

Katherine S Shanks

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

482
citations

1306789

7
h-index

1125271

13
g-index

17
all docs

17
docs citations

17
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	High Dynamic Range Pixel Array Detector for Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 237-249.	0.2	334
2	High Dynamic Range X-Ray Detector Pixel Architectures Utilizing Charge Removal. <i>IEEE Transactions on Nuclear Science</i> , 2017, 64, 1101-1107.	1.2	37
3	High-dynamic-range coherent diffractive imaging: ptychography using the mixed-mode pixel array detector. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 1167-1174.	1.0	32
4	Very-High Dynamic Range, 10,000 Frames/Second Pixel Array Detector for Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2022, 28, 425-440.	0.2	21
5	High-speed X-ray imaging pixel array detector for synchrotron bunch isolation. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 395-403.	1.0	19
6	Mechanisms of oxide growth during the combustion of Al:Zr nanolaminate foils. <i>Combustion and Flame</i> , 2018, 191, 442-452.	2.8	9
7	Piezomagnetic switching and complex phase equilibria in uranium dioxide. <i>Communications Materials</i> , 2021, 2, .	2.9	9
8	High-speed x-ray imaging with the Keck pixel array detector (Keck PAD) for time-resolved experiments at synchrotron sources. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
9	Development of a Fast-Framing X-Ray Camera With Wide Dynamic Range for High-Energy Imaging. , 2018, , .		4
10	The high dynamic range pixel array detector (HDR-PAD): Concept and design. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
11	Potential beneficial effects of electron-hole plasmas created in silicon sensors by XFEL-like high intensity pulses for detector development. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	2
12	Characterization of a Fast-Framing X-Ray Camera With Wide Dynamic Range for High-Energy Imaging. , 2019, , .		2
13	Wide Dynamic Range, 10 kHz Framing Detector for 4D-STEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 992-993.	0.2	2
14	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> , 2021, , 1-1.	1.2	2
15	High-speed imaging at high x-ray energy: CdTe sensors coupled to charge-integrating pixel array detectors. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
16	The MM-PAD-2.1: A Wide-Dynamic-Range Detector For High-Energy X-ray Imaging. , 2020, , .		1
17	Low-noise, low-power, event-driven read-out of counting Pixel Array Detectors. , 2019, , .		0