

# Sebastien Boutet

## List of Publications by Year in descending order

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157  
papers

19,055  
citations

16411

64  
h-index

11581

135  
g-index

163  
all docs

163  
docs citations

163  
times ranked

13265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond X-ray protein nanocrystallography. <i>Nature</i> , 2011, 470, 73-77.	13.7	1,771
2	Femtosecond diffractive imaging with a soft-X-ray free-electron laser. <i>Nature Physics</i> , 2006, 2, 839-843.	6.5	910
3	Single mimivirus particles intercepted and imaged with an X-ray laser. <i>Nature</i> , 2011, 470, 78-81.	13.7	790
4	High-Resolution Protein Structure Determination by Serial Femtosecond Crystallography. <i>Science</i> , 2012, 337, 362-364.	6.0	758
5	Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. <i>Nature</i> , 2015, 523, 561-567.	13.7	683
6	Structure of the toxic core of $\alpha$ -synuclein from invisible crystals. <i>Nature</i> , 2015, 525, 486-490.	13.7	528
7	Lipidic cubic phase injector facilitates membrane protein serial femtosecond crystallography. <i>Nature Communications</i> , 2014, 5, 3309.	5.8	505
8	Linac Coherent Light Source: The first five years. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	477
9	Serial Femtosecond Crystallography of G Protein-Coupled Receptors. <i>Science</i> , 2013, 342, 1521-1524.	6.0	424
10	Time-resolved serial crystallography captures high-resolution intermediates of photoactive yellow protein. <i>Science</i> , 2014, 346, 1242-1246.	6.0	418
11	Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. <i>Nature</i> , 2014, 513, 261-265.	13.7	403
12	Natively Inhibited <i>Trypanosoma brucei</i> Cathepsin B Structure Determined by Using an X-ray Laser. <i>Science</i> , 2013, 339, 227-230.	6.0	393
13	Structures of the intermediates of Kok <sup>TM</sup> 's photosynthetic water oxidation clock. <i>Nature</i> , 2018, 563, 421-425.	13.7	386
14	Ultrafast X-ray probing of water structure below the homogeneous ice nucleation temperature. <i>Nature</i> , 2014, 510, 381-384.	13.7	385
15	Tracking excited-state charge and spin dynamics in iron coordination complexes. <i>Nature</i> , 2014, 509, 345-348.	13.7	382
16	Simultaneous Femtosecond X-ray Spectroscopy and Diffraction of Photosystem II at Room Temperature. <i>Science</i> , 2013, 340, 491-495.	6.0	378
17	Femtosecond structural dynamics drives the trans/cis isomerization in photoactive yellow protein. <i>Science</i> , 2016, 352, 725-729.	6.0	348
18	Direct observation of ultrafast collective motions in CO myoglobin upon ligand dissociation. <i>Science</i> , 2015, 350, 445-450.	6.0	344

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19	Structure of photosystem II and substrate binding at room temperature. <i>Nature</i> , 2016, 540, 453-457.	13.7	323
20	Structure of the Angiotensin Receptor Revealed by Serial Femtosecond Crystallography. <i>Cell</i> , 2015, 161, 833-844.	13.5	315
21	Structures of riboswitch RNA reaction states by mix-and-inject XFEL serial crystallography. <i>Nature</i> , 2017, 541, 242-246.	13.7	251
22	De novo protein crystal structure determination from X-ray free-electron laser data. <i>Nature</i> , 2014, 505, 244-247.	13.7	245
23	Femtosecond time-delay X-ray holography. <i>Nature</i> , 2007, 448, 676-679.	13.7	238
24	Single Particle X-ray Diffractive Imaging. <i>Nano Letters</i> , 2008, 8, 310-316.	4.5	229
25	Ultrafast single-shot diffraction imaging of nanoscale dynamics. <i>Nature Photonics</i> , 2008, 2, 415-419.	15.6	221
26	Taking snapshots of photosynthetic water oxidation using femtosecond X-ray diffraction and spectroscopy. <i>Nature Communications</i> , 2014, 5, 4371.	5.8	206
27	In vivo protein crystallization opens new routes in structural biology. <i>Nature Methods</i> , 2012, 9, 259-262.	9.0	193
28	Femtosecond Visualization of Lattice Dynamics in Shock-Compressed Matter. <i>Science</i> , 2013, 342, 220-223.	6.0	176
29	Visualizing a protein quake with time-resolved X-ray scattering at a free-electron laser. <i>Nature Methods</i> , 2014, 11, 923-926.	9.0	173
30	The Coherent X-ray Imaging (CXI) instrument at the Linac Coherent Light Source (LCLS). <i>New Journal of Physics</i> , 2010, 12, 035024.	1.2	170
31	Fixed-target protein serial microcrystallography with an x-ray free electron laser. <i>Scientific Reports</i> , 2014, 4, 6026.	1.6	169
32	Massively parallel X-ray holography. <i>Nature Photonics</i> , 2008, 2, 560-563.	15.6	168
33	Nanoflow electrospinning serial femtosecond crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1584-1587.	2.5	167
34	The Coherent X-ray Imaging instrument at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 514-519.	1.0	152
35	Chromophore twisting in the excited state of a photoswitchable fluorescent protein captured by time-resolved serial femtosecond crystallography. <i>Nature Chemistry</i> , 2018, 10, 31-37.	6.6	152
36	Structural basis for bifunctional peptide recognition at human $\mu$ -opioid receptor. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 265-268.	3.6	151

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37	Room temperature femtosecond X-ray diffraction of photosystem II microcrystals. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9721-9726.	3.3	144
38	Accurate macromolecular structures using minimal measurements from X-ray free-electron lasers. Nature Methods, 2014, 11, 545-548.	9.0	140
39	Femtosecond response of polyatomic molecules to ultra-intense hard X-rays. Nature, 2017, 546, 129-132.	13.7	139
40	Ultra-precise characterization of LCLS hard X-ray focusing mirrors by high resolution slope measuring deflectometry. Optics Express, 2012, 20, 4525.	1.7	132
41	A novel inert crystal delivery medium for serial femtosecond crystallography. IUCrJ, 2015, 2, 421-430.	1.0	123
42	Macromolecular diffractive imaging using imperfect crystals. Nature, 2016, 530, 202-206.	13.7	123
43	Three-dimensional view of ultrafast dynamics in photoexcited bacteriorhodopsin. Nature Communications, 2019, 10, 3177.	5.8	121
44	Liquid explosions induced by X-ray laser pulses. Nature Physics, 2016, 12, 966-971.	6.5	116
45	Energy-dispersive X-ray emission spectroscopy using an X-ray free-electron laser in a shot-by-shot mode. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19103-19107.	3.3	113
46	Protein crystal structure obtained at 2.9 Å... resolution from injecting bacterial cells into an X-ray free-electron laser beam. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12769-12774.	3.3	111
47	Indications of radiation damage in ferredoxin microcrystals using high-intensity X-FEL beams. Journal of Synchrotron Radiation, 2015, 22, 225-238.	1.0	110
48	CSPAD-140k: A versatile detector for LCLS experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 550-553.	0.7	106
49	Concentric-flow electrokinetic injector enables serial crystallography of ribosome and photosystem II. Nature Methods, 2016, 13, 59-62.	9.0	103
50	Anomalous Behavior of the Homogeneous Ice Nucleation Rate in $\alpha$ -No-Man $\alpha$ 's Land $\alpha$ . Journal of Physical Chemistry Letters, 2015, 6, 2826-2832.	2.1	102
51	The CSPAD megapixel x-ray camera at LCLS. Proceedings of SPIE, 2012, , .	0.8	99
52	Anomalous nonlinear X-ray Compton scattering. Nature Physics, 2015, 11, 964-970.	6.5	99
53	De novo phasing with X-ray laser reveals mosquito larvicide BinAB structure. Nature, 2016, 539, 43-47.	13.7	98
54	Native phasing of x-ray free-electron laser data for a G protein $\alpha$ -coupled receptor. Science Advances, 2016, 2, e1600292.	4.7	97

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55	Mechanism and dynamics of fatty acid photodecarboxylase. <i>Science</i> , 2021, 372, .	6.0	93
56	Double-flow focused liquid injector for efficient serial femtosecond crystallography. <i>Scientific Reports</i> , 2017, 7, 44628.	1.6	90
57	Toxicity of Eosinophil MBP Is Repressed by Intracellular Crystallization and Promoted by Extracellular Aggregation. <i>Molecular Cell</i> , 2015, 57, 1011-1021.	4.5	88
58	Femtosecond X-ray diffraction from two-dimensional protein crystals. <i>IUCrJ</i> , 2014, 1, 95-100.	1.0	78
59	Structure of a photosynthetic reaction centre determined by serial femtosecond crystallography. <i>Nature Communications</i> , 2013, 4, 2911.	5.8	74
60	Ultrafast X-ray scattering reveals vibrational coherence following Rydberg excitation. <i>Nature Chemistry</i> , 2019, 11, 716-721.	6.6	73
61	Protein structure determination by single-wavelength anomalous diffraction phasing of X-ray free-electron laser data. <i>IUCrJ</i> , 2016, 3, 180-191.	1.0	71
62	Lipidic cubic phase injector is a viable crystal delivery system for time-resolved serial crystallography. <i>Nature Communications</i> , 2016, 7, 12314.	5.8	71
63	Transient lattice contraction in the solid-to-plasma transition. <i>Science Advances</i> , 2016, 2, e1500837.	4.7	70
64	Snapshot of an oxygen intermediate in the catalytic reaction of cytochrome <i>c</i> oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3572-3577.	3.3	70
65	Atomic structure of granulin determined from native nanocrystalline granulovirus using an X-ray free-electron laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2247-2252.	3.3	65
66	Coherent diffraction of single Rice Dwarf virus particles using hard X-rays at the Linac Coherent Light Source. <i>Scientific Data</i> , 2016, 3, 160064.	2.4	64
67	Experimental strategies for imaging bioparticles with femtosecond hard X-ray pulses. <i>IUCrJ</i> , 2017, 4, 251-262.	1.0	63
68	Serial femtosecond crystallography of soluble proteins in lipidic cubic phase. <i>IUCrJ</i> , 2015, 2, 545-551.	1.0	61
69	Sacrificial Tamper Slows Down Sample Explosion in FLASH Diffraction Experiments. <i>Physical Review Letters</i> , 2010, 104, 064801.	2.9	59
70	Structural dynamics in proteins induced by and probed with X-ray free-electron laser pulses. <i>Nature Communications</i> , 2020, 11, 1814.	5.8	57
71	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
72	High-accuracy wavefront sensing for x-ray free electron lasers. <i>Optica</i> , 2018, 5, 967.	4.8	53

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73	X-ray laser diffraction for structure determination of the rhodopsin-arrestin complex. <i>Scientific Data</i> , 2016, 3, 160021.	2.4	51
74	Stimulated X-Ray Emission Spectroscopy in Transition Metal Complexes. <i>Physical Review Letters</i> , 2018, 120, 133203.	2.9	48
75	Ultrafast structural changes within a photosynthetic reaction centre. <i>Nature</i> , 2021, 589, 310-314.	13.7	47
76	How Cubic Can Ice Be?. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3216-3222.	2.1	46
77	Establishing nonlinearity thresholds with ultraintense X-ray pulses. <i>Scientific Reports</i> , 2016, 6, 33292.	1.6	43
78	Optical laser systems at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 526-531.	1.0	42
79	Observation of the molecular response to light upon photoexcitation. <i>Nature Communications</i> , 2020, 11, 2157.	5.8	42
80	Femtosecond diffractive imaging of biological cells. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 194015.	0.6	41
81	Early-stage dynamics of chloride ion pumping rhodopsin revealed by a femtosecond X-ray laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	41
82	Aerosol Imaging with a Soft X-Ray Free Electron Laser. <i>Aerosol Science and Technology</i> , 2010, 44, i-vi.	1.5	40
83	Selenium single-wavelength anomalous diffraction de novo phasing using an X-ray-free electron laser. <i>Nature Communications</i> , 2016, 7, 13388.	5.8	40
84	Negative Pressures and Spallation in Water Drops Subjected to Nanosecond Shock Waves. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2055-2062.	2.1	40
85	The room temperature crystal structure of a bacterial phytochrome determined by serial femtosecond crystallography. <i>Scientific Reports</i> , 2016, 6, 35279.	1.6	39
86	The Macromolecular Femtosecond Crystallography Instrument at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 346-357.	1.0	37
87	Determining Orientations of Optical Transition Dipole Moments Using Ultrafast X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6556-6562.	2.1	36
88	A deep UV trigger for ground-state ring-opening dynamics of 1,3-cyclohexadiene. <i>Science Advances</i> , 2019, 5, eaax6625.	4.7	35
89	Camera for coherent diffractive imaging and holography with a soft-x-ray free-electron laser. <i>Applied Optics</i> , 2008, 47, 1673.	2.1	34
90	A single-shot intensity-position monitor for hard x-ray FEL sources. <i>Proceedings of SPIE</i> , 2011, , .	0.8	34

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91	Femtosecond X-ray coherent diffraction of aligned amyloid fibrils on low background graphene. <i>Nature Communications</i> , 2018, 9, 1836.	5.8	34
92	Serial femtosecond X-ray diffraction of 30S ribosomal subunit microcrystals in liquid suspension at ambient temperature using an X-ray free-electron laser. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1066-1069.	0.7	32
93	7 Å... resolution in protein two-dimensional-crystal X-ray diffraction at Linac Coherent Light Source. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130500.	1.8	32
94	Low-Zpolymer sample supports for fixed-target serial femtosecond X-ray crystallography. <i>Journal of Applied Crystallography</i> , 2015, 48, 1072-1079.	1.9	32
95	Comparing serial X-ray crystallography and microcrystal electron diffraction (MicroED) as methods for routine structure determination from small macromolecular crystals. <i>IUCr</i> , 2020, 7, 306-323.	1.0	32
96	The New Macromolecular Femtosecond Crystallography (MFX) Instrument at LCLS. <i>Synchrotron Radiation News</i> , 2016, 29, 23-28.	0.2	31
97	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitoicidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153.	5.8	31
98	Ternary structure reveals mechanism of a membrane diacylglycerol kinase. <i>Nature Communications</i> , 2015, 6, 10140.	5.8	30
99	Relativistic and resonant effects in the ionization of heavy atoms by ultra-intense hard X-rays. <i>Nature Communications</i> , 2018, 9, 4200.	5.8	29
100	Strongly aligned gas-phase molecules at free-electron lasers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 204002.	0.6	28
101	Ultrafast nonthermal heating of water initiated by an X-ray Free-Electron Laser. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5652-5657.	3.3	28
102	Non-destructive characterization and alignment of aerodynamically focused particle beams using single particle charge detection. <i>Journal of Aerosol Science</i> , 2008, 39, 917-928.	1.8	26
103	Simplicity Beneath Complexity: Counting Molecular Electrons Reveals Transients and Kinetics of Photodissociation Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6371-6375.	7.2	25
104	Towards phasing using high X-ray intensity. <i>IUCr</i> , 2015, 2, 627-634.	1.0	24
105	X-ray diffractive imaging of controlled gas-phase molecules: Toward imaging of dynamics in the molecular frame. <i>Journal of Chemical Physics</i> , 2020, 152, 084307.	1.2	24
106	The ePix10k 2-megapixel hard X-ray detector at LCLS. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 608-615.	1.0	24
107	Coherent diffractive imaging of microtubules using an X-ray laser. <i>Nature Communications</i> , 2019, 10, 2589.	5.8	22
108	Femtosecond quantification of void evolution during rapid material failure. <i>Science Advances</i> , 2020, 6, .	4.7	22

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109	Effect of X-ray free-electron laser-induced shockwaves on haemoglobin microcrystals delivered in a liquid jet. <i>Nature Communications</i> , 2021, 12, 1672.	5.8	21
110	Effects of self-seeding and crystal post-selection on the quality of Monte Carlo-integrated SFX data. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 644-652.	1.0	20
111	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
112	X-ray laser-induced electron dynamics observed by femtosecond diffraction from nanocrystals of Buckminsterfullerene. <i>Science Advances</i> , 2016, 2, e1601186.	4.7	20
113	Advances in ultrafast gas-phase x-ray scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 234004.	0.6	20
114	Structural studies of P-type ATPase-ligand complexes using an X-ray free-electron laser. <i>IUCr</i> , 2015, 2, 409-420.	1.0	20
115	Focal Spot and Wavefront Sensing of an X-Ray Free Electron laser using Ronchi shearing interferometry. <i>Scientific Reports</i> , 2017, 7, 13698.	1.6	19
116	3D printed droplet generation devices for serial femtosecond crystallography enabled by surface coating. <i>Journal of Applied Crystallography</i> , 2019, 52, 997-1008.	1.9	19
117	Coherent X-ray diffractive imaging of protein crystals. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 576-583.	1.0	18
118	Ultrafast X-ray scattering offers a structural view of excited-state charge transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
119	Characterization and use of the spent beam for serial operation of LCLS. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 634-643.	1.0	17
120	Synchronous RNA conformational changes trigger ordered phase transitions in crystals. <i>Nature Communications</i> , 2021, 12, 1762.	5.8	17
121	Ultrafast soft X-ray scattering and reference-enhanced diffractive imaging of weakly scattering nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2008, 166-167, 65-73.	0.8	16
122	Scattering off molecules far from equilibrium. <i>Journal of Chemical Physics</i> , 2019, 151, 084301.	1.2	16
123	Analysis of XFEL serial diffraction data from individual crystalline fibrils. <i>IUCr</i> , 2017, 4, 795-811.	1.0	16
124	Experience with the CSPAD during dedicated detector runs at LCLS. <i>Journal of Physics: Conference Series</i> , 2014, 493, 012011.	0.3	15
125	Harnessing the power of an X-ray laser for serial crystallography of membrane proteins crystallized in lipidic cubic phase. <i>IUCr</i> , 2020, 7, 976-984.	1.0	15
126	X-ray Free Electron Laser Determination of Crystal Structures of Dark and Light States of a Reversibly Photoswitching Fluorescent Protein at Room Temperature. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1918.	1.8	14



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127	Flow-aligned, single-shot fiber diffraction using a femtosecond X-ray free-electron laser. Cytoskeleton, 2017, 74, 472-481.	1.0	12
128	Radiation driven collapse of protein crystals. Journal of Synchrotron Radiation, 2006, 13, 1-7.	1.0	11
129	Serial femtosecond X-ray diffraction of enveloped virus microcrystals. Structural Dynamics, 2015, 2, 041720.	0.9	11
130	Performance of ePix10K, a high dynamic range, gain auto-ranging pixel detector for FELs. AIP Conference Proceedings, 2019, , .	0.3	11
131	Generation of high-intensity ultrasound through shock propagation in liquid jets. Physical Review Fluids, 2019, 4, .	1.0	11
132	Nanocrystallography measurements of early stage synthetic malaria pigment. Journal of Applied Crystallography, 2017, 50, 1533-1540.	1.9	11
133	Serial femtosecond crystallography datasets from G protein-coupled receptors. Scientific Data, 2016, 3, 160057.	2.4	10
134	Double grating shearing interferometry for X-ray free-electron laser beams. Optica, 2020, 7, 404.	4.8	9
135	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
136	Observation of shock-induced protein crystal damage during megahertz serial femtosecond crystallography. Physical Review Research, 2021, 3, .	1.3	8
137	X-Ray Free Electron Lasers and Their Applications. , 2018, , 1-21.		8
138	Resolution extension by image summing in serial femtosecond crystallography of two-dimensional membrane-protein crystals. IUCr, 2018, 5, 103-117.	1.0	8
139	Lifetime and damage threshold properties of reflective x-ray coatings for the LCLS free-electron laser. Proceedings of SPIE, 2011, , .	0.8	7
140	Expression, purification and crystallization of CTB-MPR, a candidate mucosal vaccine component against HIV-1. IUCr, 2014, 1, 305-317.	1.0	6
141	Silicon Mirrors for High-Intensity X-Ray Pump and Probe Experiments. Physical Review Applied, 2014, 1, .	1.5	6
142	Se-SAD serial femtosecond crystallography datasets from selenobiotinyl-streptavidin. Scientific Data, 2017, 4, 170055.	2.4	6
143	Numerical simulations of the hard X-ray pulse intensity distribution at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2017, 24, 738-743.	1.0	6
144	Observations of phase changes in monoolein during high viscous injection. Journal of Synchrotron Radiation, 2022, 29, 602-614.	1.0	5

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145	Diffraction data of core-shell nanoparticles from an X-ray free electron laser. Scientific Data, 2017, 4, 170048.	2.4	4
146	Short-pulse Laser Induced Transient Structure Formation and Ablation Studied with Time-resolved Coherent XUV-scattering. Materials Research Society Symposia Proceedings, 2009, 1230, 1.	0.1	3
147	Measurements of Long-range Electronic Correlations During Femtosecond Diffraction Experiments Performed on Nanocrystals of Buckminsterfullerene. Journal of Visualized Experiments, 2017, , .	0.2	3
148	Development, experimental performance and damage properties of x-ray optics for the LCLS free-electron laser. , 2013, , .		2
149	A statistical approach to detect protein complexes at X-ray free-electron laser facilities. Communications Physics, 2018, 1, .	2.0	2
150	Nanofocus characterization at the Coherent X-ray Imaging instrument using 2D single grating interferometry. , 2019, , .		2
151	Trace phase detection and strain characterization from serial X-ray free-electron laser crystallography of a Pr <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> powder. Powder Diffraction, 2015, 30, S25-S30.	0.4	1
152	Serial crystallography using automated drop dispensing. Journal of Synchrotron Radiation, 2021, 28, 1386-1392.	1.0	1
153	Structure-factor amplitude reconstruction from serial femtosecond crystallography of two-dimensional membrane-protein crystals. IUCr, 2019, 6, 34-45.	1.0	1
154	Anomalous Two-Photon Compton Scattering. New Journal of Physics, 0, , .	1.2	1
155	Probing homogenous ice nucleation within supercooled bulk water droplet in "no man's land" with an ultrafast X-ray laser. , 2013, , .		0
156	Silicon single crystal as back-reflector for high-intensity hard x-rays. , 2014, , .		0
157	Using Ultrafast X-ray Lasers to Image Structure & Dynamics. Microscopy and Microanalysis, 2015, 21, 1849-1850.	0.2	0