

Pavel Trtik

List of Publications by Year in descending order

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18
papers

771
citations

1040056

9
h-index

888059

17
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18
all docs

18
docs citations

18
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Stripe and ring artifact removal with combined waveletâ€”Fourier filtering. Optics Express, 2009, 17, 8567.	3.4	514
2	Progress in High-resolution Neutron Imaging at the Paul Scherrer Institut - The Neutron Microscope Project. Journal of Physics: Conference Series, 2016, 746, 012004.	0.4	55
3	Implementation and assessment of the black body bias correction in quantitative neutron imaging. PLoS ONE, 2019, 14, e0210300.	2.5	51
4	Isotopically-enriched gadolinium-157 oxysulfide scintillator screens for the high-resolution neutron imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 788, 67-70.	1.6	38
5	Light Yield Enhancement of 157-Gadolinium Oxysulfide Scintillator Screens for the High-Resolution Neutron Imaging. MethodsX, 2019, 6, 107-114.	1.6	18
6	Assessment of Electromagnetic Stirrer Agitated Liquid Metal Flows by Dynamic Neutron Radiography. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 1045-1054.	2.1	17
7	800 fps neutron radiography of air-water two-phase flow. MethodsX, 2018, 5, 96-102.	1.6	13
8	Neutron microtomography of voids in gold. MethodsX, 2017, 4, 492-497.	1.6	11
9	Phase boundary dynamics of bubble flow in a thick liquid metal layer under an applied magnetic field. Physical Review Fluids, 2020, 5, .	2.5	11
10	The XTRA Option at the NEUTRA Facilityâ€”More Than 10 Years of Bi-Modal Neutron and X-ray Imaging at PSI. Applied Sciences (Switzerland), 2021, 11, 3825.	2.5	9
11	Sample container for high-resolution neutron imaging of spent nuclear fuel cladding sections. Review of Scientific Instruments, 2020, 91, 056103.	1.3	7
12	Argon bubble flow in liquid gallium in external magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2020, 63, S51-S57.	0.6	7
13	Resolving Gas Bubbles Ascending in Liquid Metal from Low-SNR Neutron Radiography Images. Applied Sciences (Switzerland), 2021, 11, 9710.	2.5	7
14	Mapping Spatial Distribution of Pores in an Additively Manufactured Gold Alloy Using Neutron Microtomography. Applied Sciences (Switzerland), 2021, 11, 1512.	2.5	5
15	NEURAPâ€”A Dedicated Neutron-Imaging Facility for Highly Radioactive Samples. Journal of Imaging, 2021, 7, 57.	3.0	3
16	Optical flow method for neutron radiography flow diagnostics. Physics of Fluids, 2021, 33, 101702.	4.0	3
17	Particle tracking velocimetry in liquid gallium flow around a cylindrical obstacle. Experiments in Fluids, 2022, 63, .	2.4	2
18	10.1063/5.0063836.1. , 2021, , .		0