

G K N Kallon

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

206
citations

1307594

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1199594

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docs citations

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times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of a variable focal spot size on the contrast channels retrieved in edge-illumination X-ray phase contrast imaging. <i>Scientific Reports</i> , 2022, 12, 3354.	3.3	5
2	Replacing the detector mask with a structured scintillator in edge-illumination x-ray phase contrast imaging. <i>Journal of Applied Physics</i> , 2022, 131, 204501.	2.5	1
3	An experimental approach to optimising refraction sensitivity for lab-based edge illumination phase contrast set-ups. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 195404.	2.8	5
4	Effective modeling of high-energy laboratory-based x-ray phase contrast imaging utilizing absorption masks or gratings. <i>Journal of Applied Physics</i> , 2020, 128, 214503.	2.5	4
5	Tracking based, high-resolution single-shot multimodal x-ray imaging in the laboratory enabled by the sub-pixel resolution capabilities of the MA-NCH detector. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	7
6	A compact system for intraoperative specimen imaging based on edge illumination x-ray phase contrast. <i>Physics in Medicine and Biology</i> , 2019, 64, 235005.	3.0	22
7	Multimodal Phase-Based X-Ray Microtomography with Nonmicrofocal Laboratory Sources. <i>Physical Review Applied</i> , 2017, 8, .	3.8	14
8	Comparing signal intensity and refraction sensitivity of double and single mask edge illumination lab-based x-ray phase contrast imaging set-ups. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 415401.	2.8	19
9	Note: Design and realization of a portable edge illumination X-ray phase contrast imaging system. <i>Review of Scientific Instruments</i> , 2015, 86, 096102.	1.3	4
10	A laboratory based edge-illumination x-ray phase-contrast imaging setup with two-directional sensitivity. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	23
11	Achromatic approach to phase-based multi-modal imaging with conventional X-ray sources. <i>Optics Express</i> , 2015, 23, 16473.	3.4	47
12	Beam tracking approach for single-shot retrieval of absorption, refraction, and dark-field signals with laboratory x-ray sources. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	55