

M Marvin Seibert

List of Publications by Year in descending order

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51
papers

10,508
citations

87888

38
h-index

168389

53
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55
all docs

55
docs citations

55
times ranked

6891
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffraction data from aerosolized Coliphage PR772 virus particles imaged with the Linac Coherent Light Source. <i>Scientific Data</i> , 2020, 7, 404.	5.3	6
2	Electrospray sample injection for single-particle imaging with x-ray lasers. <i>Science Advances</i> , 2019, 5, eaav8801.	10.3	49
3	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	12.8	147
4	Measurements of Long-range Electronic Correlations During Femtosecond Diffraction Experiments Performed on Nanocrystals of Buckminsterfullerene. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	3
5	Experimental strategies for imaging bioparticles with femtosecond hard X-ray pulses. <i>IUCrJ</i> , 2017, 4, 251-262.	2.2	63
6	Open data set of live cyanobacterial cells imaged using an X-ray laser. <i>Scientific Data</i> , 2016, 3, 160058.	5.3	7
7	X-ray laser-induced electron dynamics observed by femtosecond diffraction from nanocrystals of Buckminsterfullerene. <i>Science Advances</i> , 2016, 2, e1601186.	10.3	20
8	A data set from flash X-ray imaging of carboxysomes. <i>Scientific Data</i> , 2016, 3, 160061.	5.3	11
9	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.	5.3	64
10	Single-shot diffraction data from the Mimivirus particle using an X-ray free-electron laser. <i>Scientific Data</i> , 2016, 3, 160060.	5.3	18
11	Ternary structure reveals mechanism of a membrane diacylglycerol kinase. <i>Nature Communications</i> , 2015, 6, 10140.	12.8	30
12	Imaging single cells in a beam of live cyanobacteria with an X-ray laser. <i>Nature Communications</i> , 2015, 6, 5704.	12.8	156
13	Three-Dimensional Reconstruction of the Giant Mimivirus Particle with an X-Ray Free-Electron Laser. <i>Physical Review Letters</i> , 2015, 114, 098102.	7.8	284
14	Characterization and use of the spent beam for serial operation of LCLS. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 634-643.	2.4	17
15	The Coherent X-ray Imaging instrument at the Linac Coherent Light Source. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 514-519.	2.4	152
16	Femtosecond X-ray diffraction from two-dimensional protein crystals. <i>IUCrJ</i> , 2014, 1, 95-100.	2.2	78
17	Expression, purification and crystallization of CTB-MPR, a candidate mucosal vaccine component against HIV-1. <i>IUCrJ</i> , 2014, 1, 305-317.	2.2	6
18	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. <i>Optics Express</i> , 2014, 22, 28914.	3.4	13

#	ARTICLE	IF	CITATIONS
19	Lipidic cubic phase injector facilitates membrane protein serial femtosecond crystallography. <i>Nature Communications</i> , 2014, 5, 3309.	12.8	505
20	Accurate macromolecular structures using minimal measurements from X-ray free-electron lasers. <i>Nature Methods</i> , 2014, 11, 545-548.	19.0	140
21	High-throughput imaging of heterogeneous cell organelles with an X-ray laser. <i>Nature Photonics</i> , 2014, 8, 943-949.	31.4	156
22	Visualizing a protein quake with time-resolved X-ray scattering at a free-electron laser. <i>Nature Methods</i> , 2014, 11, 923-926.	19.0	173
23	Taking snapshots of photosynthetic water oxidation using femtosecond X-ray diffraction and spectroscopy. <i>Nature Communications</i> , 2014, 5, 4371.	12.8	206
24	Fixed-target protein serial microcrystallography with an x-ray free electron laser. <i>Scientific Reports</i> , 2014, 4, 6026.	3.3	169
25	Serial Femtosecond Crystallography of G Protein-coupled Receptors. <i>Science</i> , 2013, 342, 1521-1524.	12.6	424
26	Structure of a photosynthetic reaction centre determined by serial femtosecond crystallography. <i>Nature Communications</i> , 2013, 4, 2911.	12.8	74
27	Natively Inhibited <i>Trypanosoma brucei</i> Cathepsin B Structure Determined by Using an X-ray Laser. <i>Science</i> , 2013, 339, 227-230.	12.6	393
28	Simultaneous Femtosecond X-ray Spectroscopy and Diffraction of Photosystem II at Room Temperature. <i>Science</i> , 2013, 340, 491-495.	12.6	378
29	Time-resolved protein nanocrystallography using an X-ray free-electron laser. <i>Optics Express</i> , 2012, 20, 2706.	3.4	219
30	Energy-dispersive X-ray emission spectroscopy using an X-ray free-electron laser in a shot-by-shot mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19103-19107.	7.1	113
31	Nanoflow electrospinning serial femtosecond crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1584-1587.	2.5	167
32	Lipidic phase membrane protein serial femtosecond crystallography. <i>Nature Methods</i> , 2012, 9, 263-265.	19.0	135
33	Self-terminating diffraction gates femtosecond X-ray nanocrystallography measurements. <i>Nature Photonics</i> , 2012, 6, 35-40.	31.4	292
34	In vivo protein crystallization opens new routes in structural biology. <i>Nature Methods</i> , 2012, 9, 259-262.	19.0	193
35	Room temperature femtosecond X-ray diffraction of photosystem II microcrystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9721-9726.	7.1	144
36	High-Resolution Protein Structure Determination by Serial Femtosecond Crystallography. <i>Science</i> , 2012, 337, 362-364.	12.6	758

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37	Radiation damage in protein serial femtosecond crystallography using an x-ray free-electron laser. Physical Review B, 2011, 84, 214111.	3.2	156
38	Single particle imaging with soft x-rays at the Linac Coherent Light Source. , 2011, , .		12
39	Single mimivirus particles intercepted and imaged with an X-ray laser. Nature, 2011, 470, 78-81.	27.8	790
40	Femtosecond X-ray protein nanocrystallography. Nature, 2011, 470, 73-77.	27.8	1,771
41	Aerosol Imaging with a Soft X-Ray Free Electron Laser. Aerosol Science and Technology, 2010, 44, i-vi.	3.1	40
42	Femtosecond diffractive imaging of biological cells. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 194015.	1.5	41
43	Sacrificial Tamper Slows Down Sample Explosion in FLASH Diffraction Experiments. Physical Review Letters, 2010, 104, 064801.	7.8	59
44	Ultrafast soft X-ray scattering and reference-enhanced diffractive imaging of weakly scattering nanoparticles. Journal of Electron Spectroscopy and Related Phenomena, 2008, 166-167, 65-73.	1.7	16
45	Ultrafast single-shot diffraction imaging of nanoscale dynamics. Nature Photonics, 2008, 2, 415-419.	31.4	221
46	Single Particle X-ray Diffractive Imaging. Nano Letters, 2008, 8, 310-316.	9.1	229
47	Femtosecond time-delay X-ray holography. Nature, 2007, 448, 676-679.	27.8	238
48	Protein Folding Properties from Molecular Dynamics Simulations. Lecture Notes in Computer Science, 2007, , 109-115.	1.3	3
49	Femtosecond diffractive imaging with a soft-X-ray free-electron laser. Nature Physics, 2006, 2, 839-843.	16.7	910
50	Protein Folding Kinetics and Thermodynamics from Atomistic Simulations. Physical Review Letters, 2006, 96, 238102.	7.8	85
51	Reproducible Polypeptide Folding and Structure Prediction using Molecular Dynamics Simulations. Journal of Molecular Biology, 2005, 354, 173-183.	4.2	165