

Wim Bras

List of Publications by Year in descending order

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201
papers

11,093
citations

34105

52
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32842

100
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206
all docs

206
docs citations

206
times ranked

11744
citing authors

#	ARTICLE	IF	CITATIONS
1	Hysteresis-Free Nanoparticle-Reinforced Hydrogels. <i>Advanced Materials</i> , 2022, 34, e2108243.	21.0	92
2	Upcycling of semicrystalline polymers by compatibilization: mechanism and location of compatibilizers. <i>RSC Advances</i> , 2022, 12, 10886-10894.	3.6	10
3	High-intensity X-ray beams can influence the kinetics in a time-resolved experiment. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	4
4	Ionic Conductivity Enhancement of Polymer Electrolytes by Directed Crystallization. <i>ACS Macro Letters</i> , 2022, 11, 595-602.	4.8	16
5	Extending synchrotron SAXS instrument ranges through addition of a portable, inexpensive USAXS module with vertical rotation axes. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 824-833.	2.4	6
6	Improving Gas Selectivity in Membranes Using Polymer-Grafted Silica Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021, 4, 5895-5903.	5.0	10
7	Soft Matter Sample Environments for Time-Resolved Small Angle Neutron Scattering Experiments: A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5566.	2.5	12
8	Preface to the JPCM special issue on intense radiation sources in condensed matter and materials physics. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 390401.	1.8	0
9	When x-rays alter the course of your experiments*. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 423002.	1.8	12
10	Past, present and future sample environments for materials research studies in scattering and spectroscopy; a UK perspective. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 483002.	1.8	2
11	Multiscale Structural Characterization of a Smectic Liquid Crystalline Elastomer upon Mechanical Deformation Using Neutron Scattering. <i>Macromolecules</i> , 2021, 54, 10574-10582.	4.8	3
12	Data Mining of Polymer Phase Transitions upon Temperature Changes by Small and Wide-Angle X-ray Scattering Combined with Raman Spectroscopy. <i>Polymers</i> , 2021, 13, 4203.	4.5	3
13	Understanding the role of zinc dithiocarbamate complexes as single source precursors to ZnS nanomaterials. <i>Nanoscale Advances</i> , 2020, 2, 798-807.	4.6	16
14	Intermolecular channels direct crystal orientation in mineralized collagen. <i>Nature Communications</i> , 2020, 11, 5068.	12.8	90
15	Molecular packing structure of fibrin fibers resolved by X-ray scattering and molecular modeling. <i>Soft Matter</i> , 2020, 16, 8272-8283.	2.7	13
16	Activation of Co-MoS Hydrodesulfurization Catalysts Under Refinery Conditions-A Combined SAXS/XAS Study. <i>ChemCatChem</i> , 2019, 11, 5013-5017.	3.7	13
17	Monitoring morphology evolution within block copolymer microparticles during dispersion polymerisation in supercritical carbon dioxide: a high pressure SAXS study. <i>Polymer Chemistry</i> , 2019, 10, 860-871.	3.9	20
18	Fe(ii) and Fe(iii) dithiocarbamate complexes as single source precursors to nanoscale iron sulfides: a combined synthetic and in situ XAS approach. <i>Nanoscale Advances</i> , 2019, 1, 2965-2978.	4.6	16

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19	Scattering Methods and their Application in Colloid and Interface Science. By Otto Glatter. Elsevier, 2018. Paperback pp. 404. Price USD 225. Paperback (ISBN 9780128135808), ebook (ISBN 9780128135815).. Journal of Applied Crystallography, 2019, 52, 243-244.	4.5	0
20	The suite of small-angle neutron scattering instruments at Oak Ridge National Laboratory. Journal of Applied Crystallography, 2018, 51, 242-248.	4.5	115
21	Polycapillary Optics Based Confocal Micro X-ray Fluorescence and X-ray Absorption Spectroscopy Setup at The European Synchrotron Radiation Facility Collaborative Research Group Dutch-Belgian Beamline, BM26A. Analytical Chemistry, 2018, 90, 2389-2394.	6.5	12
22	Insight into the Nature of Iron Sulfide Surfaces During the Electrochemical Hydrogen Evolution and CO ₂ Reduction Reactions. ACS Applied Materials & Interfaces, 2018, 10, 32078-32085.	8.0	33
23	Reconstruction of three-dimensional anisotropic structure from small-angle scattering experiments. Physical Review E, 2017, 96, 022612.	2.1	16
24	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
25	Metal-hydrogen systems with an exceptionally large and tunable thermodynamic destabilization. Nature Communications, 2017, 8, 1846.	12.8	47
26	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
27	Polymer research and synchrotron radiation perspectives. European Polymer Journal, 2016, 81, 415-432.	5.4	16
28	The evolution of bicontinuous polymeric nanospheres in aqueous solution. Soft Matter, 2016, 12, 4113-4122.	2.7	19
29	Atomic Layer Deposition Route To Tailor Nanoalloys of Noble and Non-noble Metals. ACS Nano, 2016, 10, 8770-8777.	14.6	44
30	Photon Energy Becomes the Third Dimension in Crystallographic Texture Analysis. Angewandte Chemie - International Edition, 2016, 55, 12190-12194.	13.8	9
31	Confocal depth-resolved micro-X-ray absorption spectroscopy study of chemically strengthened borosilicate glasses. RSC Advances, 2016, 6, 24060-24065.	3.6	3
32	Influence of dopant metal ions on the formation of cordierite using combined SAXS/WAXS and EXAFS/WAXS techniques. Journal of Non-Crystalline Solids, 2016, 451, 16-22.	3.1	2
33	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
34	Unexpected effects in non crystalline materials exposed to X-ray radiation. Journal of Non-Crystalline Solids, 2016, 451, 153-160.	3.1	17
35	Molecular ordering in the high-temperature nematic phase of an all-aromatic liquid crystal. Soft Matter, 2016, 12, 2309-2314.	2.7	10
36	How does dense phase CO ₂ influence the phase behaviour of block copolymers synthesised by dispersion polymerisation?. Polymer Chemistry, 2016, 7, 905-916.	3.9	25

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37	X-ray spectroscopic and scattering methods applied to the characterisation of cobalt-based Fischer-Tropsch synthesis catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 5773-5791.	4.1	21
38	Energy-dispersive white-beam diffraction: translating photon energy into the third dimension for one-shot texture analysis. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s60-s60.	0.1	0
39	Real-Time Fast Structuring of Polymers Using Synchrotron WAXD/SAXS Techniques. <i>Advances in Polymer Science</i> , 2015, , 127-165.	0.8	11
40	Self-Assembly-Driven Electrospinning: The Transition from Fibers to Intact Beaded Morphologies. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1437-1443.	3.9	40
41	In Situ Observation of Active Oxygen Species in Fe-Containing Ni-Based Oxygen Evolution Catalysts: The Effect of pH on Electrochemical Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 15112-15121.	13.7	459
42	Small-Angle X-ray Scattering Insights into the Architecture-Dependent Emulsifying Properties of Amphiphilic Copolymers in Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1706-1716.	2.6	15
43	In situ Fe K-edge X-ray absorption spectroscopy study during cycling of $\text{Li}_{2.2}\text{FeSiO}_4$ and $\text{Li}_{2.2}\text{Fe}_{0.9}\text{SiO}_4$ Li ion battery materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7314-7322.	10.3	23
44	XAS and XES Techniques Shed Light on the Dark Side of Ziegler-Natta Catalysts: Active-Site Generation. <i>ChemCatChem</i> , 2015, 7, 1432-1437.	3.7	31
45	Synthesis, Thermal Processing, and Thin Film Morphology of Poly(3-hexylthiophene)-Poly(styrenesulfonate) Block Copolymers. <i>Macromolecules</i> , 2015, 48, 2107-2117.	4.8	46
46	Structure Development of Low-Density Polyethylenes During Film Blowing: A Real-Time Wide-Angle X-ray Diffraction Study. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1494-1512.	3.6	32
47	A high pressure cell for supercritical CO ₂ on-line chemical reactions studied with x-ray techniques. <i>Review of Scientific Instruments</i> , 2014, 85, 093905.	1.3	17
48	Evaluation of an X-ray-Excited Optical Microscope for Chemical Imaging of Metal and Other Surfaces. <i>Analytical Chemistry</i> , 2014, 86, 11789-11796.	6.5	7
49	The Diamagnetic Susceptibility of the Tubulin Dimer. <i>Journal of Biophysics</i> , 2014, 2014, 1-5.	0.8	13
50	Influence of metal-support interaction on the surface structure of gold nanoclusters deposited on native SiO _x /Si substrates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6649.	2.8	25
51	Tuning the nanopore structure and separation behavior of hybrid organosilica membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 224-234.	4.4	54
52	Energy-resolved electron-yield XAS studies of nanoporous CoAlPO-18 and CoAlPO-34 catalysts. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 744-750.	2.4	1
53	Active Nature of Primary Amines during Thermal Decomposition of Nickel Dithiocarbamates to Nickel Sulfide Nanoparticles. <i>Chemistry of Materials</i> , 2014, 26, 6281-6292.	6.7	86
54	How does iron interact with sporopollenin exine capsules? An X-ray absorption study including microfocus XANES and XRF imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 945-959.	5.8	19

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55	X-ray irradiation induced reduction and nanoclustering of lead in borosilicate glass. CrystEngComm, 2014, 16, 9331-9339.	2.6	23
56	Full-Field Fluorescence Mode Micro-XANES Imaging Using a Unique Energy Dispersive CCD Detector. Analytical Chemistry, 2014, 86, 8791-8797.	6.5	18
57	Beyond simple small-angle X-ray scattering: developments in online complementary techniques and sample environments. IUCr, 2014, 1, 478-491.	2.2	25
58	A high-pressure and controlled-flow gas system for catalysis research. Journal of Synchrotron Radiation, 2014, 21, 462-463.	2.4	17
59	Measurement of the energy response function of a silicon pixel detector readout by a Timepix chip using synchrotron radiation. Journal of Instrumentation, 2014, 9, P08002-P08002.	1.2	2
60	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
61	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
62	Structure and speciation of chromium ions in chromium doped Fe ₂ O ₃ catalysts. Physical Chemistry Chemical Physics, 2013, 15, 168-175.	2.8	15
63	Formation of (Fe,Cr) carbides and dislocation structures in low-chromium steel studied <i>in situ</i> using synchrotron radiation. Journal of Applied Crystallography, 2013, 46, 181-192.	4.5	13
64	Dynamics of Magnetic Alignment in Rod-Block Copolymers. Macromolecules, 2013, 46, 4462-4471.	4.8	34
65	<i>In Situ</i> XAS of the Solvothermal Decomposition of Dithiocarbamate Complexes. Journal of Physics: Conference Series, 2013, 430, 012050.	0.4	5
66	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
67	Reorientation mechanisms in smectic A liquid crystals. Liquid Crystals, 2012, 39, 1261-1275.	2.2	8
68	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
69	Combined time-resolved X-ray scattering and spectroscopy methods. Spectroscopic Properties of Inorganic and Organometallic Compounds, 2012, , 257-288.	0.4	1
70	Mechanically stable flat anodic titania membranes for gas transport applications. Journal of Porous Materials, 2012, 19, 71-77.	2.6	8
71	Development of Nanoscale Inhomogeneities during Drying of Sol-Gel Derived Amorphous Lead Zirconate Titanate Precursor Thin Films. Langmuir, 2011, 27, 11081-11089.	3.5	6
72	Probing ZnAPO-34 Self-Assembly Using Simultaneous Multiple <i>In Situ</i> Techniques. Journal of Physical Chemistry C, 2011, 115, 6331-6340.	3.1	35

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73	Effects of X-rays on Crystal Nucleation in Lithium Disilicate. <i>Crystal Growth and Design</i> , 2011, 11, 2858-2865.	3.0	26
74	Modulation of Microtubule Interprotofilament Interactions by Modified Taxanes. <i>Biophysical Journal</i> , 2011, 101, 2970-2980.	0.5	28
75	Increased Order-Disorder Transition Temperature for a Rod-Coil Block Copolymer in the Presence of a Magnetic Field. <i>Macromolecules</i> , 2011, 44, 7503-7507.	4.8	17
76	Lamellar Lipid Organization and Ceramide Composition in the Stratum Corneum of Patients with Atopic Eczema. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2136-2138.	0.7	96
77	Combined time-resolved SAXS and X-ray Spectroscopy methods. <i>Journal of Physics: Conference Series</i> , 2010, 247, 012047.	0.4	6
78	Synergistic Reinforcement of Highly Oriented Poly(propylene) Tapes by Sepiolite Nanoclay. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 37-47.	3.6	24
79	<i>Scatter</i> : software for the analysis of nano- and mesoscale small-angle scattering. <i>Journal of Applied Crystallography</i> , 2010, 43, 639-646.	4.5	188
80	A SAXS/WAXS/GISAXS Beamline with Multilayer Monochromator. <i>Journal of Physics: Conference Series</i> , 2010, 247, 012007.	0.4	522
81	Following the Synthesis of Metal Nanoparticles within pH-Responsive Microgel Particles by SAXS. <i>Macromolecules</i> , 2010, 43, 9828-9836.	4.8	22
82	Real-Time WAXD Detection of Mesophase Development during Quenching of Propene/Ethylene Copolymers. <i>Macromolecules</i> , 2010, 43, 10208-10212.	4.8	73
83	Effect of the Hofmeister Anions upon the Swelling of a Self-Assembled pH-Responsive Hydrogel. <i>Langmuir</i> , 2010, 26, 10191-10197.	3.5	66
84	Quantifying hydrogel response using laser light scattering. <i>Soft Matter</i> , 2010, 6, 743-749.	2.7	3
85	Multi-Technique In Situ Approach Towards the Study of Catalytic Solids at Work Using Synchrotron Radiation. <i>Synchrotron Radiation News</i> , 2009, 22, 22-30.	0.8	4
86	Nonmonotonic Evolution of Density Fluctuations during Glass Relaxation. <i>Physical Review Letters</i> , 2009, 102, 155506.	7.8	54
87	Polycapillary-optics-based micro-XANES and micro-EXAFS at a third-generation bending-magnet beamline. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 237-246.	2.4	26
88	In-situ XAS study on the Cu and Ce local structural changes in a CuO-CeO ₂ /Al ₂ O ₃ catalyst under propane reduction and re-oxidation. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 1274-1284.	4.0	41
89	Insights into the formation of microporous materials by in situ X-ray scattering techniques. <i>Catalysis Today</i> , 2009, 145, 195-203.	4.4	19
90	Micellization of Miktoarm Star S _n I _n Copolymers in Block Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2009, 42, 5285-5295.	4.8	13

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91	Molecular Organization of Cylindrical Sexithiophene Aggregates Measured by X-ray Scattering and Magnetic Alignment. <i>Langmuir</i> , 2009, 25, 1272-1276.	3.5	13
92	Liquid-liquid transitions, crystallization and long range fluctuations in supercooled yttrium oxide-aluminium oxide melts. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 715-721.	3.1	17
93	Nanocrystal Growth in Cordierite Glass Ceramics Studied with X-ray Scattering. <i>Crystal Growth and Design</i> , 2009, 9, 1297-1305.	3.0	17
94	Polycapillary based $\frac{1}{4}$ -XAS and confocal $\frac{1}{4}$ -XANES at a bending magnet source of the ESRF. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012036.	0.4	2
95	Simultaneous birefringence, small- and wide-angle X-ray scattering to detect precursors and characterize morphology development during flow-induced crystallization of polymers. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 185-190.	2.4	20
96	Implementation of a combined SAXS/WAXS/QEXAFS set-up for time-resolved <i>in situ</i> experiments. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 632-640.	2.4	243
97	Electron scattering in Au films containing Co clusters. <i>Thin Solid Films</i> , 2008, 516, 8232-8239.	1.8	6
98	Comparative structural study of thin films of a columnar liquid crystal aligned by mechanical shearing and zone casting. <i>Thin Solid Films</i> , 2008, 517, 982-985.	1.8	11
99	Field-induced realignment of a smectic nanodroplet in an external magnetic field: A numerical investigation. <i>European Physical Journal E</i> , 2008, 25, 5-16.	1.6	2
100	Synchrotron radiation studies of non-crystalline systems. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2008, 104, 35.	4.4	11
101	Structure of iron and manganese ions substituted in the framework of nanoporous AlPO-5 material. <i>Research on Chemical Intermediates</i> , 2008, 34, 649-658.	2.7	2
102	Self-Assembled Poly(4-vinylpyridine) Surfactant Systems Using Alkyl and Alkoxy Phenylazophenols. <i>Macromolecules</i> , 2008, 41, 4200-4204.	4.8	37
103	Autonomous Volume Transitions of a Polybase Triblock Copolymer Gel in a Chemically Driven pH-Oscillator. <i>Macromolecular Symposia</i> , 2007, 256, 95-104.	0.7	25
104	Comparing CuAPO-5 with Cu:ZSM-5 in the Selective Catalytic Reduction of NO _x : An <i>in situ</i> Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3130-3138.	3.1	12
105	Structural Characterization of Frozen <i>n</i> -Heptane Solutions of Metal-Containing Reverse Micelles. <i>Langmuir</i> , 2007, 23, 11482-11487.	3.5	18
106	Homeotropic Alignment of Columnar Liquid Crystals in Open Films by Means of Surface Nanopatterning. <i>Advanced Materials</i> , 2007, 19, 815-820.	21.0	68
107	Electrospinning pH-Responsive Block Copolymer Nanofibers. <i>Advanced Materials</i> , 2007, 19, 3544-3548.	21.0	65
108	Effects of silicon sources on the formation of nanosized LTA: An <i>in situ</i> small angle X-ray scattering and wide angle X-ray scattering study. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 134-141.	4.4	22

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109	Structure and phase behavior of a disk-necklace polymer: Cyclolinear polymethylsiloxane. <i>Polymer</i> , 2007, 48, 4837-4848.	3.8	7
110	Behaviour of materials in magnetic fields studied by small-angle X-ray scattering. <i>Journal of Applied Crystallography</i> , 2007, 40, s52-s56.	4.5	2
111	Measurement of the size of embedded metal clusters by mass spectrometry, transmission electron microscopy, and small-angle X-ray scattering. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 86, 533-538.	2.3	12
112	Reciprocating Power Generation in a Chemically Driven Synthetic Muscle. <i>Nano Letters</i> , 2006, 6, 73-77.	9.1	131
113	Rapidly Cooled Polyethylenes: On the Thermal Stability of the Semicrystalline Morphology. <i>Macromolecules</i> , 2006, 39, 8399-8411.	4.8	12
114	Shear-Induced Crystallization in Blends of Model Linear and Long-Chain Branched Hydrogenated Polybutadienes. <i>Macromolecules</i> , 2006, 39, 5058-5071.	4.8	90
115	Mesomorphism, Polymorphism, and Semicrystalline Morphology of Poly(Di-n-propylsiloxane). <i>Macromolecules</i> , 2006, 39, 988-999.	4.8	24
116	Effect of nitridation on the electronic environment of vanadium in VAIO(N) powder catalysts, used for the ammoxidation of propane. <i>Catalysis Today</i> , 2006, 118, 344-352.	4.4	11
117	A Combined SAXS/WAXS/XAFS Setup Capable of Observing Concurrent Changes Across the Nano-to-Micrometer Size Range in Inorganic Solid Crystallization Processes. <i>Journal of the American Chemical Society</i> , 2006, 128, 12386-12387.	13.7	106
118	Templating Crystal Growth at the Nanometer-Scale with a Monotropic Columnar Mesophase. <i>Advanced Materials</i> , 2005, 17, 671-676.	21.0	25
119	Promotion Effects in the Oxidation of CO over Zeolite-Supported Pt Nanoparticles.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
120	Epoxidation of Cyclohexene over Crystalline and Amorphous Titanosilicate Catalysts. <i>Catalysis Letters</i> , 2005, 105, 179-182.	2.6	7
121	A new experimental cell for in situ operando X-ray absorption measurements in heterogeneous catalysis. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 680-684.	2.4	23
122	Promotion Effects in the Oxidation of CO over Zeolite-Supported Pt Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3822-3831.	2.6	74
123	Cocrystallization in Piperazine-Based Polyamide Copolymers: Small- and Wide-Angle X-ray Diffraction Studies at 30 °C. <i>Macromolecules</i> , 2005, 38, 1797-1803.	4.8	10
124	In-Situ SAXS Study on the Alignment of Ordered Systems of Comb-Shaped Supramolecules: A Shear-Induced Cylinder-to-Cylinder Transition. <i>Macromolecules</i> , 2005, 38, 1804-1813.	4.8	30
125	Evidence of pre-crystalline-order in super-cooled polymer melts revealed from simultaneous dielectric spectroscopy and SAXS. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2773-2779.	3.1	44
126	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. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2178-2193.	3.1	28

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127	Responsive brushes and gels as components of soft nanotechnology. Faraday Discussions, 2005, 128, 55-74.	3.2	90
128	Tailoring the Thermotropic Behavior of Tetra-Substituted Phthalocyanines via the Lateral Chains Architecture. Chemistry of Materials, 2005, 17, 2825-2832.	6.7	48
129	Field-induced alignment of a smectic-A phase: A time-resolved x-ray diffraction investigation. Journal of Chemical Physics, 2004, 121, 4397-4413.	3.0	28
130	Characterization of bulk microdefects in Ge single crystals. Journal of Applied Physics, 2004, 96, 6164-6168.	2.5	5
131	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
132	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
133	SAXS/WAXS experiments using extreme sample environments. Nuclear Instruments & Methods in Physics Research B, 2003, 199, 90-97.	1.4	7
134	The phase behaviour of skin lipid mixtures based on synthetic ceramides. Chemistry and Physics of Lipids, 2003, 124, 123-134.	3.2	60
135	In situ study of the formation of CdS nanoparticles by small-angle X-ray scattering. Journal of Applied Crystallography, 2003, 36, 718-721.	4.5	15
136	Temperature-dependent three-dimensional small-angle scattering in semicrystalline polymers. Journal of Applied Crystallography, 2003, 36, 664-668.	4.5	1
137	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
138	In Situ Radial Small 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
139	Early Stages of Crystallization in Isotactic Polypropylene. Macromolecules, 2003, 36, 3656-3665.	4.8	94
140	Transfection Mediated by Gemini Surfactants: Engineered Escape from the Endosomal Compartment. Journal of the American Chemical Society, 2003, 125, 1551-1558.	13.7	222
141	A SAXS/WAXS XAFS study of crystallisation in cordierite glass. Faraday Discussions, 2003, 122, 299-314.	3.2	14
142	Are metastable, precristallisation, density-fluctuations a universal phenomena?. Faraday Discussions, 2003, 122, 343-361.	3.2	46
143	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
144	Polarized luminescence from self-assembled, aligned, and cleaved supramolecules of highly ordered rodlike polymers. Applied Physics Letters, 2002, 81, 1489-1491.	3.3	40

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145	A fast position sensitive microstrip-gas-chamber detector at high count rate operation. Review of Scientific Instruments, 2002, 73, 3754-3758.	1.3	16
146	Structural Changes and Chain Conformation of Hydrophobic Polyelectrolytes. Journal of Physical Chemistry B, 2002, 106, 12165-12169.	2.6	23
147	Shear-induced crystallization of polyethylene studied by small- and wide-angle X-ray scattering (SAXS/WAXS) techniques. PhysChemComm, 2002, 5, 158.	0.8	4
148	Self-assembled, aligned, and cleaved supramolecules of poly(2,5-pyridinediyl). Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	1
149	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
150	Intermediate Segregation Type Chain Length Dependence of the Long Period of Lamellar Microdomain Structures of Supramolecular Comb ⁺ Coil Diblocks. Macromolecules, 2001, 34, 4917-4922.	4.8	30
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152	Small-angle X-ray scattering by PVP ⁺ water mixtures. Journal of Applied Crystallography, 2001, 34, 62-64.	4.5	8
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