

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

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677142

22
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docs citations

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times ranked

1518
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-flow injection for serial crystallography at X-ray free-electron lasers. <i>Journal of Applied Crystallography</i> , 2022, 55, 1-13.	4.5	12
2	Unsupervised learning approaches to characterizing heterogeneous samples using X-ray single-particle imaging. <i>IUCr</i> , 2022, 9, 204-214.	2.2	9
3	Potential of Time-Resolved Serial Femtosecond Crystallography Using High Repetition Rate XFEL Sources. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2551.	2.5	9
4	3D printed devices and infrastructure for liquid sample delivery at the European XFEL. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 331-346.	2.4	22
5	A multi-million image Serial Femtosecond Crystallography dataset collected at the European XFEL. <i>Scientific Data</i> , 2022, 9, 161.	5.3	5
6	Shot-to-shot two-dimensional photon intensity diagnostics within megahertz pulse-trains at the European XFEL. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 939-946.	2.4	3
7	Tree-Code Based Improvement of Computational Performance of the X-ray-Matter-Interaction Simulation Tool XMDYN. <i>Molecules</i> , 2022, 27, 4206.	3.8	1
8	Nanoscale subsurface dynamics of solids upon high-intensity femtosecond laser irradiation observed by grazing-incidence x-ray scattering. <i>Physical Review Research</i> , 2022, 4, .	3.6	5
9	Observation of substrate diffusion and ligand binding in enzyme crystals using high-repetition-rate mix-and-inject serial crystallography. <i>IUCr</i> , 2021, 8, 878-895.	2.2	44
10	Time-resolved serial femtosecond crystallography at the European XFEL. <i>Nature Methods</i> , 2020, 17, 73-78.	19.0	110
11	Perspectives on single particle imaging with x rays at the advent of high repetition rate x-ray free electron laser sources. <i>Structural Dynamics</i> , 2020, 7, 040901.	2.3	33
12	Segmented flow generator for serial crystallography at the European X-ray free electron laser. <i>Nature Communications</i> , 2020, 11, 4511.	12.8	27
13	First Experiments in Structural Biology at the European X-ray Free-Electron Laser. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3642.	2.5	11
14	Femtosecond timing synchronization at megahertz repetition rates for an x-ray free-electron laser. <i>Optica</i> , 2020, 7, 716.	9.3	16
15	Membrane protein megahertz crystallography at the European XFEL. <i>Nature Communications</i> , 2019, 10, 5021.	12.8	47
16	The Single Particles, Clusters and Biomolecules and Serial Femtosecond Crystallography instrument of the European XFEL: initial installation. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 660-676.	2.4	90
17	Initial observations of the femtosecond timing jitter at the European XFEL. <i>Optics Letters</i> , 2019, 44, 1650.	3.3	17
18	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	12.8	147

#	ARTICLE	IF	CITATIONS
19	Megahertz data collection from protein microcrystals at an X-ray free-electron laser. Nature Communications, 2018, 9, 3487.	12.8	89
20	Correlations in Scattered X-Ray Laser Pulses Reveal Nanoscale Structural Features of Viruses. Physical Review Letters, 2017, 119, 158102.	7.8	90
21	Photon Beam Transport and Scientific Instruments at the European XFEL. Applied Sciences (Switzerland), 2017, 7, 592.	2.5	232
22	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