

Henrik Lemke

List of Publications by Year in descending order

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143
papers

9,925
citations

28242

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h-index

36008

97
g-index

146
all docs

146
docs citations

146
times ranked

9823
citing authors

#	ARTICLE	IF	CITATIONS
1	Linac Coherent Light Source: The first five years. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	477
2	Nonlinear lattice dynamics as a basis for enhanced superconductivity in YBa ₂ Cu ₃ O _{6.5} . <i>Nature</i> , 2014, 516, 71-73.	13.7	391
3	Tracking excited-state charge and spin dynamics in iron coordination complexes. <i>Nature</i> , 2014, 509, 345-348.	13.7	382
4	Direct observation of ultrafast collective motions in CO myoglobin upon ligand dissociation. <i>Science</i> , 2015, 350, 445-450.	6.0	344
5	Achieving few-femtosecond time-sorting at hard X-ray free-electron lasers. <i>Nature Photonics</i> , 2013, 7, 215-218.	15.6	323
6	SwissFEL: The Swiss X-ray Free Electron Laser. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 720.	1.3	272
7	Architecture of the synaptotagminâ€“SNARE machinery for neuronal exocytosis. <i>Nature</i> , 2015, 525, 62-67.	13.7	268
8	Ultrafast Three-Dimensional Imaging of Lattice Dynamics in Individual Gold Nanocrystals. <i>Science</i> , 2013, 341, 56-59.	6.0	264
9	Imaging Molecular Motion: Femtosecond X-Ray Scattering of an Electrocyclic Chemical Reaction. <i>Physical Review Letters</i> , 2015, 114, 255501.	2.9	254
10	A time-dependent order parameter for ultrafast photoinduced phase transitions. <i>Nature Materials</i> , 2014, 13, 923-927.	13.3	214
11	X-ray and optical wave mixing. <i>Nature</i> , 2012, 488, 603-608.	13.7	199
12	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
13	High Mobility Ambipolar Charge Transport in Polyselenophene Conjugated Polymers. <i>Advanced Materials</i> , 2010, 22, 2371-2375.	11.1	178
14	The X-ray Pumpâ€“Probe instrument at the Linacâ€“Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 503-507.	1.0	159
15	Ultrafast myoglobin structural dynamics observed with an X-ray free-electron laser. <i>Nature Communications</i> , 2015, 6, 6772.	5.8	157
16	The ultrafast Einsteinâ€“de Haas effect. <i>Nature</i> , 2019, 565, 209-212.	13.7	151
17	Ultrafast Photovoltaic Response in Ferroelectric Nanolayers. <i>Physical Review Letters</i> , 2012, 108, 087601.	2.9	150
18	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

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19	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
20	Coherent structural trapping through wave packet dispersion during photoinduced spin state switching. <i>Nature Communications</i> , 2017, 8, 15342.	5.8	149
21	Mapping the conformational landscape of a dynamic enzyme by multitemperature and XFEL crystallography. <i>ELife</i> , 2015, 4, .	2.8	143
22	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
23	A single-shot transmissive spectrometer for hard x-ray free electron lasers. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	129
24	Goniometer-based femtosecond crystallography with X-ray free electron lasers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17122-17127.	3.3	122
25	Ultrafast energy- and momentum-resolved dynamics of magnetic correlations in the photo-doped Mott insulator Sr ₂ IrO ₄ . <i>Nature Materials</i> , 2016, 15, 601-605.	13.3	120
26	Femtosecond x-ray diffraction reveals a liquid-liquid phase transition in phase-change materials. <i>Science</i> , 2019, 364, 1062-1067.	6.0	120
27	Spectral encoding of x-ray/optical relative delay. <i>Optics Express</i> , 2011, 19, 21855.	1.7	119
28	Single Shot Spatial and Temporal Coherence Properties of the SLAC Linac Coherent Light Source in the Hard X-Ray Regime. <i>Physical Review Letters</i> , 2012, 108, 024801.	2.9	115
29	Sequential Activation of Molecular Breathing and Bending during Spin-Crossover Photoswitching Revealed by Femtosecond Optical and X-Ray Absorption Spectroscopy. <i>Physical Review Letters</i> , 2014, 113, 227402.	2.9	115
30	Simulating X-ray diffraction of textured films. <i>Journal of Applied Crystallography</i> , 2008, 41, 262-271.	1.9	114
31	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) ₃ ²⁺ . <i>Journal of Physical Chemistry A</i> , 2012, 116, 9878-9887.	1.1	112
32	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
33	Fixed target matrix for femtosecond time-resolved and in situ serial micro-crystallography. <i>Structural Dynamics</i> , 2015, 2, 054302.	0.9	102
34	Manipulating charge transfer excited state relaxation and spin crossover in iron coordination complexes with ligand substitution. <i>Chemical Science</i> , 2017, 8, 515-523.	3.7	102
35	The CSPAD megapixel x-ray camera at LCLS. <i>Proceedings of SPIE</i> , 2012, , .	0.8	99
36	High Contrast X-ray Speckle from Atomic-Scale Order in Liquids and Glasses. <i>Physical Review Letters</i> , 2012, 109, 185502.	2.9	97

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37	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
38	Acoustic Injectors for Drop-On-Demand Serial Femtosecond Crystallography. <i>Structure</i> , 2016, 24, 631-640.	1.6	88
39	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
40	Femtosecond X-Ray Scattering Study of Ultrafast Photoinduced Structural Dynamics in Solvated $\text{Co}(\text{phen})_2(\text{NCS})_2$ Spin-Crossover Crystal. <i>Accounts of Chemical Research</i> , 2015, 48, 774-781.	2.9	86
41	Demonstration of Single-Crystal Self-Seeded Two-Color X-Ray Free-Electron Lasers. <i>Physical Review Letters</i> , 2014, 113, 254801.	2.9	85
42	Ultrafast Light-Induced Spin-State Trapping Photophysics Investigated in $\text{Fe}(\text{phen})_2(\text{NCS})_2$ Spin-Crossover Crystal. <i>Accounts of Chemical Research</i> , 2015, 48, 774-781.	7.6	85
43	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
44	Ultrafast terahertz-field-driven ionic response in ferroelectric BaTiO_3 . <i>Physical Review B</i> , 2016, 94, .	1.1	78
45	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
46	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
47	Atomistic characterization of the active-site solvation dynamics of a model photocatalyst. <i>Nature Communications</i> , 2016, 7, 13678.	5.8	74
48	Detailed Characterization of a Nanosecond-Lived Excited State: X-ray and Theoretical Investigation of the Quintet State in Photoexcited $[\text{Fe}(\text{terpy})_2]^{2+}$. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5888-5902.	1.5	72
49	Fixed target combined with spectral mapping: approaching 100% hit rates for serial crystallography. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 944-955.	1.1	71
50	High-Performance Solution-Deposited Ambipolar Organic Transistors Based on Terrylene Diimides. <i>Chemistry of Materials</i> , 2010, 22, 2120-2124.	3.2	69
51	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
52	Spectral encoding method for measuring the relative arrival time between x-ray/optical pulses. <i>Review of Scientific Instruments</i> , 2014, 85, 083116.	0.6	62
53	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
54	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

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55	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
56	Performance of a beam-multiplexing diamond crystal monochromator at the Linac Coherent Light Source. <i>Review of Scientific Instruments</i> , 2014, 85, 063106.	0.6	55
57	The X-ray Correlation Spectroscopy instrument at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 508-513.	1.0	54
58	Solvent control of charge transfer excited state relaxation pathways in $[\text{Fe}(\text{2,2}'\text{-bipyridine})_2(\text{CN})_4]^{2+}$. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4238-4249.	1.3	52
59	Solution-Based Fabrication of Single-Crystalline Arrays of Organic Nanowires. <i>Langmuir</i> , 2010, 26, 1130-1136.	1.6	50
60	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
61	Ultrafast terahertz field control of electronic and structural interactions in vanadium dioxide. <i>Physical Review B</i> , 2018, 98, .	1.1	49
62	Displacive lattice excitation through nonlinear phononics viewed by femtosecond X-ray diffraction. <i>Solid State Communications</i> , 2013, 169, 24-27.	0.9	48
63	Structural Processes during Starch Granule Hydration by Synchrotron Radiation Microdiffraction. <i>Biomacromolecules</i> , 2004, 5, 1316-1324.	2.6	46
64	Negative Poisson Ratio of Crystalline Cellulose in Kraft Cooked Norway Spruce. <i>Biomacromolecules</i> , 2006, 7, 1521-1528.	2.6	45
65	Observing heme doming in myoglobin with femtosecond X-ray absorption spectroscopy. <i>Structural Dynamics</i> , 2015, 2, 041713.	0.9	45
66	The creation of large-volume, gradient-free warm dense matter with an x-ray free-electron laser. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	45
67	High-resolution single-shot spectral monitoring of hard x-ray free-electron laser radiation. <i>Optica</i> , 2015, 2, 912.	4.8	44
68	Photoinduced Enhancement of the Charge Density Wave Amplitude. <i>Physical Review Letters</i> , 2016, 117, 056401.	2.9	44
69	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
70	Ligand manipulation of charge transfer excited state relaxation and spin crossover in $[\text{Fe}(\text{2,2}'\text{-bipyridine})_2(\text{CN})_2]$. <i>Structural Dynamics</i> , 2017, 4, 044030.	0.9	41
71	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
72	Perspective: Opportunities for ultrafast science at SwissFEL. <i>Structural Dynamics</i> , 2017, 4, 061602.	0.9	40

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73	Direct Observation of Acoustic Oscillations in InAs Nanowires. <i>Nano Letters</i> , 2010, 10, 2461-2465.	4.5	39
74	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
75	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
76	Molecular Weight Dependence of Exciton Diffusion in Poly(3-hexylthiophene). <i>Advanced Energy Materials</i> , 2013, 3, 1445-1453.	10.2	36
77	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
78	A single-shot intensity-position monitor for hard x-ray FEL sources. <i>Proceedings of SPIE</i> , 2011, , .	0.8	34
79	Performance of an LPD prototype detector at MHz frame rates under Synchrotron and FEL radiation. <i>Journal of Instrumentation</i> , 2013, 8, C11001-C11001.	0.5	34
80	Phonon spectroscopy with sub-meV resolution by femtosecond x-ray diffuse scattering. <i>Physical Review B</i> , 2015, 92, .	1.1	34
81	Single-shot analysis of hard x-ray laser radiation using a noninvasive grating spectrometer. <i>Optics Letters</i> , 2012, 37, 5073.	1.7	33
82	Nonlinear Electron-Phonon Coupling in Doped Manganites. <i>Physical Review Letters</i> , 2017, 118, 247601.	2.9	32
83	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	15.6	31
84	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
85	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
86	SwissFEL Aramis beamline photon diagnostics. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1238-1248.	1.0	29
87	Evidence for a glassy state in strongly driven carbon. <i>Scientific Reports</i> , 2014, 4, 5214.	1.6	28
88	Activation of coherent lattice phonon following ultrafast molecular spin-state photo-switching: A molecule-to-lattice energy transfer. <i>Structural Dynamics</i> , 2016, 3, 023605.	0.9	28
89	Visualization of nanocrystal breathing modes at extreme strains. <i>Nature Communications</i> , 2015, 6, 6577.	5.8	26
90	Real-Time Visualization of Nanocrystal Solid-Solid Transformation Pathways. <i>Nano Letters</i> , 2014, 14, 1995-1999.	4.5	24

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91	THz streak camera method for synchronous arrival time measurement of two-color hard X-ray FEL pulses. <i>Optics Express</i> , 2017, 25, 2080.	1.7	23
92	Disentangling detector data in XFEL studies of temporally resolved solution state chemistry. <i>Faraday Discussions</i> , 2015, 177, 443-465.	1.6	22
93	Multiple Supersonic Phase Fronts Launched at a Complex-Oxide Heterointerface. <i>Physical Review Letters</i> , 2017, 118, 027401.	2.9	21
94	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
95	Signal to noise considerations for single crystal femtosecond time resolved crystallography of the Photoactive Yellow Protein. <i>Faraday Discussions</i> , 2014, 171, 439-455.	1.6	19
96	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
97	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
98	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
99	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
100	Femtosecond optical/hard X-ray timing diagnostics at an FEL: implementation and performance. <i>Proceedings of SPIE</i> , 2013, , .	0.8	14
101	ePix100 camera: Use and applications at LCLS. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	14
102	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
103	Electronic and Structural Dynamics During the Switching of the Photomagnetic Complex [Fe(L ₂₂₂ N ₅)(CN) ₂]. <i>Chemistry - A European Journal</i> , 2018, 24, 5064-5069.	1.7	13
104	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
105	Pump-probe experimental methodology at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 685-691.	1.0	13
106	Ultrafast dynamics of two copper bis-phenanthroline complexes measured by x-ray transient absorption spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 154006.	0.6	12
107	Dynamics of the photoinduced insulator-to-metal transition in a nickelate film. <i>Structural Dynamics</i> , 2018, 5, 064501.	0.9	12
108	Opportunities for Chemistry at the SwissFEL X-ray Free Electron Laser. <i>Chimia</i> , 2017, 71, 299.	0.3	11

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109	Room temperature XFEL crystallography reveals asymmetry in the vicinity of the two phylloquinones in photosystem I. <i>Scientific Reports</i> , 2021, 11, 21787.	1.6	11
110	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
111	Imaging ultrafast excited state pathways in transition metal complexes by X-ray transient absorption and scattering using X-ray free electron laser source. <i>Faraday Discussions</i> , 2016, 194, 639-658.	1.6	10
112	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
113	Design and operation of a hard x-ray transmissive single-shot spectrometer at LCLS. <i>Journal of Physics: Conference Series</i> , 2013, 425, 052033.	0.3	9
114	Correction of complex nonlinear signal response from a pixel array detector. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 584-591.	1.0	9
115	Recent development of thin diamond crystals for X-ray FEL beam-sharing. <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
116	Spectral encoding based measurement of x-ray/optical relative delay to ~10 fs rms. <i>Proceedings of SPIE</i> , 2012, , .	0.8	7
117	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
118	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
119	X-ray Diffraction Study of Directionally Grown Perylene Crystallites. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4569-4572.	1.5	5
120	A hard x-ray transmissive single-shot spectrometer for FEL sources. , 2012, , .		5
121	Ultrafast laser-induced melting and ablation studied by time-resolved diffuse X-ray scattering. <i>EPJ Web of Conferences</i> , 2013, 41, 04013.	0.1	5
122	Ultra-thin Bragg crystals for LCLS beam-sharing operation. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
123	Experimental Measurements of Ultra-Thin Bragg Crystals for LCLS Beam-Sharing Operation. <i>Journal of Physics: Conference Series</i> , 2013, 425, 052002.	0.3	4
124	Studies of the ePix100 low-noise x-ray camera at SLAC. , 2014, , .		4
125	Characterization of the ePix10k camera at SSRL and LCLS. , 2014, , .		4
126	Tuning and Tracking of Coherent Shear Waves in Molecular Films. <i>ACS Omega</i> , 2018, 3, 9929-9933.	1.6	4

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127	Plasma switch as a temporal overlap tool for pump-probe experiments at FEL facilities. Journal of Instrumentation, 2012, 7, P08007-P08007.	0.5	3
128	Intensity interferometry measurements with hard x-ray FEL pulses at the Linac Coherent Light Source. , 2014, , .		3
129	New insights into correlated materials in the time domain" combining far-infrared excitation with x-ray probes at cryogenic temperatures. Journal of Physics Condensed Matter, 2021, 33, 374001.	0.7	3
130	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
131	Ultrafast electron localization in the EuNi ₂ (Si _{0.21} Ge _{0.79}) ₂ correlated metal. Physical Review Research, 2021, 3, .	1.3	2
132	Measurements at synchrotrons and FELs: Some differences observed with the CSPAD. , 2013, , .		1
133	Transient atomic structure of vibrationally excited YBCO with enhanced superconducting coherence above T _c . , 2014, , .		1
134	Goniometer-based femtosecond X-ray diffraction of mutant 30S ribosomal subunit crystals. Structural Dynamics, 2015, 2, 041706.	0.9	1
135	Spatial Distortion of Vibration Modes via Magnetic Correlation of Impurities. Physical Review Letters, 2018, 120, 105501.	2.9	1
136	Reply to "Comment on "Ultrafast terahertz-field-driven ionic response in ferroelectric BaTiO ₃ " Physical Review B, 2018, 97, .		
137	Sub-10 fs RMS Measurement of X-Ray/Optical Delay. , 2012, , .		0
138	Mapping spin-correlations with hard X-ray free-electron laser. EPJ Web of Conferences, 2019, 205, 07007.	0.1	0
139	X-ray / Optical Sum Frequency Generation. , 2013, , .		0
140	Ultrafast reaction pathways in a metalloprotein revealed by optical polarization selected X-ray transient absorption spectroscopy and quantum mechanical calculations. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a450-a450.	0.0	0
141	Pulse power measurements and attenuator characterization of the hard X-ray beamline at the Linac Coherent Light Source. , 2019, , .		0
142	Optical second harmonic generation in LiB ₃ O ₅ modulated by intense femtosecond X-ray pulses. Optics Express, 2020, 28, 11117.	1.7	0
143	Melting of magnetic order in NaOsO ₃ by femtosecond laser pulses. Physical Review B, 2022, 105, .		