Henry J Kirkwood

List of Publications by Year
in descending order

25	571	759233 12	677142 22
papers	citations	h-index	g-index

27	27	27	881
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time-resolved serial femtosecond crystallography at the European XFEL. Nature Methods, 2020, 17, 73-78.	19.0	110
2	The Single Particles, Clusters and Biomolecules and Serial Femtosecond Crystallography instrument of the European XFEL: initial installation. Journal of Synchrotron Radiation, 2019, 26, 660-676.	2.4	90
3	Megahertz single-particle imaging at the European XFEL. Communications Physics, 2020, 3, .	5.3	58
4	3D diffractive imaging of nanoparticle ensembles using an x-ray laser. Optica, 2021, 8, 15.	9.3	48
5	Observation of substrate diffusion and ligand binding in enzyme crystals using high-repetition-rate mix-and-inject serial crystallography. IUCrJ, 2021, 8, 878-895.	2.2	44
6	Megahertz x-ray microscopy at x-ray free-electron laser and synchrotron sources. Optica, 2019, 6, 1106.	9.3	41
7	Segmented flow generator for serial crystallography at the European X-ray free electron laser. Nature Communications, 2020, 11, 4511.	12.8	27
8	Neutron Strain Tomography using the Radon Transform. Materials Today: Proceedings, 2015, 2, S414-S423.	1.8	26
9	Initial observations of the femtosecond timing jitter at the European XFEL. Optics Letters, 2019, 44, 1650.	3.3	17
10	Femtosecond timing synchronization at megahertz repetition rates for an x-ray free-electron laser. Optica, 2020, 7, 716.	9.3	16
11	Bragg coherent diffraction imaging and metrics for radiation damage in protein micro-crystallography. Journal of Synchrotron Radiation, 2017, 24, 83-94.	2.4	14
12	A Direct Approach to In-Plane Stress Separation using Photoelastic Ptychography. Scientific Reports, 2016, 6, 30541.	3.3	13
13	Simultaneous X-ray diffraction, crystallography and fluorescence mapping using the Maia detector. Acta Materialia, 2018, 144, 1-10.	7.9	12
14	Data reduction for serial crystallography using a robust peak finder. Journal of Applied Crystallography, 2021, 54, 1360-1378.	4.5	10
15	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. IUCrJ, 2022, 9, 204-214.	2.2	9
16	Shock Damage Analysis in Serial Femtosecond Crystallography Data Collected at MHz X-ray Free-Electron Lasers. Crystals, 2020, 10, 1145.	2.2	5
17	Shot-to-shot flat-field correction at X-ray free-electron lasers. Optics Express, 2022, 30, 10633.	3.4	5
18	A multi-million image Serial Femtosecond Crystallography dataset collected at the European XFEL. Scientific Data, 2022, 9, 161.	5.3	5

#	Article	IF	Citations
19	Characterisation of Residual Stress due to Fillet Rolling on Bolts Made of a Nickel Base Superalloy. Advanced Materials Research, 0, 996, 670-675.	0.3	4
20	Polycrystalline materials analysis using the Maia pixelated energy-dispersive X-ray area detector. Powder Diffraction, 2017, 32, S16-S21.	0.2	4
21	High resolution imaging and analysis of residual elastic strain in an additively manufactured turbine blade. International Journal of Nanotechnology, 2017, 14, 166.	0.2	3
22	Application and validity of the Radon transform applied to axisymmetric neutron strain imaging. International Journal of Solids and Structures, 2019, 180-181, 137-146.	2.7	3
23	Shot-to-shot two-dimensional photon intensity diagnostics within megahertz pulse-trains at the European XFEL. Journal of Synchrotron Radiation, 2022, 29, 939-946.	2.4	3
24	New Methods in Materials Characterisation with Energy and Spatially Resolving X-ray Detectors. Microscopy and Microanalysis, 2018, 24, 94-95.	0.4	0
25	Megahertz-Rate Pumpâ€“Probe Jitter and Drift Characterization at a Hard X-ray Free-Electron Laser. , 2020, , .		0