

# Manuel Morgano

## List of Publications by Year in descending order

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papers

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687363

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677142

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docs citations

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times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nondestructive characterization of laser powder bed fusion parts with neutron Bragg edge imaging. <i>Additive Manufacturing</i> , 2021, 39, 101848.	3.0	8
2	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
3	New perspectives for neutron imaging through advanced event-mode data acquisition. <i>Scientific Reports</i> , 2021, 11, 21360.	3.3	29
4	The instrument suite of the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 957, 163402.	1.6	90
5	Visualization of compensating currents in type-II/1 superconductor via high field cooling. <i>Applied Physics Letters</i> , 2020, 116, 192602.	3.3	4
6	Neutron Diffraction and Diffraction Contrast Imaging for Mapping the TRIP Effect under Load Path Change. <i>Materials</i> , 2020, 13, 1450.	2.9	15
7	Bragg-edge attenuation spectra at voxel level from 4D wavelength-resolved neutron tomography. <i>Journal of Applied Crystallography</i> , 2020, 53, 188-196.	4.5	15
8	Visualization and quantification of inhomogeneous and anisotropic magnetic fields by polarized neutron grating interferometry. <i>Nature Communications</i> , 2019, 10, 3788.	12.8	13
9	Implementation and assessment of the black body bias correction in quantitative neutron imaging. <i>PLoS ONE</i> , 2019, 14, e0210300.	2.5	51
10	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
11	A Monte Carlo approach for scattering correction towards quantitative neutron imaging of polycrystals. <i>Journal of Applied Crystallography</i> , 2018, 51, 386-394.	4.5	8
12	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
13	Unlocking high spatial resolution in neutron imaging through an add-on fibre optics taper. <i>Optics Express</i> , 2018, 26, 1809.	3.4	22
14	Chasing quantitative biases in neutron imaging with scintillator-camera detectors: a practical method with black body grids. <i>Optics Express</i> , 2018, 26, 15769.	3.4	60
15	Coupling between creep and redox behavior in nickel - yttria stabilized zirconia observed in-situ by monochromatic neutron imaging. <i>Journal of Power Sources</i> , 2017, 340, 167-175.	7.8	17
16	100 Hz neutron radiography at the BOA beamline using a parabolic focussing guide. <i>MethodsX</i> , 2016, 3, 535-541.	1.6	9
17	Detectors Requirements for the ODIN Beamline at ESS. <i>Physics Procedia</i> , 2015, 69, 152-160.	1.2	11
18	Flexible sample environment for high resolution neutron imaging at high temperatures in controlled atmosphere. <i>Review of Scientific Instruments</i> , 2015, 86, 125109.	1.3	13

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19	On-the-fly Neutron Tomography of Water Transport into Lupine Roots. Physics Procedia, 2015, 69, 292-298.	1.2	23
20	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
21	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
22	Hybrid sputtering/evaporation deposition of Cu(In,Ga)Se <sub>2</sub> thin film solar cells. Energy Procedia, 2011, 10, 138-143.	1.8	13
23	Nanostructured Silicon-Based Films for Photovoltaics: Recent Progresses and Perspectives. Science of Advanced Materials, 2011, 3, 388-400.	0.7	6