Misa Hayashida

List of Publications by Year
in descending order

26	203	1307594 7	1125743 13
papers	citations	h-index	g-index

26	26	26	197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Practical electron tomography guide: Recent progress and future opportunities. Micron, 2016, 91, 49-74.	2.2	31
2	Phase plates in the transmission electron microscope: operating principles and applications. Microscopy (Oxford, England), 2021, 70, 75-115.	1.5	24
3	Nano-dot markers for electron tomography formed by electron beam-induced deposition: Nanoparticle agglomerates application. Ultramicroscopy, 2014, 144, 50-57.	1.9	19
4	Computer simulations analysis for determining the polarity of charge generated by high energy electron irradiation of a thin film. Micron, 2017, 100, 10-22.	2.2	16
5	Parameters affecting the accuracy of nanoparticle shape and size measurement in 3D. Micron, 2019, 123, 102680.	2.2	12
6	Automatic coarse-alignment for TEM tilt series of rod-shaped specimens collected with a full angular range. Micron, 2010, 41, 540-545.	2.2	11
7	Thermal expansion coefficient measurement from electron diffraction of amorphous films in a TEM. Ultramicroscopy, 2018, 188, 8-12.	1.9	8
8	3D observation of chromosome scaffold structure using a 360Â° electron tomography sample holder. Micron, 2019, 126, 102736.	2.2	8
9	Hole free phase plate tomography for materials sciences samples. Micron, 2019, 116, 54-60.	2.2	8
10	Accurate measurement of relative tilt and azimuth angles in electron tomography: A comparison of fiducial marker method with electron diffraction. Review of Scientific Instruments, 2014, 85, 083704.	1.3	7
11	Three dimensional accurate morphology measurements of polystyrene standard particles on silicon substrate by electron tomography. Micron, 2015, 79, 53-58.	2.2	7
12	Higher-Order Structure of Human Chromosomes Observed by Electron Diffraction and Electron Tomography. Microscopy and Microanalysis, 2021, 27, 149-155.	0.4	7
13	Calibration method of tilt and azimuth angles for alignment of TEM tomographic tilt series. Review of Scientific Instruments, 2011, 82, 103706.	1.3	6
14	Evaluation of electron tomography reconstruction methods for interface roughness measurement. Microscopy Research and Technique, 2018, 81, 515-519.	2.2	5
15	Toward the quantitative the interpretation of hole-free phase plate images in a transmission electron microscope.. Ultramicroscopy, 2020, 209, 112875.	1.9	5
16	High-Energy Electron Scattering in Thick Samples Evaluated by Bright-Field Transmission Electron Microscopy, Energy-Filtering Transmission Electron Microscopy, and Electron Tomography. Microscopy and Microanalysis, 2022, 28, 659-671.	0.4	5
17	Nanoparticle size and 3D shape measurement by electron tomography: An Inter-Laboratory Comparison. Micron, 2021, 140, 102956.	2.2	4
18	Tomographic measurement of buried interface roughness. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 040605.	1.2	3

#	Article	IF	Citations
19	Toward Quantitative Bright Field TEM Imaging of Ultra Thin Samples. Microscopy and Microanalysis, 2018, 24, 1612-1613.	0.4	3
20	Wavelet transform-based electron tomography measurement of buried interface roughness. Ultramicroscopy, 2018, 194, 64-77.	1.9	3
21	High-accuracy electron tomography of semiconductor devices. Microscopy and Microanalysis, 2015, 21, 1609-1610.	0.4	2
22	Hole Free Phase Plate Electron Tomography in Material Sciences. Microscopy and Microanalysis, 2018, 24, 2224-2225.	0.4	2
23	Higher-order Structure of Human Chromosomes Observed by Electron Tomography and Electron Diffraction. Microscopy and Microanalysis, 2020, 26, 656-659.	0.4	2
24	Chromosome inner structure investigation by electron tomography and electron diffraction in a transmission electron microscope. Chromosome Research, 2021, 29, 63-80.	2.2	2
25	Higher-order structure of barley chromosomes observed by electron tomography. Micron, 2022, 160, 103328.	2.2	2
26	Nano-Dot Markers for Electron Tomography Formed by Electron Beam-Induced Deposition: Nanoparticle Agglomerates Application. Microscopy and Microanalysis, 2014, 20, 782-783.	0.4	1