Jan Steinbrener

List of Publications by Year
in descending order

20	2,530	516710	794594
papers	citations	16	19
		h-index	g-index

20	20	20	3060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Resolution Protein Structure Determination by Serial Femtosecond Crystallography. Science, 2012, 337, 362-364.	12.6	758
2	Serial time-resolved crystallography of photosystem II using a femtosecond X-ray laser. Nature, 2014, 513, 261-265.	27.8	403
3	Natively Inhibited *Trypanosoma brucei* Cathepsin B Structure Determined by Using an X-ray Laser. Science, 2013, 339, 227-230.	12.6	393
4	Radiation damage in protein serial femtosecond crystallography using an x-ray free-electron laser. Physical Review B, 2011, 84, 214111.	3.2	156
5	Soft X-Ray Diffraction Microscopy of a Frozen Hydrated Yeast Cell. Physical Review Letters, 2009, 103, 198101.	7.8	137
6	High-resolution x-ray diffraction microscopy of specifically labeled yeast cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7235-7239.	7.1	121
7	Hyperspectral fruit and vegetable classification using convolutional neural networks. Computers and Electronics in Agriculture, 2019, 162, 364-372.	7.7	94
8	Unsupervised classification of single-particle X-ray diffraction snapshots by spectral clustering. Optics Express, 2011, 19, 16542.	3.4	91
9	Signal-to-noise and radiation exposure considerations in conventional and diffraction x-ray microscopy. Optics Express, 2009, 17, 13541.	3.4	80
10	Femtosecond free-electron laser x-ray diffraction data sets for algorithm development. Optics Express, 2012, 20, 4149.	3.4	56
11	An anti-settling sample delivery instrument for serial femtosecond crystallography. Journal of Applied Crystallography, 2012, 45, 674-678.	4.5	54
12	Incorrect support and missing center tolerances of phasing algorithms. Optics Express, 2010, 18, 26441.	3.4	44
13	Data preparation and evaluation techniques for x-ray diffraction microscopy. Optics Express, 2010, 18, 18598.	3.4	40
14	Sensing the wavefront of x-ray free-electron lasers using aerosol spheres. Optics Express, 2013, 21, 12385.	3.4	28
15	Toward unsupervised single-shot diffractive imaging of heterogeneous particles using X-ray free-electron lasers. Optics Express, 2013, 21, 28729.	3.4	20
16	Lensless imaging of nanoporous glass with soft X-rays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1150-1153.	2.1	18
17	MaRS: A Modular and Robust Sensor-Fusion Framework. IEEE Robotics and Automation Letters, 2021, 6, 359-366.	5.1	17
18	Measuring the Uncertainty of Predictions in Deep Neural Networks with Variational Inference. Sensors, 2020, 20, 6011.	3.8	10

#	Article	IF	Citations
19	Improved State Propagation through AI-based Pre-processing and Down-sampling of High-Speed Inertial Data. , 2022, , .		7
20	Automated Data Annotation for 6-DoF AI-Based Navigation Algorithm Development. Journal of Imaging, 2021, 7, 236.	3.0	3