, 2021, 33, 423002.	1.8	12

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145	Effect of nitridation on the electronic environment of vanadium in VAlO(N) powder catalysts, used for the ammoxidation of propane. Catalysis Today, 2006, 118, 344-352.	4.4	11
146	Comparative structural study of thin films of a columnar liquid crystal aligned by mechanical shearing and zone casting. Thin Solid Films, 2008, 517, 982-985.	1.8	11
147	Synchrotron radiation studies of non-crystalline systems. Annual Reports on the Progress of Chemistry Section C, 2008, 104, 35.	4.4	11
148	Real-Time Fast Structuring of Polymers Using Synchrotron WAXD/SAXS Techniques. Advances in Polymer Science, 2015, , 127-165.	0.8	11
149	A combined SAXS/WAXS investigation of the phase behaviour of di-polyenoic membrane lipids. Biochimica Et Biophysica Acta - Biomembranes, 1996, 1284, 86-96.	2.6	10
150	Cocrystallization in Piperazine-Based Polyamide Copolymers:Â Small- and Wide-Angle X-ray Diffraction Studies at 30 Â°C. Macromolecules, 2005, 38, 1797-1803.	4.8	10
151	Molecular ordering in the high-temperature nematic phase of an all-aromatic liquid crystal. Soft Matter, 2016, 12, 2309-2314.	2.7	10
152	Improving Gas Selectivity in Membranes Using Polymer-Grafted Silica Nanoparticles. ACS Applied Nano Materials, 2021, 4, 5895-5903.	5.0	10
153	Upcycling of semicrystalline polymers by compatibilization: mechanism and location of compatibilizers. RSC Advances, 2022, 12, 10886-10894.	3.6	10
154	Using synchrotron radiation to study polymer processing. Nuclear Instruments & Methods in Physics Research B, 1995, 97, 216-223.	1.4	9
155	Temperature dependence of chain conformations in a model block copolyurethane. , 1997, 44, 371-379.		9
156	Photon Energy Becomes the Third Dimension in Crystallographic Texture Analysis. Angewandte Chemie - International Edition, 2016, 55, 12190-12194.	13.8	9
157	The interaction between fundamental and industrial research and experimental developments in the field of polymer crystallization. Journal of Non-Crystalline Solids, 2016, 451, 168-178.	3.1	9
158	Small-angle X-ray scattering by PVPâ€“water mixtures. Journal of Applied Crystallography, 2001, 34, 62-64.	4.5	8
159	Reorientation mechanisms in smectic A liquid crystals. Liquid Crystals, 2012, 39, 1261-1275.	2.2	8
160	Mechanically stable flat anodic titania membranes for gas transport applications. Journal of Porous Materials, 2012, 19, 71-77.	2.6	8
161	Position and flux stabilization of X-ray beams produced by double-crystal monochromators for EXAFS scans at the titaniumK-edge. Journal of Synchrotron Radiation, 2014, 21, 401-408.	2.4	8
162	Small-angle X-ray scattering and wide-angle X-ray scattering experiments combined with thermal and spectroscopic analysis techniques. Journal of Molecular Structure, 1996, 383, 309-314.	3.6	7

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163	Time-Resolved Small-Angle X-ray Scattering Combined with Wide-Angle X-ray Scattering. Journal of Applied Crystallography, 1997, 30, 816-821.	4.5	7
164	SAXS/WAXS experiments using extreme sample environments. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 90-97.	1.4	7
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