

# William C Chuirazzi

## List of Publications by Year in descending order

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

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