

Berit Goodge

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Superconducting Dome in $\text{Nd}_{0.775}\text{Sr}_{0.225}\text{NiO}_2$. <i>Infinite Layer Films</i> . Physical Review Letters, 2020, 125, 027001.		
2	A Superconducting Praseodymium Nickelate with Infinite Layer Structure. Nano Letters, 2020, 20, 5735-5740.	9.1	172
3	Nickelate Superconductivity without Rare-Earth Magnetism: $(\text{La},\text{Sr})\text{NiO}_2$. Advanced Materials, 2021, 33, e2104083.	21.0	139
4	Superconductivity in a quintuple-layer square-planar nickelate. Nature Materials, 2022, 21, 160-164.	27.5	117
5	Chemical gradients in human enamel crystallites. Nature, 2020, 583, 66-71.	27.8	112
6	Aspects of the synthesis of thin film superconducting infinite-layer nickelates. APL Materials, 2020, 8, .	5.1	107
7	Doping evolution of the Mott-Hubbard landscape in infinite-layer nickelates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	101
8	Synthesis science of SrRuO_3 and CaRuO_3 epitaxial films with high residual resistivity ratios. APL Materials, 2018, 6, .	5.1	61
9	Image registration of low signal-to-noise cryo-STEM data. Ultramicroscopy, 2018, 191, 56-65.	1.9	59
10	Isotropic Pauli-limited superconductivity in the infinite-layer nickelate $\text{Nd}_{0.775}\text{Sr}_{0.225}\text{NiO}_2$. Nature Physics, 2021, 17, 473-477.	16.7	50
11	Strain-stabilized superconductivity. Nature Communications, 2021, 12, 59.	12.8	43
12	Freestanding crystalline $\text{YB}_{2}\text{C}_{3}\text{O}_{7}$. <i>Advances</i> , 2022, 8, eabg5860.	2.4	38
13	Demystifying the growth of superconducting Sr_2RuO_4 thin films. APL Materials, 2018, 6, .	5.1	33
14	Atomic-Resolution Cryo-STEM Across Continuously Variable Temperatures. Microscopy and Microanalysis, 2020, 26, 439-446.	0.4	23
15	Liberating a hidden antiferroelectric phase with interfacial electrostatic engineering. Science Advances, 2022, 8, eabg5860.	10.3	18
16	Strain relaxation induced transverse resistivity anomalies in Sr_2RuO_4 thin films. Physical Review B, 2020, 102, .	3.2	15
17	Interfacial charge transfer and persistent metallicity of ultrathin $\text{SrIrO}_3/\text{SrRuO}_3$ heterostructures. Science Advances, 2022, 8, eabj0481.	10.3	15
18	Enhanced Sensitivity of Atomic-Resolution Spectroscopic Imaging by Direct Electron Detection. Microscopy and Microanalysis, 2017, 23, 366-367.	0.4	14

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19	Improved control of atomic layering in perovskite-related homologous series. <i>APL Materials</i> , 2021, 9, .	5.1	14
20	Epitaxial SrTi_3 film on silicon with narrow rocking curve despite huge defect density. <i>Physical Review Materials</i> , 2019, 3, .	2.4	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.	1.5	11
22	Direct Electron Detection for Atomic Resolution <i>in situ</i> EELS. <i>Microscopy and Microanalysis</i> , 2018, 24, 1844-1845.	0.4	10
23	Defect accommodation in off-stoichiometric (SrTiO_3) SrO Ruddlesden-Popper superlattices studied with positron annihilation spectroscopy. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	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.	0.4	9
25	Synthesis and electronic properties of $\text{Nd}_{x}\text{Nd}_{1-x}\text{O}_{2+x}$ Ruddlesden-Popper nickelate thin films. <i>Physical Review Materials</i> , 2022, 6, .	2.4	11
26	Direct Electron Detection for Atomic-Resolution EELS Mapping at Cryogenic Temperature. <i>Microscopy and Microanalysis</i> , 2018, 24, 454-455.	0.4	6
27	$\text{YBa}_2\text{Cu}_3\text{O}_7$ - $\text{PrBa}_2\text{Cu}_3\text{O}_7$ - $\text{YBa}_2\text{Cu}_3\text{O}_7$ trilayers with subnanometer rms roughness. <i>APL Materials</i> , 2021, 9, .	5.1	6
28	Atomic Resolution CryoSTEM Across Continuously Variable Temperatures. <i>Microscopy and Microanalysis</i> , 2019, 25, 930-931.	0.4	4
29	Atomic-Scale Characterization Reveals Core-Shell Structure of Enamel Crystallites. <i>Microscopy and Microanalysis</i> , 2019, 25, 1722-1723.	0.4	4
30	Quantum oscillations and quasiparticle properties of thin film $\text{Sr}_{1-x}\text{Ru}_x\text{O}_3$. <i>Physical Review B</i> , 2021, 104, .	2.4	11
31	Disentangling types of lattice disorder impacting superconductivity in Sr_2RuO_4 by quantitative local probes. <i>APL Materials</i> , 2022, 10, .	5.1	4
32	Aberration-Corrected STEM/EELS at Cryogenic Temperatures. <i>Microscopy and Microanalysis</i> , 2017, 23, 428-429.	0.4	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.	0.4	3
34	Sub-Ångstrom EDX Mapping Enabled by a High-brightness Cold Field Emission Source. <i>Microscopy and Microanalysis</i> , 2020, 26, 1508-1511.	0.4	3
35	Unit-cell-thick domain in free-standing quasi-two-dimensional ferroelectric material. <i>Physical Review Materials</i> , 2021, 5, .	2.4	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.	0.4	1

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37	Tracking quantum phase transitions with continuously variable temperature cryo-STEM. Microscopy and Microanalysis, 2021, 27, 960-961.	0.4	1
38	Probing the Atomic Lattice Response of Quantum Materials Across Phase Transitions. Microscopy and Microanalysis, 2018, 24, 80-81.	0.4	0
39	Harnessing Local Sample Variations to Generate Self-Consistent EELS References for Stoichiometry Quantification. Microscopy and Microanalysis, 2019, 25, 580-581.	0.4	0
40	Atomic-resolution spectroscopy of quantum materials at cryogenic temperatures. Microscopy and Microanalysis, 2019, 25, 582-583.	0.4	0
41	Unraveling the Relationship Between Layer Stacking and Magnetic Order in Nb ₃ X ₈ Systems via Controlled-Temperature Cryo-STEM. Microscopy and Microanalysis, 2019, 25, 1852-1853.	0.4	0
42	Tracking motion of topological defects in a stripe charge-ordered phase with continuously variable temperature cryo-STEM. Microscopy and Microanalysis, 2021, 27, 924-926.	0.4	0
43	Few-second EELS mapping with atomic-resolution. Microscopy and Microanalysis, 2021, 27, 2704-2706.	0.4	0
44	Atomic-resolution STEM-EELS to probe and stabilize superconductivity in thin films. Microscopy and Microanalysis, 2021, 27, 346-347.	0.4	0