

Adrian P Mancuso

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,051
citations

623734

14
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1518
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon Beam Transport and Scientific Instruments at the European XFEL. Applied Sciences (Switzerland), 2017, 7, 592.	2.5	232
2	Megahertz serial crystallography. Nature Communications, 2018, 9, 4025.	12.8	147
3	Time-resolved serial femtosecond crystallography at the European XFEL. Nature Methods, 2020, 17, 73-78.	19.0	110
4	Correlations in Scattered X-Ray Laser Pulses Reveal Nanoscale Structural Features of Viruses. Physical Review Letters, 2017, 119, 158102.	7.8	90
5	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
6	Megahertz data collection from protein microcrystals at an X-ray free-electron laser. Nature Communications, 2018, 9, 3487.	12.8	89
7	Membrane protein megahertz crystallography at the European XFEL. Nature Communications, 2019, 10, 5021.	12.8	47
8	Observation of substrate diffusion and ligand binding in enzyme crystals using high-repetition-rate mix-and-inject serial crystallography. IUCr, 2021, 8, 878-895.	2.2	44
9	Perspectives on single particle imaging with x rays at the advent of high repetition rate x-ray free electron laser sources. Structural Dynamics, 2020, 7, 040901.	2.3	33
10	Design of the mirror optical systems for coherent diffractive imaging at the SPB/SFX instrument of the European XFEL. Journal of Optics (United Kingdom), 2016, 18, 074011.	2.2	32
11	Segmented flow generator for serial crystallography at the European X-ray free electron laser. Nature Communications, 2020, 11, 4511.	12.8	27
12	3D printed devices and infrastructure for liquid sample delivery at the European XFEL. Journal of Synchrotron Radiation, 2022, 29, 331-346.	2.4	22
13	Initial observations of the femtosecond timing jitter at the European XFEL. Optics Letters, 2019, 44, 1650.	3.3	17
14	Femtosecond timing synchronization at megahertz repetition rates for an x-ray free-electron laser. Optica, 2020, 7, 716.	9.3	16
15	Co-flow injection for serial crystallography at X-ray free-electron lasers. Journal of Applied Crystallography, 2022, 55, 1-13.	4.5	12
16	First Experiments in Structural Biology at the European X-ray Free-Electron Laser. Applied Sciences (Switzerland), 2020, 10, 3642.	2.5	11
17	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. IUCr, 2022, 9, 204-214.	2.2	9
18	Potential of Time-Resolved Serial Femtosecond Crystallography Using High Repetition Rate XFEL Sources. Applied Sciences (Switzerland), 2022, 12, 2551.	2.5	9

#	ARTICLE	IF	CITATIONS
19	A multi-million image Serial Femtosecond Crystallography dataset collected at the European XFEL. Scientific Data, 2022, 9, 161.	5.3	5
20	Nanoscale subsurface dynamics of solids upon high-intensity femtosecond laser irradiation observed by grazing-incidence x-ray scattering. Physical Review Research, 2022, 4, .	3.6	5
21	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
22	Tree-Code Based Improvement of Computational Performance of the X-ray-Matter-Interaction Simulation Tool XMDYN. Molecules, 2022, 27, 4206.	3.8	1