

# Aleksandr Barannikov

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8538819/aleksandr-barannikov-publications-by-citations.pdf>

**Version:** 2024-04-28

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.

12  
papers

88  
citations

5  
h-index

9  
g-index

17  
ext. papers

122  
ext. citations

1.9  
avg, IF

2.07  
L-index

#	Paper	IF	Citations
12	Laser heating setup for diamond anvil cells for in situ synchrotron and in house high and ultra-high pressure studies. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 104501	1.7	27
11	Polymer X-ray refractive nano-lenses fabricated by additive technology. <i>Optics Express</i> , <b>2017</b> , 25, 14173-14181	3.5	21
10	X-ray refractive parabolic axicon lens. <i>Optics Express</i> , <b>2017</b> , 25, 28469	3.3	14
9	CRL-based ultra-compact transfocator for X-ray focusing and microscopy. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 1208-1212	2.4	7
8	Optical performance and radiation stability of polymer X-ray refractive nano-lenses. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 714-719	2.4	6
7	Laboratory and synchrotron tests of two-dimensional parabolic x-ray compound refractive lens made of single-crystal diamond <b>2016</b> ,		3
6	Mini-Transfocator for X-ray Focusing and Microscopy. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 294-295	0.5	3
5	X-ray microscope with refractive x-ray optics and microfocus laboratory source <b>2017</b> ,		3
4	Towards high-quality nitrogen-doped diamond single crystals for X-ray optics. <i>Journal of Synchrotron Radiation</i> , <b>2021</b> , 28, 104-110	2.4	2
3	Metrological approach for diagnostics of x-ray refractive lenses <b>2020</b> ,		1
2	X-ray Reflecto-Interferometry Technique Using a Microfocus Laboratory Source. <i>Journal of Surface Investigation</i> , <b>2021</b> , 15, 39-45	0.5	
1	Deformation field mapping of the X-ray silicon Fresnel Zone Plate. <i>Procedia Structural Integrity</i> , <b>2022</b> , 40, 40-45	1	