

# Berit Goodge

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7635542/publications.pdf>

Version: 2024-02-01

44  
papers

1,436  
citations

567281

15  
h-index

315739

38  
g-index

46  
all docs

46  
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, .	5.1	14
20	Epitaxial $\text{SrTiO}_3$ 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 $\text{TiO}_2$ nanorod arrays. <i>Journal of Crystal Growth</i> , 2018, 494, 26-35.	1.5	11
22	Direct Electron Detection for Atomic Resolution in situ EELS. <i>Microscopy and Microanalysis</i> , 2018, 24, 1844-1845.	0.4	10
23	Defect accommodation in off-stoichiometric $\text{SrTiO}_3$ 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 $\text{NdO}_3$ Ruddlesden-Popper nickelate thin films. <i>Physical Review Materials</i> , 2022, 6, .	2.4	7
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 $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review B</i> , 2021, 104, .	0.4	4
31	Disentangling types of lattice disorder impacting superconductivity in $\text{Sr}_2\text{RuO}_4$ 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 $\text{Nb}_3\text{Br}_8$ . <i>Microscopy and Microanalysis</i> , 2020, 26, 1090-1092.	0.4	1

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