

# William C Chuirazzi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8230987/publications.pdf>

Version: 2024-02-01

15  
papers

1,455  
citations

1163117

8  
h-index

1199594

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

2750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive X-ray detectors made of methylammonium lead tribromide perovskite single crystals. <i>Nature Photonics</i> , 2016, 10, 333-339.	31.4	1,271
2	Detection of charged particles with a methylammonium lead tribromide perovskite single crystal. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 848, 106-108.	1.6	61
3	Bulk GaN alpha-particle detector with large depletion region and improved energy resolution. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 849, 11-15.	1.6	25
4	Radiation effects on the electrode and electrolyte of a lithium-ion battery. <i>Journal of Power Sources</i> , 2016, 318, 242-250.	7.8	23
5	Non-Destructive post-irradiation examination results of the first modern fueled experiments in TREAT. <i>Journal of Nuclear Materials</i> , 2020, 541, 152442.	2.7	21
6	Evaluation of polyvinyl toluene scintillators for fast neutron imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 543-551.	1.5	16
7	Measuring Thickness-Dependent Relative Light Yield and Detection Efficiency of Scintillator Screens. <i>Journal of Imaging</i> , 2020, 6, 56.	3.0	9
8	Boron-Based Neutron Scintillator Screens for Neutron Imaging. <i>Journal of Imaging</i> , 2020, 6, 124.	3.0	8
9	Seeing through nuclear fuel: Three-dimensional, nondestructive X-ray microscopy and volumetric analyses of neutron-irradiated TRISO-coated fuel kernels. <i>MRS Advances</i> , 2021, 6, 1043-1047.	0.9	5
10	3D analysis of TRISO fuel compacts via X-ray computed tomography. <i>Journal of Nuclear Materials</i> , 2022, 565, 153745.	2.7	5
11	Gamma Discriminating Scintillation Screens for Digital Transfer Method Neutron Imaging. , 2020, , .		4
12	Fast Neutron Scintillator Screens for Neutron Imaging Using a Layered Polymer-Phosphor Architecture. <i>Quantum Beam Science</i> , 2022, 6, 14.	1.2	4
13	Initial development and testing of dysprosium-based scintillators for digital transfer method neutron imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 985, 164669.	1.6	2
14	Characterization of Polyvinyl Toluene (PVT) scintillators for fast neutron imaging. , 2018, , .		1
15	Performance Testing of Dysprosium-Based Scintillation Screens and Demonstration of Digital Transfer Method Neutron Radiography of Highly Radioactive Samples. <i>Nuclear Technology</i> , 2022, 208, 455-467.	1.2	0