

Berit Goodge

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

579
citations

13
h-index

23
g-index

46
ext. papers

1,011
ext. citations

5.9
avg, IF

4.34
L-index

#	Paper	IF	Citations
43	Liberating a hidden antiferroelectric phase with interfacial electrostatic engineering.. <i>Science Advances</i> , 2022 , 8, eabg5860	14.3	3
42	Interfacial charge transfer and persistent metallicity of ultrathin SrIrO/SrRuO heterostructures.. <i>Science Advances</i> , 2022 , 8, eabj0481	14.3	4
41	Disentangling Coexisting Structural Order Through Phase Lock-In Analysis of Atomic-Resolution STEM Data.. <i>Microscopy and Microanalysis</i> , 2022 , 1-8	0.5	0
40	Disentangling types of lattice disorder impacting superconductivity in Sr ₂ RuO ₄ by quantitative local probes. <i>APL Materials</i> , 2022 , 10, 041114	5.7	0
39	Superconductivity in a quintuple-layer square-planar nickelate. <i>Nature Materials</i> , 2021 ,	27	17
38	Unit-cell-thick domain in free-standing quasi-two-dimensional ferroelectric material. <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
37	Quantum oscillations and quasiparticle properties of thin film Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2021 , 104,	3.3	2
36	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	0.5	
35	Tracking quantum phase transitions with continuously variable temperature cryo-STEM. <i>Microscopy and Microanalysis</i> , 2021 , 27, 960-961	0.5	
34	Few-second EELS mapping with atomic-resolution. <i>Microscopy and Microanalysis</i> , 2021 , 27, 2704-2706	0.5	
33	Doping evolution of the Mott-Hubbard landscape in infinite-layer nickelates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	33
32	Isotropic Pauli-limited superconductivity in the infinite-layer nickelate Nd _{0.775} Sr _{0.225} NiO ₂ . <i>Nature Physics</i> , 2021 , 17, 473-477	16.2	18
31	Strain-stabilized superconductivity. <i>Nature Communications</i> , 2021 , 12, 59	17.4	9
30	Improved control of atomic layering in perovskite-related homologous series. <i>APL Materials</i> , 2021 , 9, 021118	5.7	4
29	a-axis YBa ₂ Cu ₃ O _{7-x} /PrBa ₂ Cu ₃ O _{7-x} /YBa ₂ Cu ₃ O _{7-x} trilayers with subnanometer rms roughness. <i>APL Materials</i> , 2021 , 9, 021117	5.7	2
28	Atomic-resolution STEM-EELS to probe and stabilize superconductivity in thin films. <i>Microscopy and Microanalysis</i> , 2021 , 27, 346-347	0.5	
27	Nickelate Superconductivity without Rare-Earth Magnetism: (La,Sr)NiO. <i>Advanced Materials</i> , 2021 , 33, e2104083	24	29

26	Stable Continuously Variable Temperature Cryo-STEM to Understand the Structurally Driven Phase Transition in the 2D Layered Magnet Nb ₃ Br ₈ . <i>Microscopy and Microanalysis</i> , 2020 , 26, 1090-1092	0.5	1
25	Sub-ångstrom EDX Mapping Enabled by a High-brightness Cold Field Emission Source. <i>Microscopy and Microanalysis</i> , 2020 , 26, 1508-1511	0.5	2
24	A Superconducting Praseodymium Nickelate with Infinite Layer Structure. <i>Nano Letters</i> , 2020 , 20, 5735-5740	5.4	66
23	Atomic-Resolution Cryo-STEM Across Continuously Variable Temperatures. <i>Microscopy and Microanalysis</i> , 2020 , 26, 439-446	0.5	8
22	Chemical gradients in human enamel crystallites. <i>Nature</i> , 2020 , 583, 66-71	50.4	50
21	Superconducting Dome in Nd _{{1-x}Sr_{x}NiO_{2}} Infinite Layer Films. <i>Physical Review Letters</i> , 2020 , 125, 027001	7.4	87
20	Strain relaxation induced transverse resistivity anomalies in SrRuO ₃ thin films. <i>Physical Review B</i> , 2020 , 102,	3.3	12
19	Defect accommodation in off-stoichiometric (SrTiO ₃) _n SrO Ruddlesden-Popper superlattices studied with positron annihilation spectroscopy. <i>Applied Physics Letters</i> , 2020 , 117, 062901	3.4	4
18	Aspects of the synthesis of thin film superconducting infinite-layer nickelates. <i>APL Materials</i> , 2020 , 8, 041107	5.7	51
17	Atomic Resolution CryoSTEM Across Continuously Variable Temperatures. <i>Microscopy and Microanalysis</i> , 2019 , 25, 930-931	0.5	4
16	Atomic-Scale Characterization Reveals Core-Shell Structure of Enamel Crystallites. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1722-1723	0.5	2
15	Harnessing Local Sample Variations to Generate Self-Consistent EELS References for Stoichiometry Quantification. <i>Microscopy and Microanalysis</i> , 2019 , 25, 580-581	0.5	
14	Atomic-resolution spectroscopy of quantum materials at cryogenic temperatures. <i>Microscopy and Microanalysis</i> , 2019 , 25, 582-583	0.5	
13	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	0.5	
12	Freestanding crystalline YBa ₂ Cu ₃ O _{7-δ} heterostructure membranes. <i>Physical Review Materials</i> , 2019 , 3,	3.2	16
11	Epitaxial SrTiO ₃ film on silicon with narrow rocking curve despite huge defect density. <i>Physical Review Materials</i> , 2019 , 3,	3.2	8
10	Synthesis science of SrRuO ₃ and CaRuO ₃ epitaxial films with high residual resistivity ratios. <i>APL Materials</i> , 2018 , 6, 046101	5.7	41
9	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	1.6	10

8	Image registration of low signal-to-noise cryo-STEM data. <i>Ultramicroscopy</i> , 2018 , 191, 56-65	3.1	39
7	Direct Electron Detection for Atomic-Resolution EELS Mapping at Cryogenic Temperature. <i>Microscopy and Microanalysis</i> , 2018 , 24, 454-455	0.5	4
6	Atomic Resolution STEM Imaging of Human Enamel Crystallites and Characterization of its Localized Impurities. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1266-1267	0.5	3
5	Demystifying the growth of superconducting Sr2RuO4 thin films. <i>APL Materials</i> , 2018 , 6, 101108	5.7	23
4	Direct Electron Detection for Atomic Resolution in situ EELS. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1844-1845	0.5	8
3	Probing the Atomic Lattice Response of Quantum Materials Across Phase Transitions. <i>Microscopy and Microanalysis</i> , 2018 , 24, 80-81	0.5	
2	Enhanced Sensitivity of Atomic-Resolution Spectroscopic Imaging by Direct Electron Detection. <i>Microscopy and Microanalysis</i> , 2017 , 23, 366-367	0.5	14
1	Aberration-Corrected STEM/EELS at Cryogenic Temperatures. <i>Microscopy and Microanalysis</i> , 2017 , 23, 428-429	0.5	3