H N Chapman

List of Publications by Year
in descending order

395 papers	26,686 citations	6606 79 h-index	6990 154 g-index
410 all docs	410 docs citations	410 times ranked	13437 citing authors

#	Article	IF	Citations
1	Co-flow injection for serial crystallography at X-ray free-electron lasers. Journal of Applied Crystallography, 2022, 55, 1-13.	1.9	12
2	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. IUCrJ, 2022, 9, 204-214.	1.0	9
3	Optical Funnel to Guide and Focus Virus Particles for X-Ray Diffractive Imaging. Physical Review Applied, 2022, 17, .	1.5	0
4	Numerical Simulation of Heat Load for Multilayer Laue Lens under Exposure to XFEL Pulse Trains. Photonics, 2022, 9, 362.	0.9	1
5	Robust ptychographic X-ray speckle tracking with multilayer Laue lenses. Optics Express, 2022, 30, 25450.	1.7	1
6	Precise wavefront characterization of x-ray optical elements using a laboratory source. Review of Scientific Instruments, 2022, 93, 073704.	0.6	1
7	C-phycocyanin as a highly attractive model system in protein crystallography: unique crystallization properties and packing-diversity screening. Acta Crystallographica Section D: Structural Biology, 2021, 77, 224-236.	1.1	5
8	Femtosecond Single-Particle Diffractive Imaging of 3D DNA-Origami Molecular Scaffolds with XFEL Pulses. Biophysical Journal, 2021, 120, 265a.	0.2	0
9	Synchronous RNA conformational changes trigger ordered phase transitions in crystals. Nature Communications, 2021, 12, 1762.	5.8	17
10	X-ray-Based Techniques to Study the Nanoâ€“Bio Interface. ACS Nano, 2021, 15, 3754-3807.	7.3	60
11	Scanning Compton X-ray microscopy. Optics Letters, 2021, 46, 1920.	1.7	4
12	X-ray screening identifies active site and allosteric inhibitors of SARS-CoV-2 main protease. Science, 2021, 372, 642-646.	6.0	240
13	High-resolution achromatic X-ray optical systems for broad-band imaging and for focusing attosecond pulses. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210334.	1.0	2
14	The Natural Breakup Length of a Steady Capillary Jet: Application to Serial Femtosecond Crystallography. Crystals, 2021, 11, 990.	1.0	6
15	John C. H. Spence (1946â€“2021). IUCrJ, 2021, 8, 705-708.	1.0	2
16	Data reduction for serial crystallography using a robust peak finder. Journal of Applied Crystallography, 2021, 54, 1360-1378.	1.9	10
17	Optical bunching of particles in a liquid flow. Optics Express, 2021, 29, 34394.	1.7	3
18	Observation of substrate diffusion and ligand binding in enzyme crystals using high-repetition-rate mix-and-inject serial crystallography. IUCrJ, 2021, 8, 878-895.	1.0	44

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19	Macromolecular phasing using diffraction from multiple crystal forms. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, 19-35.	0.0	3
20	Analysis of X-ray multilayer Laue lenses made by masked deposition. Optics Express, 2021, 29, 3097.	1.7	11
21	3D diffractive imaging of nanoparticle ensembles using an x-ray laser. Optica, 2021, 8, 15.	4.8	48
22	Time-resolved serial femtosecond crystallography at the European XFEL. Nature Methods, 2020, 17, 73-78.	9.0	110
23	Segmented flow generator for serial crystallography at the European X-ray free electron laser. Nature Communications, 2020, 11, 4511.	5.8	27
24	Diffraction data from aerosolized Coliphage PR772 virus particles imaged with the Linac Coherent Light Source. Scientific Data, 2020, 7, 404.	2.4	6
25	Megahertz single-particle imaging at the European XFEL. Communications Physics, 2020, 3, .	2.0	58
26	X-ray diffractive imaging of controlled gas-phase molecules: Toward imaging of dynamics in the molecular frame. Journal of Chemical Physics, 2020, 152, 084307.	1.2	24
27	DNA-Origami-Assisted Flow-Aligned Single-Particle Diffractive Imaging using XFEL Pulses. Biophysical Journal, 2020, 118, 137a-138a.	0.2	0
28	In cellulo crystallization of Trypanosoma brucei IMP dehydrogenase enables the identification of genuine co-factors. Nature Communications, 2020, 11, 620.	5.8	24
29	Ultracompact 3D microfluidics for time-resolved structural biology. Nature Communications, 2020, 11, 657.	5.8	106
30	Photon statistics and signal to noise ratio for incoherent diffraction imaging. New Journal of Physics, 2020, 22, 083070.	1.2	9
31	A ray-trace analysis of x-ray multilayer Laue lenses for nanometer focusing. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Over	1.0	15
32	Ptychographic X-ray speckle tracking. Journal of Applied Crystallography, 2020, 53, 760-780.	1.9	11
33	Ptychographic X-ray speckle tracking with multi-layer Laue lens systems. Journal of Applied Crystallography, 2020, 53, 927-936.	1.9	11
34	speckle-tracking: a software suite for ptychographic X-ray speckle tracking. Journal of Applied Crystallography, 2020, 53, 1603-1612.	1.9	4
35	Crystal structures of native cytochrome c ₆ from Thermosynechococcus elongatus in two different space groups and implications for its oligomerization. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 444-452.	0.4	4
36	pinkIndexer â€“ a universal indexer for pink-beam X-ray and electron diffraction snapshots. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, 121-131.	0.0	28

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37	Femtosecond timing synchronization at megahertz repetition rates for an x-ray free-electron laser. Optica, 2020, 7, 716.	4.8	16
38	Imaging of Objects by Coherent Diffraction of X-Ray Free-Electron Laser Pulses. , 2020, , 1337-1397.		2
39	Experimental evaluation of numerical modelling of a first-order Bessel-Gaussian optical funnel. , 2020, , .		0
40	New insights into the crystallization of polymorphic materials: from real-time serial crystallography to luminescence analysis. Reaction Chemistry and Engineering, 2019, 4, 1757-1767.	1.9	8
41	Coherent diffractive imaging of microtubules using an X-ray laser. Nature Communications, 2019, 10, 2589.	5.8	22
42	Membrane protein megahertz crystallography at the European XFEL. Nature Communications, 2019, 10, 5021.	5.8	47
43	Aerodynamically stabilized Taylor cone jets. Physical Review E, 2019, 100, 031101.	0.8	11
44	Computed stereo lensless X-ray imaging. Nature Photonics, 2019, 13, 449-453.	15.6	12
45	3D printed nozzles on a silicon fluidic chip. Review of Scientific Instruments, 2019, 90, 035108.	0.6	14
46	Ab initio phasing using diffraction data from different crystal forms. , 2019, , .		0
47	Evaluation of serial crystallographic structure determination within megahertz pulse trains. Structural Dynamics, 2019, 6, 064702.	0.9	26
48	X-ray Emission Spectroscopy at X-ray Free Electron Lasers: Limits to Observation of the Classical Spectroscopic Response for Electronic Structure Analysis. Journal of Physical Chemistry Letters, 2019, 10, 441-446.	2.1	8
49	X-Ray Free-Electron Lasers for the Structure and Dynamics of Macromolecules. Annual Review of Biochemistry, 2019, 88, 35-58.	5.0	120
50	Wavefront sensing at X-ray free-electron lasers. Journal of Synchrotron Radiation, 2019, 26, 1115-1126.	1.0	30
51	On-chip crystallization for serial crystallography experiments and on-chip ligand-binding studies. IUCrJ, 2019, 6, 714-728.	1.0	41
52	1 kHz fixed-target serial crystallography using a multilayer monochromator and an integrating pixel detector. IUCrJ, 2019, 6, 927-937.	1.0	35
53	Ab initiophasing of the diffraction of crystals with translational disorder. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 25-40.	0.0	15
54	XGANDALF â€“ extended gradient descent algorithm for lattice finding. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 694-704.	0.0	80

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55	Multilayer Laue lenses at high X-ray energies: performance and applications. Optics Express, 2019, 27, 7120.	1.7	25
56	Low-signal limit of X-ray single particle diffractive imaging. Optics Express, 2019, 27, 37816.	1.7	32
57	Initial observations of the femtosecond timing jitter at the European XFEL. Optics Letters, 2019, 44, 1650.	1.7	17
58	Megahertz x-ray microscopy at x-ray free-electron laser and synchrotron sources. Optica, 2019, 6, 1106.	4.8	41
59	One step co-purification and crystallization of three soluble proteins from cyanobacteria, the unique crystallization properties of C-phycocyanin. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e66-e66.	0.0	0
60	Femtosecond X-ray Fourier holography imaging of free-flying nanoparticles. Nature Photonics, 2018, 12, 150-153.	15.6	58
61	X-ray and UV radiation-damage-induced phasing using synchrotron serial crystallography. Acta Crystallographica Section D: Structural Biology, 2018, 74, 366-378.	1.1	10
62	FreeDam â€“ A webtool for free-electron laser-induced damage in femtosecond X-ray crystallography. High Energy Density Physics, 2018, 26, 93-98.	0.4	10
63	Supersaturation-controlled microcrystallization and visualization analysis for serial femtosecond crystallography. Scientific Reports, 2018, 8, 2541.	1.6	4
64	Femtosecond X-ray diffraction from an aerosolized beam of protein nanocrystals. Journal of Applied Crystallography, 2018, 51, 133-139.	1.9	18
65	Transferring the entatic-state principle to copper photochemistry. Nature Chemistry, 2018, 10, 355-362.	6.6	59
66	Development of a ceramic injection molding process for liquid jet nozzles to be applied for X-ray free-electron lasers. Microsystem Technologies, 2018, 24, 1247-1252.	1.2	8
67	Coherent Hard X-ray Multiprojection Imaging. Microscopy and Microanalysis, 2018, 24, 52-53.	0.2	4
68	Scanning Compton X-ray Microscopy. Microscopy and Microanalysis, 2018, 24, 182-183.	0.2	1
69	Analysis of Fibrous Assembly Orientations from XFEL Diffraction Data. , 2018, , .		0
70	Radiation damage free ghost diffraction with atomic resolution. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 025503.	0.6	8
71	Megahertz serial crystallography. Nature Communications, 2018, 9, 4025.	5.8	147
72	A detector for the sources. Nature Methods, 2018, 15, 774-775.	9.0	3

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73	Considerations for three-dimensional image reconstruction from experimental data in coherent diffractive imaging. IUCrJ, 2018, 5, 531-541.	1.0	40
74	CAMP@FLASH: an end-station for imaging, electron- and ion-spectroscopy, and pumpâ€“probe experiments at the FLASH free-electron laser. Journal of Synchrotron Radiation, 2018, 25, 1529-1540.	1.0	37
75	Single-particle imaging without symmetry constraints at an X-ray free-electron laser. IUCrJ, 2018, 5, 727-736.	1.0	63
76	Microfluidic Chips for In Situ Crystal X-ray Diffraction and In Situ Dynamic Light Scattering for Serial Crystallography. Journal of Visualized Experiments, 2018, , .	0.2	16
77	X-ray focusing with efficient high-NA multilayer Laue lenses. Light: Science and Applications, 2018, 7, 17162-17162.	7.7	114
78	Ultrafast nonthermal heating of water initiated by an X-ray Free-Electron Laser. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5652-5657.	3.3	28
79	Dose efficient Compton X-ray microscopy. Optica, 2018, 5, 450.	4.8	18
80	Femtosecond X-ray coherent diffraction of aligned amyloid fibrils on low background graphene. Nature Communications, 2018, 9, 1836.	5.8	34
81	Characterization of High Numerical Aperture Multilayer Laue Lenses. Microscopy and Microanalysis, 2018, 24, 282-283.	0.2	0
82	Enzyme intermediates captured â€œon the flyâ€•by mix-and-inject serial crystallography. BMC Biology, 2018, 16, 59.	1.7	117
83	Structure Determination by Continuous Diffraction from Imperfect Crystals. , 2018, , 253-300.		2
84	Rapid sample delivery for megahertz serial crystallography at X-ray FELs. IUCrJ, 2018, 5, 574-584.	1.0	52
85	De novo protein structure determination by heavy-atom soaking in lipidic cubic phase and SIRAS phasing using serial synchrotron crystallography. IUCrJ, 2018, 5, 524-530.	1.0	12
86	Hard x-ray multi-projection imaging for single-shot approaches. Optica, 2018, 5, 1521.	4.8	29
87	Using X-ray free-electron laser to capture intermediate states. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a15-a15.	0.0	0
88	Structural enzymology using X-ray free electron lasers. Structural Dynamics, 2017, 4, 044003.	0.9	92
89	Atomic structure of granulin determined from native nanocrystalline granulovirus using an X-ray free-electron laser. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2247-2252.	3.3	65
90	Diffraction data of core-shell nanoparticles from an X-ray free electron laser. Scientific Data, 2017, 4, 170048.	2.4	4

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91	Flowâ€aligned, singleâ€shot fiber diffraction using a femtosecond Xâ€ray freeâ€electron laser. Cytoskeleton, 2017, 74, 472-481.	1.0	12
92	Structure Determination Using X-Ray Free-Electron Laser Pulses. Methods in Molecular Biology, 2017, 1607, 295-324.	0.4	11
93	Double-flow focused liquid injector for efficient serial femtosecond crystallography. Scientific Reports, 2017, 7, 44628.	1.6	90
94	Structure determination based on continuous diffraction from macromolecular crystals. Current Opinion in Structural Biology, 2017, 45, 170-177.	2.6	4
95	Identification of Phosphorylation Codes for Arrestin Recruitment by G Protein-Coupled Receptors. Cell, 2017, 170, 457-469.e13.	13.5	344
96	Incoherent Diffractive Imaging via Intensity Correlations of Hard X Rays. Physical Review Letters, 2017, 119, 053401.	2.9	31
97	Pink-beam serial crystallography. Nature Communications, 2017, 8, 1281.	5.8	101
98	Coherent soft X-ray diffraction imaging of coliphage PR772 at the Linac coherent light source. Scientific Data, 2017, 4, 170079.	2.4	54
99	Structures of riboswitch RNA reaction states by mix-and-inject XFEL serial crystallography. Nature, 2017, 541, 242-246.	13.7	251
100	Thermal x-ray diffraction and near-field phase contrast imaging. Europhysics Letters, 2017, 120, 16003.	0.7	1
101	Post-sample aperture for low background diffraction experiments at X-ray free-electron lasers. Journal of Synchrotron Radiation, 2017, 24, 1296-1298.	1.0	8
102	FELIX: an algorithm for indexing multiple crystallites in X-ray free-electron laser snapshot diffraction images. Journal of Applied Crystallography, 2017, 50, 1075-1083.	1.9	27
103	Orientation and analysis of XFEL serial diffraction patterns from fibrous molecular assemblies. , 2017, , .		0
104	Atomic structure of granulin determined from native nanocrystalline granulovirus using an X-ray free-electron laser. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, a292-a293.	0.0	2
105	Continuous diffraction of molecules and disordered molecular crystals. Journal of Applied Crystallography, 2017, 50, 1084-1103.	1.9	21
106	Mix-and-diffuse serial synchrotron crystallography. IUCrJ, 2017, 4, 769-777.	1.0	98
107	Analysis of XFEL serial diffraction data from individual crystalline fibrils. IUCrJ, 2017, 4, 795-811.	1.0	16
108	Structures of riboswitch RNA reaction states by mix-and-inject XFEL serial crystallography. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, a92-a92.	0.0	0

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109	Monochromatic and polychromatic serial crystallography at the Advanced Photon Source. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, a368-a369.	0.0	0
110	Low-background pink-beam serial crystallography. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, a405-a405.	0.0	0
111	Time-resolved mixing-jet X-ray free-electron laser crystallography experiments. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C835-C835.	0.0	0
112	Macromolecular structure determination using X-ray FELs. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C44-C44.	0.0	0
113	Special issue on imaging the dynamic structure of matter. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 150201.	0.6	3
114	Reconstruction of an object from diffraction intensities averaged over multiple object clusters. Journal of Optics (United Kingdom), 2016, 18, 114003.	1.0	10
115	Open data set of live cyanobacterial cells imaged using an X-ray laser. Scientific Data, 2016, 3, 160058.	2.4	7
116	OnDA: online data analysis and feedback for serial X-ray imaging. Journal of Applied Crystallography, 2016, 49, 1073-1080.	1.9	89
117	A data set from flash X-ray imaging of carboxysomes. Scientific Data, 2016, 3, 160061.	2.4	11
118	Coherent diffraction of single Rice Dwarf virus particles using hard X-rays at the Linac Coherent Light Source. Scientific Data, 2016, 3, 160064.	2.4	64
119	Lipidic cubic phase injector is a viable crystal delivery system for time-resolved serial crystallography. Nature Communications, 2016, 7, 12314.	5.8	71
120	Single-shot diffraction data from the Mimivirus particle using an X-ray free-electron laser. Scientific Data, 2016, 3, 160060.	2.4	18
121	Identifying well-oriented diffraction patterns in XFEL datasets. , 2016, , .		1
122	Femtosecond structural dynamics drives the trans/cis isomerization in photoactive yellow protein. Science, 2016, 352, 725-729.	6.0	348
123	Visualizing aerosol-particle injection for diffractive-imaging experiments. Optics Express, 2016, 24, 6507.	1.7	19
124	In celluloserial crystallography of alcohol oxidase crystals inside yeast cells. IUCrJ, 2016, 3, 88-95.	1.0	23
125	X-ray laser diffraction for structure determination of the rhodopsin-arrestin complex. Scientific Data, 2016, 3, 160021.	2.4	51
126	Frontiers of free-electron laser science II. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 180201.	0.6	7

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127	Jet delivery system for Raman scattering on bio-inorganic compounds. Applied Physics Letters, 2016, 109, 213502.	1.5	2
128	One dimensional focusing with high numerical aperture multilayer Laue lens. AIP Conference Proceedings, 2016, , .	0.3	4
129	Three-dimensional-printed gas dynamic virtual nozzles for x-ray laser sample delivery. Optics Express, 2016, 24, 11515.	1.7	72
130	Macromolecular diffractive imaging using imperfect crystals. Nature, 2016, 530, 202-206.	13.7	123
131	AXSIS: Exploring the frontiers in attosecond X-ray science, imaging and spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 24-29.	0.7	80
132	Recent developments in CrystFEL. Journal of Applied Crystallography, 2016, 49, 680-689.	1.9	222
133	Lipidic cubic phase injector is a viable crystal delivery system for time-resolved serial crystallography. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s41-s42.	0.0	1
134	Imaging of Objects by Coherent Diffraction of X-Ray Free-Electron Laser Pulses. , 2016, , 1135-1195.		0
135	Developing and optimizing serial crystallography for static and dynamic structural biology. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s183-s183.	0.0	0
136	Optically Induced Forces Imposed in an Optical Funnel on a Stream of Particles in Air or Vacuum. Physical Review Applied, 2015, 4, .	1.5	37
137	Direct Phasing of Finite Crystals Illuminated with a Free-Electron Laser. Physical Review X, 2015, 5, .	2.8	12
138	Electronic damage in S atoms in a native protein crystal induced by an intense X-ray free-electron laser pulse. Structural Dynamics, 2015, 2, 041703.	0.9	20
139	Towards phasing using high X-ray intensity. IUCrJ, 2015, 2, 627-634.	1.0	24
140	Ceramic micro-injection molded nozzles for serial femtosecond crystallography sample delivery. Review of Scientific Instruments, 2015, 86, 125104.	0.6	46
141	Simple convergent-nozzle aerosol injector for single-particle diffractive imaging with X-ray free-electron lasers. Structural Dynamics, 2015, 2, 041717.	0.9	23
142	Serial femtosecond crystallography onin vivogrown crystals at SACLA - developments and results. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s148-s148.	0.0	0
143	Improving resolution in serial crystallography. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s16-s16.	0.0	0
144	Serial synchrotron crystallography experiments at EMBL beamline P14 at PETRAÂIII. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s12-s12.	0.0	1

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145	Strongly aligned gas-phase molecules at free-electron lasers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 204002.	0.6	28
146	Structural Dynamics, 2015, 2, 041709.	0.9	31
147	Accurate determination of segmented X-ray detector geometry. Optics Express, 2015, 23, 28459.	1.7	69
148	Trace phase detection and strain characterization from serial X-ray free-electron laser crystallography of a Pr_{0.5}Ca_{0.5}MnO₃ powder. Powder Diffraction, 2015, 30, S25-S30.	0.4	1
149	Diffraction gratings based on asymmetric-cut multilayers. Proceedings of SPIE, 2015, , .	0.8	0
150	Image reconstruction in serial femtosecond nanocrystallography using x-ray free-electron lasers. Proceedings of SPIE, 2015, , .	0.8	0
151	Ternary structure reveals mechanism of a membrane diacylglycerol kinase. Nature Communications, 2015, 6, 10140.	5.8	30
152	Serial Femtosecond Crystallography. Synchrotron Radiation News, 2015, 28, 20-24.	0.2	11
153	Lipidic cubic phase serial millisecond crystallography using synchrotron radiation. IUCrJ, 2015, 2, 168-176.	1.0	196
154	Imaging single cells in a beam of live cyanobacteria with an X-ray laser. Nature Communications, 2015, 6, 5704.	5.8	156
155	Structural basis for bifunctional peptide recognition at human Î´-opioid receptor. Nature Structural and Molecular Biology, 2015, 22, 265-268.	3.6	151
156	Three-Dimensional Reconstruction of the Giant Mimivirus Particle with an X-Ray Free-Electron Laser. Physical Review Letters, 2015, 114, 098102.	2.9	284
157	Indications of radiation damage in ferredoxin microcrystals using high-intensity X-FEL beams. Journal of Synchrotron Radiation, 2015, 22, 225-238.	1.0	110
158	Effects of self-seeding and crystal post-selection on the quality of Monte Carlo-integrated SFX data. Journal of Synchrotron Radiation, 2015, 22, 644-652.	1.0	20
159	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. Nature, 2015, 523, 561-567.	13.7	683
160	High numerical aperture multilayer Laue lenses. Scientific Reports, 2015, 5, 9892.	1.6	89
161	Towards RIP using free-electron laser SFX data. Journal of Synchrotron Radiation, 2015, 22, 249-255.	1.0	27
162	Ultrafast self-gating Bragg diffraction of exploding nanocrystals in an X-ray laser. Optics Express, 2015, 23, 1213.	1.7	29

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163	Soft x-ray free-electron laser induced damage to inorganic scintillators. Optical Materials Express, 2015, 5, 254.	1.6	11
164	Fabrication of wedged multilayer Laue lenses. Optical Materials Express, 2015, 5, 748.	1.6	41
165	Extended asymmetric-cut multilayer X-ray gratings. Optics Express, 2015, 23, 15195.	1.7	10
166	Toward steering a jet of particles into an x-ray beam with optically induced forces. , 2015, , .		0
167	Implications of the focal beam profile in serial femtosecond crystallography. , 2015, , .		2
168	Imaging of Objects by Coherent Diffraction of X-Ray Free-Electron Laser Pulses. , 2015, , 1-55.		0
169	Imaging of Objects by Coherent Diffraction of X-Ray FEL Pulses. , 2015, , 1-55.		0
170	Phase retrieval for randomly terminated finite crystals. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s17-s17.	0.0	0
171	Cheetah: software for high-throughput reduction and analysis of serial femtosecond X-ray diffraction data. Journal of Applied Crystallography, 2014, 47, 1118-1131.	1.9	348
172	Phase retrieval from crystalline diffraction averaged over several different unit cells. , 2014, , .		0
173	Expression, purification and crystallization of CTB-MPR, a candidate mucosal vaccine component against HIV-1. IUCrJ, 2014, 1, 305-317.	1.0	6
174	Nanoscale and bio imaging: general discussion. Faraday Discussions, 2014, 171, 419-427.	1.6	0
175	Toward atomic resolution diffractive imaging of isolated molecules with X-ray free-electron lasers. Faraday Discussions, 2014, 171, 393-418.	1.6	29
176	Disruptive photon technologies for chemical dynamics. Faraday Discussions, 2014, 171, 525-543.	1.6	1
177	Automated identification and classification of single particle serial femtosecond X-ray diffraction data. Optics Express, 2014, 22, 2497.	1.7	45
178	Conformation sequence recovery of a non-periodic object from a diffraction-before-destruction experiment. Optics Express, 2014, 22, 8085.	1.7	11
179	Explosion dynamics of sucrose nanospheres monitored by time of flight spectrometry and coherent diffractive imaging at the split-and-delay beam line of the FLASH soft X-ray laser. Optics Express, 2014, 22, 28914.	1.7	13
180	Time-resolved serial crystallography captures high-resolution intermediates of photoactive yellow protein. Science, 2014, 346, 1242-1246.	6.0	418

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181	The birth of a new field <sup />. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130309.	1.8	28
182	Chemical reaction dynamics I and electron dynamics in molecules: general discussion. Faraday Discussions, 2014, 171, 145-168.	1.6	1
183	Imaging molecular structure through femtosecond photoelectron diffraction on aligned and oriented gas-phase molecules. Faraday Discussions, 2014, 171, 57-80.	1.6	55
184	Phasing coherently illuminated nanocrystals bounded by partial unit cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130331.	1.8	29
185	Mapping the continuous reciprocal space intensity distribution of X-ray serial crystallography. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130333.	1.8	29
186	Instrumentation and methods: general discussion. Faraday Discussions, 2014, 171, 505-523.	1.6	1
187	Lipidic cubic phase injector facilitates membrane protein serial femtosecond crystallography. Nature Communications, 2014, 5, 3309.	5.8	505
188	High-throughput imaging of heterogeneous cell organelles with an X-ray laser. Nature Photonics, 2014, 8, 943-949.	15.6	156
189	X-ray holography with a customizable reference. Nature Communications, 2014, 5, 4661.	5.8	22
190	Chemical reaction dynamics II and Correlated systems, surfaces and catalysis: general discussion. Faraday Discussions, 2014, 171, 323-356.	1.6	0
191	Visualizing a protein quake with time-resolved X-ray scattering at a free-electron laser. Nature Methods, 2014, 11, 923-926.	9.0	173
192	Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions. Lab on A Chip, 2014, 14, 1733-1745.	3.1	66
193	Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. Nature, 2014, 513, 261-265.	13.7	403
194	Diffraction before destruction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130313.	1.8	168
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