

Berit Goodge

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,436
citations

566801

15
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315357

38
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46
all docs

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docs citations

46
times ranked

1243
citing authors

#	ARTICLE	IF	CITATIONS
19	Improved control of atomic layering in perovskite-related homologous series. <i>APL Materials</i> , 2021, 9, .	2.2	14
20	Epitaxial SrTiO_3 film on silicon with narrow rocking curve despite huge defect density. <i>Physical Review Materials</i> , 2019, 3, .	0.9	12
21	Influence of substrates and rutile seed layers on the assembly of hydrothermally grown rutile TiO_2 nanorod arrays. <i>Journal of Crystal Growth</i> , 2018, 494, 26-35.	0.7	11
22	Direct Electron Detection for Atomic Resolution in situ EELS. <i>Microscopy and Microanalysis</i> , 2018, 24, 1844-1845.	0.2	10
23	Defect accommodation in off-stoichiometric SrTiO_3 Ruddlesden-Popper superlattices studied with positron annihilation spectroscopy. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	10
24	Disentangling Coexisting Structural Order Through Phase Lock-In Analysis of Atomic-Resolution STEM Data. <i>Microscopy and Microanalysis</i> , 2022, 28, 404-411.	0.2	9
25	Synthesis and electronic properties of Nd_3O_7 Ruddlesden-Popper nickelate thin films. <i>Physical Review Materials</i> , 2022, 6, .	0.9	7
26	Direct Electron Detection for Atomic-Resolution EELS Mapping at Cryogenic Temperature. <i>Microscopy and Microanalysis</i> , 2018, 24, 454-455.	0.2	6
27	$\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ / $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ / $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ trilayers with subnanometer rms roughness. <i>APL Materials</i> , 2021, 9, .	2.2	6
28	Atomic Resolution CryoSTEM Across Continuously Variable Temperatures. <i>Microscopy and Microanalysis</i> , 2019, 25, 930-931.	0.2	4
29	Atomic-Scale Characterization Reveals Core-Shell Structure of Enamel Crystallites. <i>Microscopy and Microanalysis</i> , 2019, 25, 1722-1723.	0.2	4
30	Quantum oscillations and quasiparticle properties of thin film Sr_2RuO_4 . <i>Physical Review B</i> , 2021, 104, .	0.2	4
31	Disentangling types of lattice disorder impacting superconductivity in Sr_2RuO_4 by quantitative local probes. <i>APL Materials</i> , 2022, 10, .	2.2	4
32	Aberration-Corrected STEM/EELS at Cryogenic Temperatures. <i>Microscopy and Microanalysis</i> , 2017, 23, 428-429.	0.2	3
33	Atomic Resolution STEM Imaging of Human Enamel Crystallites and Characterization of its Localized Impurities. <i>Microscopy and Microanalysis</i> , 2018, 24, 1266-1267.	0.2	3
34	Sub-Ångstrom EDX Mapping Enabled by a High-brightness Cold Field Emission Source. <i>Microscopy and Microanalysis</i> , 2020, 26, 1508-1511.	0.2	3
35	Unit-cell-thick domain in free-standing quasi-two-dimensional ferroelectric material. <i>Physical Review Materials</i> , 2021, 5, .	0.9	3
36	Stable Continuously Variable Temperature Cryo-STEM to Understand the Structurally Driven Phase Transition in the 2D Layered Magnet Nb_3Br_8 . <i>Microscopy and Microanalysis</i> , 2020, 26, 1090-1092.	0.2	1

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37	Tracking quantum phase transitions with continuously variable temperature cryo-STEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 960-961.	0.2	1
38	Probing the Atomic Lattice Response of Quantum Materials Across Phase Transitions. <i>Microscopy and Microanalysis</i> , 2018, 24, 80-81.	0.2	0
39	Harnessing Local Sample Variations to Generate Self-Consistent EELS References for Stoichiometry Quantification. <i>Microscopy and Microanalysis</i> , 2019, 25, 580-581.	0.2	0
40	Atomic-resolution spectroscopy of quantum materials at cryogenic temperatures. <i>Microscopy and Microanalysis</i> , 2019, 25, 582-583.	0.2	0
41	Unraveling the Relationship Between Layer Stacking and Magnetic Order in Nb ₃ X ₈ Systems via Controlled-Temperature Cryo-STEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 1852-1853.	0.2	0
42	Tracking motion of topological defects in a stripe charge-ordered phase with continuously variable temperature cryo-STEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 924-926.	0.2	0
43	Few-second EELS mapping with atomic-resolution. <i>Microscopy and Microanalysis</i> , 2021, 27, 2704-2706.	0.2	0
44	Atomic-resolution STEM-EELS to probe and stabilize superconductivity in thin films. <i>Microscopy and Microanalysis</i> , 2021, 27, 346-347.	0.2	0