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A streamlined workflow for automated cryo focused ion beam milling

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#	Paper	IF	Citations
34	Heterogeneous non-canonical nucleosomes predominate in yeast cells in situ.		1
33	A Modular Platform for Streamlining Automated Cryo-FIB Workflows.		2
32	Waffle method: A general and flexible approach for FIB-milling small and anisotropically oriented samples.		5
31	Structure of the thin filament in native skeletal muscles reveals its interaction with nebulin and two distinct conformations of myosin.		0
30	Integrated Cryo-Correlative Microscopy for Targeted Structural Investigation In Situ. <i>Microscopy Today</i> , 2021 , 29, 20-25	0.4	5
29	Label-free visual proteomics: Coupling MS- and EM-based approaches in structural biology.. <i>Molecular Cell</i> , 2022 , 82, 285-303	17.6	3
28	Parasitology meets cryo-electron tomography - exciting prospects await.. <i>Trends in Parasitology</i> , 2022 ,	6.4	1
27	A modular platform for automated cryo-FIB workflows.. <i>ELife</i> , 2021 , 10,	8.9	8
26	How advances in cryo-electron tomography have contributed to our current view of bacterial cell biology.. <i>Journal of Structural Biology: X</i> , 2022 , 6, 100065	2.9	2
25	Structures from intact myofibrils reveal mechanism of thin filament regulation through nebulin.. <i>Science</i> , 2022 , 375, eabn1934	33.3	11
24	Waffle Method: A general and flexible approach for improving throughput in FIB-milling.. <i>Nature Communications</i> , 2022 , 13, 1857	17.4	4
23	Parallel cryo electron tomography on in situ lamellae.		2
22	Capturing actin assemblies in cells using in situ cryo-electron tomography.. <i>European Journal of Cell Biology</i> , 2022 , 101, 151224	6.1	0
21	Functional Remodeling of the Contractile Smooth Muscle Cell Cortex, a Provocative Concept, Supported by Direct Visualization of Cortical Remodeling. <i>Biology</i> , 2022 , 11, 662	4.9	
20	Bubbles and atom clusters in rock melts: A chicken and egg problem. <i>Journal of Volcanology and Geothermal Research</i> , 2022 , 107574	2.8	0
19	The Undesirable Effects and Impacts of Ice Contamination Experienced in the Cryo-Electron Tomography Workflow and Available Solutions. <i>Microscopy Today</i> , 2022 , 30, 30-35	0.4	
18	TomoTwin: Generalized 3D Localization of Macromolecules in Cryo-electron Tomograms with Structural Data Mining.		0

17	Improving Cryo-Electron Tomography Data Quality and Throughput by Minimising Ice Contamination During Lamellae Fabrication using CERES Ice Shield. <i>Microscopy and Microanalysis</i> , 2022 , 28, 48-49	0.5
16	Quantitative Cryo-Electron Tomography. <i>Frontiers in Molecular Biosciences</i> , 9,	5.6
15	MEPSi: A tool for simulating tomograms of membrane-embedded proteins.	
14	Plasma FIB milling for the determination of structures in situ.	2
13	Protocol for live-cell fluorescence-guided cryoFIB-milling and electron cryo-tomography of virus-infected cells. 2022 , 3, 101696	0
12	A cryogenic, coincident fluorescence, electron and ion beam microscope.	0
11	A cryogenic, coincident fluorescence, electron and ion beam microscope. 11,	0
10	Recent advances and current trends in cryo-electron microscopy. 2022 , 77, 102484	0
9	MEPSi: A tool for simulating tomograms of membrane-embedded proteins. 2022 , 214, 107921	0
8	Parallel cryo electron tomography on in situ lamellae.	0
7	Cryo-Electron Tomography: The Resolution Revolution and a Surge of In Situ Virological Discoveries. 2023 , 52,	0
6	Plasma FIB milling for the determination of structures in situ. 2023 , 14,	0
5	Specialized pathogenic cells release Tc toxins using a type 10 secretion system.	0
4	The application of coherent microwave scattering and multiphoton ionization for diagnostics of electric propulsion systems. 2023 , 56, 185202	0
3	Cryo-electron tomography on focused ion beam lamellae transforms structural cell biology. 2023 , 20, 499-511	0
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