

Manuel Morgano

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

503
citations

687363

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22
g-index

23
all docs

23
docs citations

23
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	1.6	90
2	Chasing quantitative biases in neutron imaging with scintillator-camera detectors: a practical method with black body grids. Optics Express, 2018, 26, 15769.	3.4	60
3	Neutron imaging options at the BOA beamline at Paul Scherrer Institut. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 754, 46-56.	1.6	57
4	Implementation and assessment of the black body bias correction in quantitative neutron imaging. PLoS ONE, 2019, 14, e0210300.	2.5	51
5	High resolution neutron imaging capabilities at BOA beamline at Paul Scherrer Institut. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 486-493.	1.6	32
6	New perspectives for neutron imaging through advanced event-mode data acquisition. Scientific Reports, 2021, 11, 21360.	3.3	29
7	On-the-fly Neutron Tomography of Water Transport into Lupine Roots. Physics Procedia, 2015, 69, 292-298.	1.2	23
8	Unlocking high spatial resolution in neutron imaging through an add-on fibre optics taper. Optics Express, 2018, 26, 1809.	3.4	22
9	Coupling between creep and redox behavior in nickel - yttria stabilized zirconia observed in-situ by monochromatic neutron imaging. Journal of Power Sources, 2017, 340, 167-175.	7.8	17
10	Neutron Diffraction and Diffraction Contrast Imaging for Mapping the TRIP Effect under Load Path Change. Materials, 2020, 13, 1450.	2.9	15
11	Bragg-edge attenuation spectra at voxel level from 4D wavelength-resolved neutron tomography. Journal of Applied Crystallography, 2020, 53, 188-196.	4.5	15
12	Hybrid sputtering/evaporation deposition of Cu(In,Ga)Se ₂ thin film solar cells. Energy Procedia, 2011, 10, 138-143.	1.8	13
13	Flexible sample environment for high resolution neutron imaging at high temperatures in controlled atmosphere. Review of Scientific Instruments, 2015, 86, 125109.	1.3	13
14	Visualization and quantification of inhomogeneous and anisotropic magnetic fields by polarized neutron grating interferometry. Nature Communications, 2019, 10, 3788.	12.8	13
15	Detectors Requirements for the ODIN Beamline at ESS. Physics Procedia, 2015, 69, 152-160.	1.2	11
16	100 Hz neutron radiography at the BOA beamline using a parabolic focussing guide. MethodsX, 2016, 3, 535-541.	1.6	9
17	A Monte Carlo approach for scattering correction towards quantitative neutron imaging of polycrystals. Journal of Applied Crystallography, 2018, 51, 386-394.	4.5	8
18	Nondestructive characterization of laser powder bed fusion parts with neutron Bragg edge imaging. Additive Manufacturing, 2021, 39, 101848.	3.0	8

#	ARTICLE	IF	CITATIONS
19	Investigating phase behavior and structural changes in NiO/Ni-YSZ composite with monochromatic in-situ 2D and static 3D neutron imaging. <i>Physica B: Condensed Matter</i> , 2018, 551, 24-28.	2.7	6
20	Nanostructured Silicon-Based Films for Photovoltaics: Recent Progresses and Perspectives. <i>Science of Advanced Materials</i> , 2011, 3, 388-400.	0.7	6
21	Visualization of compensating currents in type-II/1 superconductor via high field cooling. <i>Applied Physics Letters</i> , 2020, 116, 192602.	3.3	4
22	Microstructural Characterization of a Single Crystal Copper Rod Using Monochromatic Neutron Radiography Scan and Tomography: A Test Experiment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7750.	2.5	1
23	Optical identification and quantification of single neutron detection in 6LiF/ZnS scintillators using a CMOS camera. <i>Journal of Instrumentation</i> , 2018, 13, P10033-P10033.	1.2	0