

# Katherine S Shanks

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15  
papers

316  
citations

5  
h-index

17  
g-index

17  
ext. papers

378  
ext. citations

2.3  
avg, IF

2.48  
L-index

#	Paper	IF	Citations
15	High Dynamic Range Pixel Array Detector for Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 237-49	0.5	222
14	High Dynamic Range X-Ray Detector Pixel Architectures Utilizing Charge Removal. <i>IEEE Transactions on Nuclear Science</i> , <b>2017</b> , 64, 1101-1107	1.7	27
13	High-dynamic-range coherent diffractive imaging: ptychography using the mixed-mode pixel array detector. <i>Journal of Synchrotron Radiation</i> , <b>2014</b> , 21, 1167-74	2.4	26
12	High-speed X-ray imaging pixel array detector for synchrotron bunch isolation. <i>Journal of Synchrotron Radiation</i> , <b>2016</b> , 23, 395-403	2.4	17
11	Mechanisms of oxide growth during the combustion of Al:Zr nanolaminate foils. <i>Combustion and Flame</i> , <b>2018</b> , 191, 442-452	5.3	7
10	Piezomagnetic switching and complex phase equilibria in uranium dioxide. <i>Communications Materials</i> , <b>2021</b> , 2,	6	4
9	The high dynamic range pixel array detector (HDR-PAD): Concept and design <b>2016</b> ,		3
8	High-speed x-ray imaging with the Keck pixel array detector (Keck PAD) for time-resolved experiments at synchrotron sources <b>2016</b> ,		3
7	Development of a Fast-Framing X-Ray Camera With Wide Dynamic Range for High-Energy Imaging <b>2018</b> ,		2
6	Characterization of a Small-Scale Prototype Detector With Wide Dynamic Range for Time-Resolved High-Energy X-Ray Applications. <i>IEEE Transactions on Nuclear Science</i> , <b>2021</b> , 1-1	1.7	1
5	Potential beneficial effects of electron-hole plasmas created in silicon sensors by XFEL-like high intensity pulses for detector development <b>2016</b> ,		1
4	High-speed imaging at high x-ray energy: CdTe sensors coupled to charge-integrating pixel array detectors <b>2016</b> ,		1
3	Characterization of a Fast-Framing X-Ray Camera With Wide Dynamic Range for High-Energy Imaging <b>2019</b> ,		1
2	Very-High Dynamic Range, 10,000 Frames/Second Pixel Array Detector for Electron Microscopy.. <i>Microscopy and Microanalysis</i> , <b>2022</b> , 1-16	0.5	1
1	Wide Dynamic Range, 10 kHz Framing Detector for 4D-STEM. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 992-993	0.5	0