

Ralph P Harti

List of Publications by Year in descending order

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papers

384
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687363

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all docs

21
docs citations

21
times ranked

392
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of compensating currents in type-II/1 superconductor via high field cooling. Applied Physics Letters, 2020, 116, 192602.	3.3	4
2	3D sub-pixel correlation length imaging. Scientific Reports, 2020, 10, 1002.	3.3	5
3	Operando Visualization of Water Distribution in Gas Diffusion Media of PEFCs with an Optimized Neutron Grating Interferometer. Journal of the Electrochemical Society, 2020, 167, 064509.	2.9	4
4	Visualization and quantification of inhomogeneous and anisotropic magnetic fields by polarized neutron grating interferometry. Nature Communications, 2019, 10, 3788.	12.8	13
5	Selective Visualization of Water in Fuel Cell Gas Diffusion Layers with Neutron Dark-Field Imaging. Journal of the Electrochemical Society, 2019, 166, F149-F157.	2.9	19
6	Achromatic Non-Interferometric Single Grating Neutron Dark-Field Imaging. Scientific Reports, 2019, 9, 19649.	3.3	11
7	Dynamic volume magnetic domain wall imaging in grain oriented electrical steel at power frequencies with accumulative high-frame rate neutron dark-field imaging. Scientific Reports, 2018, 8, 15754.	3.3	18
8	Visualizing the heterogeneous breakdown of a fractal microstructure during compaction by neutron dark-field imaging. Scientific Reports, 2018, 8, 17845.	3.3	17
9	Domain formation in the type-II/1 superconductor niobium: Interplay of pinning, geometry, and attractive vortex-vortex interaction. Physical Review B, 2017, 96, .	3.2	20
10	Sub-pixel correlation length neutron imaging: Spatially resolved scattering information of microstructures on a macroscopic scale. Scientific Reports, 2017, 7, 44588.	3.3	36
11	Statistical uncertainty in the dark-field and transmission signal of grating interferometry. Review of Scientific Instruments, 2017, 88, 103704.	1.3	6
12	Visibility simulation of realistic grating interferometers including grating geometries and energy spectra. Optics Express, 2017, 25, 1019.	3.4	12
13	Small Angle Scattering in Neutron Imaging—A Review. Journal of Imaging, 2017, 3, 64.	3.0	27
14	Effect of tomography resolution on the calculated microscopic properties of porous materials: Comparison of sandstone and carbonate rocks. Applied Physics Letters, 2016, 109, 104102.	3.3	24
15	<i>In-situ</i> visualization of stress-dependent bulk magnetic domain formation by neutron grating interferometry. Applied Physics Letters, 2016, 108, .	3.3	28
16	Frequency-Induced Bulk Magnetic Domain-Wall Freezing Visualized by Neutron Dark-Field Imaging. Physical Review Applied, 2016, 6, .	3.8	13
17	Magnetization Response of the Bulk and Supplementary Magnetic Domain Structure in High-Permeability Steel Laminations Visualized <i>In-Situ</i> by Neutron Dark-Field Imaging. Physical Review Applied, 2016, 6, .	3.8	20
18	Wavelength-dispersive dark-field contrast: micrometre structure resolution in neutron imaging with gratings. Journal of Applied Crystallography, 2016, 49, 569-573.	4.5	43

#	ARTICLE	IF	CITATIONS
19	Quantification of the sensitivity range in neutron dark-field imaging. Review of Scientific Instruments, 2015, 86, 123704.	1.3	24
20	3D FIB SEM imaging of oil filled chalk: What are the challenges?. Microscopy and Microanalysis, 2015, 21, 631-632.	0.4	2
21	Resolution dependence of petrophysical parameters derived from X-ray tomography of chalk. Applied Physics Letters, 2014, 105, .	3.3	38