

# G K N Kallon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1434440/publications.pdf>

Version: 2024-02-01

12  
papers

206  
citations

1307594

7  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

136  
citing authors

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