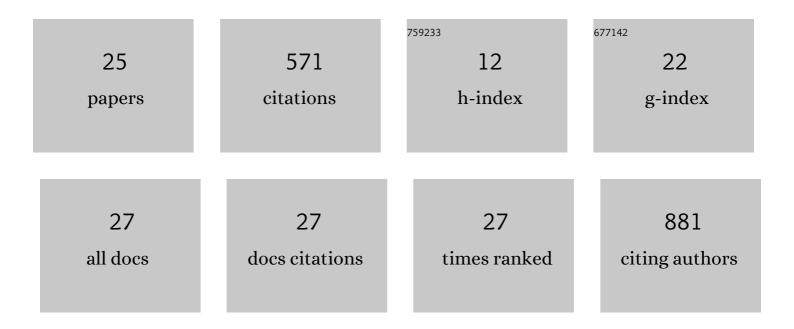
Henry J Kirkwood

List of Publications by Year in descending order

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| # | 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 |

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| # | 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 Pump–Probe Jitter and Drift Characterization at a Hard X-ray Free-Electron Laser. , 2020, , . | | 0 |