

Magnus Nord

List of Publications by Year in descending order

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38
papers

880
citations

430874

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477307

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41
all docs

41
docs citations

41
times ranked

1706
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic resolution HOLZ-STEM imaging of atom position modulation in oxide heterostructures. Ultramicroscopy, 2021, 226, 113296.	1.9	4
2	Novel class of nanostructured metallic glass films with superior and tunable mechanical properties. Acta Materialia, 2021, 213, 116955.	7.9	32
3	Electrochemical reduction of CO ₂ to synthesis gas on CNT supported Cu _x Zn _{1-x} O catalysts. Catalysis Today, 2020, 357, 311-321.	4.4	22
4	Fast Pixelated Detectors in Scanning Transmission Electron Microscopy. Part I: Data Acquisition, Live Processing, and Storage. Microscopy and Microanalysis, 2020, 26, 653-666.	0.4	39
5	Fast Pixelated Detectors in Scanning Transmission Electron Microscopy. Part II: Post-Acquisition Data Processing, Visualization, and Structural Characterization. Microscopy and Microanalysis, 2020, 26, 944-963.	0.4	24
6	Evaluation of different rectangular scan strategies for STEM imaging. Ultramicroscopy, 2020, 215, 113021.	1.9	10
7	LiberTEM: Software platform for scalable multidimensional data processing in transmission electron microscopy. Journal of Open Source Software, 2020, 5, 2006.	4.6	26
8	Characterisation of a High-Power Impulse Magnetron Sputtered C/Mo/W wear resistant coating by transmission electron microscopy. Surface and Coatings Technology, 2019, 377, 124853.	4.8	4
9	Towards Reproducible and Transparent Science of (Big) Electron Microscopy Data Using Version Control. Microscopy and Microanalysis, 2019, 25, 232-233.	0.4	0
10	Strain Anisotropy and Magnetic Domains in Embedded Nanomagnets. Small, 2019, 15, e1904738.	10.0	30
11	Open Source Development Tools for Robust and Reproducible Electron Microscopy Data Analysis. Microscopy and Microanalysis, 2019, 25, 138-139.	0.4	2
12	Order and disorder in the magnetization of the chiral crystal CrNb_3S_6 . Physical Review B, 2019, 99, .	3.2	27
13	Liftout of High-Quality Thin Sections of a Perovskite Oxide Thin Film Using a Xenon Plasma Focused Ion Beam Microscope. Microscopy and Microanalysis, 2019, 25, 115-118.	0.4	8
14	Nanomagnets: Strain Anisotropy and Magnetic Domains in Embedded Nanomagnets (Small 52/2019). Small, 2019, 15, 1970287.	10.0	1
15	Three-dimensional subnanoscale imaging of unit cell doubling due to octahedral tilting and cation modulation in strained perovskite thin films. Physical Review Materials, 2019, 3, .	2.4	12
16	Imaging Structure and Magnetisation in New Ways Using 4D STEM. Microscopy and Microanalysis, 2018, 24, 180-181.	0.4	1
17	Optimising multi-frame ADF-STEM for high-precision atomic-resolution strain mapping. Ultramicroscopy, 2017, 179, 57-62.	1.9	46
18	Atomap: a new software tool for the automated analysis of atomic resolution images using two-dimensional Gaussian fitting. Advanced Structural and Chemical Imaging, 2017, 3, 9.	4.0	159

#	ARTICLE	IF	CITATIONS
19	Quantitative strain analysis of InAs/GaAs quantum dot materials. Scientific Reports, 2017, 7, 45376.	3.3	17
20	The corrosion of Zr(Fe, Cr) ₂ and Zr ₂ Fe secondary phase particles in Zircaloy-4 under 350 Å°C pressurised water conditions. Corrosion Science, 2017, 128, 213-223.	6.6	44
21	Magnetic domain configuration of (111)-oriented LaFeO ₃ epitaxial thin films. APL Materials, 2017, 5, .	5.1	7
22	Characterisation of amorphous molybdenum silicide (MoSi) superconducting thin films and nanowires. Superconductor Science and Technology, 2017, 30, 084010.	3.5	45
23	Atomap - Automated Analysis of Atomic Resolution STEM Images. Microscopy and Microanalysis, 2017, 23, 426-427.	0.4	1
24	Strategy for reliable strain measurement in InAs/GaAs materials from high-resolution Z-contrast STEM images. Journal of Physics: Conference Series, 2017, 902, 012021.	0.4	2
25	Electron Microscopy (Big and Small) Data Analysis With the Open Source Software Package HyperSpy. Microscopy and Microanalysis, 2017, 23, 214-215.	0.4	74
26	Methodology to Improve Strain Measurement in III-V Semiconductors Materials. Microscopy and Microanalysis, 2017, 23, 1416-1417.	0.4	0
27	Developing Rapid and Advanced Visualisation of Magnetic Structures Using 2-D Pixelated STEM Detectors. Microscopy and Microanalysis, 2016, 22, 530-531.	0.4	3
28	Towards Mapping Perovskite Oxide 3-D Structure Using Two-Dimensional Pixelated STEM Detector. Microscopy and Microanalysis, 2016, 22, 476-477.	0.4	1
29	Assessing electron beam sensitivity for SrTiO ₃ and La _{0.7} Sr _{0.3} MnO ₃ using electron energy loss spectroscopy. Ultramicroscopy, 2016, 169, 98-106.	1.9	17
30	Vanadium Substitution in Li ₂ MnSiO ₄ /C as Positive Electrode for Li Ion Batteries. Journal of Physical Chemistry C, 2016, 120, 11359-11371.	3.1	20
31	Concurrent magnetic and structural reconstructions at the interface of (111)-oriented $L_{a-x}Sr_xMnO_3/SrTiO_3$ hetero-epitaxial thin films. Scientific Reports, 2016, 6, 23572.	3.2	26
32	Effect of Polar (111)-Oriented SrTiO ₃ on Initial Perovskite Growth. Crystal Growth and Design, 2016, 16, 2357-2362.	3.0	32
33	Structural investigation of epitaxial LaFeO ₃ thin films on (111) oriented SrTiO ₃ by transmission electron microscopy. Journal of Physics: Conference Series, 2015, 644, 012002.	0.4	9
34	Materials Development Aided by Atomic-Resolution Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 1515-1516.	0.4	0
35	Structural phases driven by oxygen vacancies at the La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ hetero-interface. Applied Physics Letters, 2015, 106, .	3.3	42
36	Silicon-core glass fibres as microwire radial-junction solar cells. Scientific Reports, 2014, 4, 6283.	3.3	52

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37	In-plane structural order of domain engineered La _{0.7} Sr _{0.3} MnO ₃ thin films. Philosophical Magazine, 2013, 93, 1549-1562.	1.6	9
38	Surface stability of epitaxial La _{0.7} Sr _{0.3} MnO ₃ thin films on (111)-oriented SrTiO ₃ . Journal of Applied Physics, 2013, 113, .	2.5	31