

# Henrik Lemke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7936516/publications.pdf>

Version: 2024-02-01

143  
papers

9,925  
citations

28190

55  
h-index

35952

97  
g-index

146  
all docs

146  
docs citations

146  
times ranked

9823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Melting of magnetic order in $\text{NaOsO}_3$ by femtosecond laser pulses. <i>Physical Review B</i> , 2022, 105, .		
2	Strain wave pathway to semiconductor-to-metal transition revealed by time-resolved X-ray powder diffraction. <i>Nature Communications</i> , 2021, 12, 1239.	5.8	29
3	Enhancement and maximum in the isobaric specific-heat capacity measurements of deeply supercooled water using ultrafast calorimetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	42
4	Interplays of electron and nuclear motions along CO dissociation trajectory in myoglobin revealed by ultrafast X-rays and quantum dynamics calculations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
5	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	15.6	31
6	New insights into correlated materials in the time domain combining far-infrared excitation with x-ray probes at cryogenic temperatures. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 374001.	0.7	3
7	Ultrafast electron localization in the $\text{EuNi}_2(\text{Si}_{0.21}\text{Ge}_{0.79})_2$ correlated metal. <i>Physical Review Research</i> , 2021, 3, .	1.3	2
8	Room temperature XFEL crystallography reveals asymmetry in the vicinity of the two phyloquinones in photosystem I. <i>Scientific Reports</i> , 2021, 11, 21787.	1.6	11
9	Anomalous temperature dependence of the experimental x-ray structure factor of supercooled water. <i>Journal of Chemical Physics</i> , 2021, 155, 214501.	1.2	7
10	Hot Branching Dynamics in a Light-Harvesting Iron Carbene Complex Revealed by Ultrafast X-ray Emission Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 372-380.	1.6	14
11	Hot Branching Dynamics in a Light-Harvesting Iron Carbene Complex Revealed by Ultrafast X-ray Emission Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 364-372.	7.2	41
12	Femtosecond electronic structure response to high intensity XFEL pulses probed by iron X-ray emission spectroscopy. <i>Scientific Reports</i> , 2020, 10, 16837.	1.6	13
13	A compact and cost-effective hard X-ray free-electron laser driven by a high-brightness and low-energy electron beam. <i>Nature Photonics</i> , 2020, 14, 748-754.	15.6	140
14	Vibrational wavepacket dynamics in Fe carbene photosensitizer determined with femtosecond X-ray emission and scattering. <i>Nature Communications</i> , 2020, 11, 634.	5.8	75
15	Optical second harmonic generation in $\text{LiB}_3\text{O}_5$ modulated by intense femtosecond X-ray pulses. <i>Optics Express</i> , 2020, 28, 11117.	1.7	0
16	Mapping spin-correlations with hard X-ray free-electron laser. <i>EPJ Web of Conferences</i> , 2019, 205, 07007.	0.1	0
17	Femtosecond x-ray diffraction reveals a liquid-liquid phase transition in phase-change materials. <i>Science</i> , 2019, 364, 1062-1067.	6.0	120
18	Finding intersections between electronic excited state potential energy surfaces with simultaneous ultrafast X-ray scattering and spectroscopy. <i>Chemical Science</i> , 2019, 10, 5749-5760.	3.7	90

#	ARTICLE	IF	CITATIONS
19	Ultrafast X-Ray Scattering Measurements of Coherent Structural Dynamics on the Ground-State Potential Energy Surface of a Diplatinum Molecule. <i>Physical Review Letters</i> , 2019, 122, 063001.	2.9	64
20	The ultrafast Einsteinâ€“de Haas effect. <i>Nature</i> , 2019, 565, 209-212.	13.7	151
21	Pumpâ€“probe experimental methodology at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 685-691.	1.0	13
22	Experimental station Bernina at SwissFEL: condensed matter physics on femtosecond time scales investigated by X-ray diffraction and spectroscopic methods. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 874-886.	1.0	19
23	Measurement of the absolute number of photons of the hard X-ray beamline at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 320-327.	1.0	7
24	Pulse power measurements and attenuator characterization of the hard X-ray beamline at the Linac Coherent Light Source. , 2019, , .		0
25	Spatial Distortion of Vibration Modes via Magnetic Correlation of Impurities. <i>Physical Review Letters</i> , 2018, 120, 105501.	2.9	1
26	Solvent control of charge transfer excited state relaxation pathways in [Fe(2,2â€“bipyridine)(CN) <sub>4</sub> ] <sup>2+</sup> . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4238-4249.	1.3	52
27	Electronic and Structural Dynamics During the Switching of the Photomagnetic Complex [Fe(L <sub>222</sub> N <sub>5</sub> )(CN) <sub>2</sub> ]. <i>Chemistry - A European Journal</i> , 2018, 24, 5064-5069.	1.7	13
28	Dynamics of the photoinduced insulator-to-metal transition in a nickelate film. <i>Structural Dynamics</i> , 2018, 5, 064501.	0.9	12
29	Ultrafast terahertz field control of electronic and structural interactions in vanadium dioxide. <i>Physical Review B</i> , 2018, 98, .	1.1	49
30	Tuning and Tracking of Coherent Shear Waves in Molecular Films. <i>ACS Omega</i> , 2018, 3, 9929-9933.	1.6	4
31	Reply to â€œComment on â€“Ultrafast terahertz-field-driven ionic response in ferroelectric BaTiO <sub>3</sub> â€“â€“. <i>Physical Review B</i> , 2018, 97, .		
32	SwissFEL Aramis beamline photon diagnostics. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1238-1248.	1.0	29
33	Ultrafast reaction pathways in a metalloprotein revealed by optical polarization selected X-ray transient absorption spectroscopy and quantum mechanical calculations. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, a450-a450.	0.0	0
34	Drop-on-demand sample delivery for studying biocatalysts in action at X-ray free-electron lasers. <i>Nature Methods</i> , 2017, 14, 443-449.	9.0	150
35	Opportunities for Chemistry at the SwissFEL X-ray Free Electron Laser. <i>Chimia</i> , 2017, 71, 299.	0.3	11
36	Coherent structural trapping through wave packet dispersion during photoinduced spin state switching. <i>Nature Communications</i> , 2017, 8, 15342.	5.8	149

#	ARTICLE	IF	CITATIONS
37	Ligand manipulation of charge transfer excited state relaxation and spin crossover in [Fe(2,2'-bipyridine) <sub>2</sub> (CN) <sub>2</sub> ]. Structural Dynamics, 2017, 4, 044030.	0.9	41
38	Multiple Supersonic Phase Fronts Launched at a Complex-Oxide Heterointerface. Physical Review Letters, 2017, 118, 027401.	2.9	21
39	Nonlinear Electron-Phonon Coupling in Doped Manganites. Physical Review Letters, 2017, 118, 247601.	2.9	32
40	Ultrafast dynamics of two copper bis-phenanthroline complexes measured by x-ray transient absorption spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 154006.	0.6	12
41	Manipulating charge transfer excited state relaxation and spin crossover in iron coordination complexes with ligand substitution. Chemical Science, 2017, 8, 515-523.	3.7	102
42	Perspective: Opportunities for ultrafast science at SwissFEL. Structural Dynamics, 2017, 4, 061602.	0.9	40
43	THz streak camera method for synchronous arrival time measurement of two-color hard X-ray FEL pulses. Optics Express, 2017, 25, 2080.	1.7	23
44	SwissFEL: The Swiss X-ray Free Electron Laser. Applied Sciences (Switzerland), 2017, 7, 720.	1.3	272
45	ePix100 camera: Use and applications at LCLS. AIP Conference Proceedings, 2016, , .	0.3	14
46	Atomistic characterization of the active-site solvation dynamics of a model photocatalyst. Nature Communications, 2016, 7, 13678.	5.8	74
47	Activation of coherent lattice phonon following ultrafast molecular spin-state photo-switching: A molecule-to-lattice energy transfer. Structural Dynamics, 2016, 3, 023605.	0.9	28
48	Ultrafast energy- and momentum-resolved dynamics of magnetic correlations in the photo-doped Mott insulator Sr <sub>2</sub> IrO <sub>4</sub> . Nature Materials, 2016, 15, 601-605.	13.3	120
49	Imaging ultrafast excited state pathways in transition metal complexes by X-ray transient absorption and scattering using X-ray free electron laser source. Faraday Discussions, 2016, 194, 639-658.	1.6	10
50	Ultrafast terahertz-field-driven ionic response in ferroelectric $\text{BaTiO}_3$ . Physical Review B, 2016, 94, .	1.1	78
51	Photoinduced Enhancement of the Charge Density Wave Amplitude. Physical Review Letters, 2016, 117, 056401.	2.9	44
52	Femtosecond X-Ray Scattering Study of Ultrafast Photoinduced Structural Dynamics in Solvated $\text{Co}^{2+}$ . Physical Review Letters, 2016, 117, 056401.	2.9	86
53	Linac Coherent Light Source: The first five years. Reviews of Modern Physics, 2016, 88, .	16.4	477
54	Fixed target combined with spectral mapping: approaching 100% hit rates for serial crystallography. Acta Crystallographica Section D: Structural Biology, 2016, 72, 944-955.	1.1	71

#	ARTICLE	IF	CITATIONS
55	High-density grids for efficient data collection from multiple crystals. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 2-11.	1.1	62
56	Ultrafast Excited State Relaxation of a Metalloporphyrin Revealed by Femtosecond X-ray Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 8752-8764.	6.6	77
57	Acoustic Injectors for Drop-On-Demand Serial Femtosecond Crystallography. <i>Structure</i> , 2016, 24, 631-640.	1.6	88
58	Observing Solvation Dynamics with Simultaneous Femtosecond X-ray Emission Spectroscopy and X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1158-1168.	1.2	85
59	Phonon spectroscopy with sub-meV resolution by femtosecond x-ray diffuse scattering. <i>Physical Review B</i> , 2015, 92, .	1.1	34
60	Fixed target matrix for femtosecond time-resolved and in situ serial micro-crystallography. <i>Structural Dynamics</i> , 2015, 2, 054302.	0.9	102
61	Goniometer-based femtosecond X-ray diffraction of mutant 30S ribosomal subunit crystals. <i>Structural Dynamics</i> , 2015, 2, 041706.	0.9	1
62	Observing heme doming in myoglobin with femtosecond X-ray absorption spectroscopy. <i>Structural Dynamics</i> , 2015, 2, 041713.	0.9	45
63	High-resolution single-shot spectral monitoring of hard x-ray free-electron laser radiation. <i>Optica</i> , 2015, 2, 912.	4.8	44
64	Ultrafast Light-Induced Spin-State Trapping Photophysics Investigated in Fe(phen) <sub>2</sub> (NCS) <sub>2</sub> Spin-Crossover Crystal. <i>Accounts of Chemical Research</i> , 2015, 48, 774-781.	7.6	85
65	Ultrafast myoglobin structural dynamics observed with an X-ray free-electron laser. <i>Nature Communications</i> , 2015, 6, 6772.	5.8	157
66	Imaging transient melting of a nanocrystal using an X-ray laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7444-7448.	3.3	59
67	Correction of complex nonlinear signal response from a pixel array detector. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 584-591.	1.0	9
68	Disentangling detector data in XFEL studies of temporally resolved solution state chemistry. <i>Faraday Discussions</i> , 2015, 177, 443-465.	1.6	22
69	Focus characterization at an X-ray free-electron laser by coherent scattering and speckle analysis. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 599-605.	1.0	18
70	Demonstration of simultaneous experiments using thin crystal multiplexing at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 626-633.	1.0	20
71	Photon-in photon-out hard X-ray spectroscopy at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 612-620.	1.0	35
72	Imaging Molecular Motion: Femtosecond X-Ray Scattering of an Electrocyclic Chemical Reaction. <i>Physical Review Letters</i> , 2015, 114, 255501.	2.9	254

#	ARTICLE	IF	CITATIONS
73	Detailed Characterization of a Nanosecond-Lived Excited State: X-ray and Theoretical Investigation of the Quintet State in Photoexcited [Fe(terpy)] <sup>2+</sup> . Journal of Physical Chemistry C, 2015, 119, 5888-5902.	1.5	72
74	The creation of large-volume, gradient-free warm dense matter with an x-ray free-electron laser. Physics of Plasmas, 2015, 22, .	0.7	45
75	The X-ray Correlation Spectroscopy instrument at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2015, 22, 508-513.	1.0	54
76	The X-ray Pump-Probe instrument at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2015, 22, 503-507.	1.0	159
77	Visualization of nanocrystal breathing modes at extreme strains. Nature Communications, 2015, 6, 6577.	5.8	26
78	Nonlinear delayed symmetry breaking in a solid excited by hard x-ray free electron laser pulses. Applied Physics Letters, 2015, 106, 154101.	1.5	2
79	Architecture of the synaptotagmin SNARE machinery for neuronal exocytosis. Nature, 2015, 525, 62-67.	13.7	268
80	Direct observation of ultrafast collective motions in CO myoglobin upon ligand dissociation. Science, 2015, 350, 445-450.	6.0	344
81	Mapping the conformational landscape of a dynamic enzyme by multitemperature and XFEL crystallography. ELife, 2015, 4, .	2.8	143
82	Signal to noise considerations for single crystal femtosecond time resolved crystallography of the Photoactive Yellow Protein. Faraday Discussions, 2014, 171, 439-455.	1.6	19
83	Transient atomic structure of vibrationally excited YBCO with enhanced superconducting coherence above T <sub>c</sub> . , 2014, , .		1
84	Performance of a beam-multiplexing diamond crystal monochromator at the Linac Coherent Light Source. Review of Scientific Instruments, 2014, 85, 063106.	0.6	55
85	Sequential Activation of Molecular Breathing and Bending during Spin-Crossover Photoswitching Revealed by Femtosecond Optical and X-Ray Absorption Spectroscopy. Physical Review Letters, 2014, 113, 227402.	2.9	115
86	Nonlinear lattice dynamics as a basis for enhanced superconductivity in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> . Nature, 2014, 516, 71-73.	13.7	391
87	Spectral encoding method for measuring the relative arrival time between x-ray/optical pulses. Review of Scientific Instruments, 2014, 85, 083116.	0.6	62
88	Demonstration of Single-Crystal Self-Seeded Two-Color X-Ray Free-Electron Lasers. Physical Review Letters, 2014, 113, 254801.	2.9	85
89	Tracking excited-state charge and spin dynamics in iron coordination complexes. Nature, 2014, 509, 345-348.	13.7	382
90	Goniometer-based femtosecond crystallography with X-ray free electron lasers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17122-17127.	3.3	122

#	ARTICLE	IF	CITATIONS
91	All-diamond optical assemblies for a beam-multiplexing X-ray monochromator at the Linac Coherent Light Source. <i>Journal of Applied Crystallography</i> , 2014, 47, 1329-1336.	1.9	39
92	A time-dependent order parameter for ultrafast photoinduced phase transitions. <i>Nature Materials</i> , 2014, 13, 923-927.	13.3	214
93	Real-Time Visualization of Nanocrystal Solid-Solid Transformation Pathways. <i>Nano Letters</i> , 2014, 14, 1995-1999.	4.5	24
94	Intensity interferometry measurements with hard x-ray FEL pulses at the Linac Coherent Light Source. , 2014, , .		3
95	Studies of the ePix100 low-noise x-ray camera at SLAC. , 2014, , .		4
96	Characterization of the ePix10k camera at SSRL and LCLS. , 2014, , .		4
97	Evidence for a glassy state in strongly driven carbon. <i>Scientific Reports</i> , 2014, 4, 5214.	1.6	28
98	Molecular Weight Dependence of Exciton Diffusion in Poly(3-hexylthiophene). <i>Advanced Energy Materials</i> , 2013, 3, 1445-1453.	10.2	36
99	Displacive lattice excitation through nonlinear phononics viewed by femtosecond X-ray diffraction. <i>Solid State Communications</i> , 2013, 169, 24-27.	0.9	48
100	Spin-state studies with XES and RIXS: From static to ultrafast. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 188, 166-171.	0.8	87
101	Fourier-transform inelastic X-ray scattering from time- and momentum-dependent phonon-phonon correlations. <i>Nature Physics</i> , 2013, 9, 790-794.	6.5	149
102	Ultrafast Three-Dimensional Imaging of Lattice Dynamics in Individual Gold Nanocrystals. <i>Science</i> , 2013, 341, 56-59.	6.0	264
103	Femtosecond X-ray Absorption Spectroscopy at a Hard X-ray Free Electron Laser: Application to Spin Crossover Dynamics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 735-740.	1.1	183
104	CSPAD-140k: A versatile detector for LCLS experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 718, 550-553.	0.7	106
105	Achieving few-femtosecond time-sorting at hard X-ray free-electron lasers. <i>Nature Photonics</i> , 2013, 7, 215-218.	15.6	323
106	Self-Assembly and Near Perfect Macroscopic Alignment of Fluorescent Triangulenium Salt in Spin-Cast Thin Films on PTFE. <i>Langmuir</i> , 2013, 29, 6728-6736.	1.6	14
107	Toward Highlighting the Ultrafast Electron Transfer Dynamics at the Optically Dark Sites of Photocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1972-1976.	2.1	49
108	Single shot speckle and coherence analysis of the hard X-ray free electron laser LCLS. <i>Optics Express</i> , 2013, 21, 24647.	1.7	37

#	ARTICLE	IF	CITATIONS
109	Recent development of thin diamond crystals for X-ray FEL beam-sharing. Proceedings of SPIE, 2013, , .	0.8	8
110	Femtosecond optical/hard X-ray timing diagnostics at an FEL: implementation and performance. Proceedings of SPIE, 2013, , .	0.8	14
111	Measurements at synchrotrons and FELs: Some differences observed with the CSPAD. , 2013, , .		1
112	Performance of an LPD prototype detector at MHz frame rates under Synchrotron and FEL radiation. Journal of Instrumentation, 2013, 8, C11001-C11001.	0.5	34
113	Experimental Measurements of Ultra-Thin Bragg Crystals for LCLS Beam-Sharing Operation. Journal of Physics: Conference Series, 2013, 425, 052002.	0.3	4
114	Design and operation of a hard x-ray transmissive single-shot spectrometer at LCLS. Journal of Physics: Conference Series, 2013, 425, 052033.	0.3	9
115	Ultrafast laser-induced melting and ablation studied by time-resolved diffuse X-ray scattering. EPJ Web of Conferences, 2013, 41, 04013.	0.1	5
116	X-ray / Optical Sum Frequency Generation. , 2013, , .		0
117	Plasma switch as a temporal overlap tool for pump-probe experiments at FEL facilities. Journal of Instrumentation, 2012, 7, P08007-P08007.	0.5	3
118	A hard x-ray transmissive single-shot spectrometer for FEL sources. , 2012, , .		5
119	Ultra-thin Bragg crystals for LCLS beam-sharing operation. Proceedings of SPIE, 2012, , .	0.8	4
120	Single-shot analysis of hard x-ray laser radiation using a noninvasive grating spectrometer. Optics Letters, 2012, 37, 5073.	1.7	33
121	Sub-10 fs RMS Measurement of X-Ray/Optical Delay. , 2012, , .		0
122	A single-shot transmissive spectrometer for hard x-ray free electron lasers. Applied Physics Letters, 2012, 101, .	1.5	129
123	High Contrast X-ray Speckle from Atomic-Scale Order in Liquids and Glasses. Physical Review Letters, 2012, 109, 185502.	2.9	97
124	Single Shot Spatial and Temporal Coherence Properties of the SLAC Linac Coherent Light Source in the Hard X-Ray Regime. Physical Review Letters, 2012, 108, 024801.	2.9	115
125	Spectral encoding based measurement of x-ray/optical relative delay to ~10 fs rms. Proceedings of SPIE, 2012, , .	0.8	7
126	X-ray and optical wave mixing. Nature, 2012, 488, 603-608.	13.7	199



#	ARTICLE	IF	CITATIONS
127	Ultrafast Photovoltaic Response in Ferroelectric Nanolayers. <i>Physical Review Letters</i> , 2012, 108, 087601.	2.9	150
128	Guest-Host Interactions Investigated by Time-Resolved X-ray Spectroscopies and Scattering at MHz Rates: Solvation Dynamics and Photoinduced Spin Transition in Aqueous Fe(bipy) <sub>3</sub> <sup>2+</sup> . <i>Journal of Physical Chemistry A</i> , 2012, 116, 9878-9887.	1.1	112
129	The CSPAD megapixel x-ray camera at LCLS. <i>Proceedings of SPIE</i> , 2012, , .	0.8	99
130	Spectral encoding of x-ray/optical relative delay. <i>Optics Express</i> , 2011, 19, 21855.	1.7	119
131	A single-shot intensity-position monitor for hard x-ray FEL sources. <i>Proceedings of SPIE</i> , 2011, , .	0.8	34
132	High Mobility Ambipolar Charge Transport in Polyselenophene Conjugated Polymers. <i>Advanced Materials</i> , 2010, 22, 2371-2375.	11.1	178
133	Raster microdiffraction with synchrotron radiation of hydrated biopolymers with nanometre step-resolution: case study of starch granules. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 743-750.	1.0	29
134	Direct Observation of Acoustic Oscillations in InAs Nanowires. <i>Nano Letters</i> , 2010, 10, 2461-2465.	4.5	39
135	High-Performance Solution-Deposited Ambipolar Organic Transistors Based on Terrylene Diimides. <i>Chemistry of Materials</i> , 2010, 22, 2120-2124.	3.2	69
136	Solution-Based Fabrication of Single-Crystalline Arrays of Organic Nanowires. <i>Langmuir</i> , 2010, 26, 1130-1136.	1.6	50
137	Picosecond time-resolved laser pump/X-ray probe experiments using a gated single-photon-counting area detector. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 387-390.	1.0	58
138	Comment on "Theoretical Investigation of Perylene Dimers and Excimers and Their Signatures in X-Ray Diffraction". <i>Journal of Physical Chemistry A</i> , 2009, 113, 6849-6850.	1.1	10
139	Simulating X-ray diffraction of textured films. <i>Journal of Applied Crystallography</i> , 2008, 41, 262-271.	1.9	114
140	Theoretical Investigation of Perylene Dimers and Excimers and Their Signatures in X-Ray Diffraction. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8179-8187.	1.1	17
141	X-ray Diffraction Study of Directionally Grown Perylene Crystallites. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4569-4572.	1.5	5
142	Negative Poisson Ratio of Crystalline Cellulose in Kraft Cooked Norway Spruce. <i>Biomacromolecules</i> , 2006, 7, 1521-1528.	2.6	45
143	Structural Processes during Starch Granule Hydration by Synchrotron Radiation Microdiffraction. <i>Biomacromolecules</i> , 2004, 5, 1316-1324.	2.6	46