Prafull Purohit

List of Publications by Citations

Source: https://exaly.com/author-pdf/10991982/prafull-purohit-publications-by-citations.pdf
Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17 papers	579 citations	5 h-index	19 g-index
19 ext. papers	720 ext. citations	4.2 avg, IF	3.28 L-index

#	Paper	IF	Citations
17	Electron ptychography of 2D materials to deep sub-ångström resolution. *Nature*, **2018**, 559, 343-349	50.4	269
16	High Dynamic Range Pixel Array Detector for Scanning Transmission Electron Microscopy. *Microscopy and Microanalysis*, **2016**, 22, 237-49	0.5	222
15	Strain Mapping of Two-Dimensional Heterostructures with Subpicometer Precision. *Nano Letters*, **2018**, 18, 3746-3751	11.5	50
14	High-speed X-ray imaging pixel array detector for synchrotron bunch isolation. *Journal of Synchrotron Radiation*, **2016**, 23, 395-403	2.4	17
13	Reconstruction of Polarization Vortices by Diffraction Mapping of Ferroelectric PbTiO3 / SrTiO3 Superlattice Using a High Dynamic Range Pixelated Detector. *Microscopy and Microanalysis*, **2016**, 22, 472-473	0.5	5
12	An Electron Microscope Pixel Array Detector as a Universal STEM Detector. *Microscopy and Microanalysis*, **2016**, 22, 478-479	0.5	4
11	Electron Diffraction from a Single Atom and Optimal Signal Detection. *Microscopy and Microanalysis* , **2016**, 22, 846-847	0.5	3
10	High-speed x-ray imaging with the Keck pixel array detector (Keck PAD) for time-resolved experiments at synchrotron sources **2016**,		3
9	4D-STEM for Quantitative Imaging of Magnetic Materials with Enhanced Contrast and Resolution. *Microscopy and Microanalysis*, **2016**, 22, 1718-1719	0.5	2
8	Mapping Polarity, Toroidal Order, and the Local Energy Landscape by 4D-STEM. *Microscopy and Microanalysis*, **2018**, 24, 176-177	0.5	1
7	Phase Imaging beyond the Diffraction Limit with Electron Ptychography. *Microscopy and Microanalysis*, **2019**, 25, 6-7	0.5	1
6	Theory and Practice of Diffractometry on Single Tungsten Atoms using Electron Microscope Pixel Array Detectors. *Microscopy and Microanalysis*, **2017**, 23, 444-445	0.5	1
5	Lorentz-STEM imaging of Fields and Domains using a High-Speed, High-Dynamic Range Pixel Array Detector at Atomic Resolution. *Microscopy and Microanalysis*, **2015**, 21, 2309-2310	0.5	1
4	Measuring Orbital Angular Momentum (OAM) and Torque Transfer from Polarization Vortices with the Electron Microscopy Pixel Array Detector. *Microscopy and Microanalysis*, **2017**, 23, 1634-1635	0.5	0
3	Picometer-Precision Strain Mapping of Two-Dimensional Heterostructures using an Electron Microscope Pixel Array Detector (EMPAD). *Microscopy and Microanalysis*, **2017**, 23, 1712-1713	0.5	
2	Real-space Demonstration of 0.4 Angstrom Resolution at 80 keV via Electron Ptychography with a High Dynamic Range Pixel Array Detector. *Microscopy and Microanalysis*, **2018**, 24, 194-195	0.5	
1	Mapping Strain and Relaxation in 2D Heterojunctions with Sub-picometer Precision. *Microscopy and Microanalysis*, **2018**, 24, 1588-1589	0.5	