

# Julia A Mundy

## List of Publications by Year in descending order

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36  
papers

1,801  
citations

331670

21  
h-index

434195

31  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity in a quintuple-layer square-planar nickelate. <i>Nature Materials</i> , 2022, 21, 160-164.	27.5	117
2	Liberating a hidden antiferroelectric phase with interfacial electrostatic engineering. <i>Science Advances</i> , 2022, 8, eabg5860.	10.3	18
3	Synthesis and electronic properties of $\text{NdO}_3$ Ruddlesden-Popper nickelate thin films. <i>Physical Review Materials</i> , 2022, 6, .	2.4	7
4	$\text{DyFe}_2\text{O}_4$ : A new trigonal rare-earth ferrite grown by molecular-beam epitaxy. <i>APL Materials</i> , 2021, 9, 041106.	5.1	2
5	Dimensionality-Induced Change in Topological Order in Multiferroic Oxide Superlattices. <i>Physical Review Letters</i> , 2021, 126, 157601.	7.8	12
6	Fabrication of chemically and structurally abrupt $\text{EuO}/\text{SrO}/\text{Si}$ interfaces and their analysis by STEM-EELS. <i>Physical Review Materials</i> , 2021, 5, .	2.4	7
7	Site-specific spectroscopic measurement of spin and charge in $(\text{LuFeO}_3)_m/(\text{LuFe}_2\text{O}_4)_1$ multiferroic superlattices. <i>Nature Communications</i> , 2020, 11, 5582.	12.8	9
8	Exploring the intrinsic limit of the charge-carrier-induced increase of the Curie temperature of Lu- and La-doped EuO thin films. <i>Physical Review Materials</i> , 2020, 4, .	2.4	9
9	Functional electronic inversion layers at ferroelectric domain walls. <i>Nature Materials</i> , 2017, 16, 622-627.	27.5	127
10	Electron Accumulation and Emergent Magnetism in $\text{LaMnO}_3$ Heterostructures. <i>Physical Review Letters</i> , 2017, 119, 156801.	7.8	63
11	Topological Defects in Hexagonal Manganites: Inner Structure and Emergent Electrostatics. <i>Nano Letters</i> , 2017, 17, 5883-5890.	9.1	56
12	Visualizing weak ferromagnetic domains in multiferroic hexagonal ferrite thin film. <i>Physical Review B</i> , 2017, 95, .	3.2	19
13	Measuring Ferroelectric Order Parameters at Domain Walls and Vortices in Hexagonal Manganites with Atomic Resolution STEM. <i>Microscopy and Microanalysis</i> , 2017, 23, 1636-1637.	0.4	0
14	Imaging Local Polarization and Domain Boundaries with Picometer-Precision Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 898-899.	0.4	0
15	Enhanced Electrical Resistivity and Properties via Ion Bombardment of Ferroelectric Thin Films. <i>Advanced Materials</i> , 2016, 28, 10750-10756.	21.0	52
16	Atomically engineered ferroic layers yield a room-temperature magnetoelectric multiferroic. <i>Nature</i> , 2016, 537, 523-527.	27.8	275
17	Imaging Local Polarization and Domain Boundaries in Multiferroic $(\text{LuFeO}_3)_m/(\text{LuFe}_2\text{O}_4)_n$ Superlattices. <i>Microscopy and Microanalysis</i> , 2015, 21, 1303-1304.	0.4	0
18	Magnetic Structure and Ordering of Multiferroic Hexagonal $\text{LuFeO}_3$ . <i>Physical Review Letters</i> , 2015, 114, 217602.	7.8	92

#	ARTICLE	IF	CITATIONS
19	Controlling band alignments by artificial interface dipoles at perovskite heterointerfaces. Nature Communications, 2015, 6, 6759.	12.8	58
20	Direct band gaps in multiferroic h-LuFeO <sub>3</sub> . Applied Physics Letters, 2015, 106, 082902.	3.3	39
21	High-quality EuO thin films the easy way via topotactic transformation. Nature Communications, 2015, 6, 7716.	12.8	43
22	Epitaxial growth of VO <sub>2</sub> by periodic annealing. Applied Physics Letters, 2014, 104, .	3.3	52
23	Intrinsic magnetic properties of hexagonal LuFeO <sub>3</sub> and the effects of nonstoichiometry. APL Materials, 2014, 2, 012106.	5.1	63
24	Monolithically Integrated Circuits from Functional Oxides. Advanced Materials Interfaces, 2014, 1, 1300031.	3.7	49
25	Oxide Microelectronics: Monolithically Integrated Circuits from Functional Oxides (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.7	0
26	Visualizing the interfacial evolution from charge compensation to metallic screening across the manganite metal-insulator transition. Nature Communications, 2014, 5, 3464.	12.8	73
27	Hetero-epitaxial EuO interfaces studied by analytic electron microscopy. Applied Physics Letters, 2014, 104, .	3.3	26
28	Atomically precise interfaces from non-stoichiometric deposition. Nature Communications, 2014, 5, 4530.	12.8	91
29	Exploiting dimensionality and defect mitigation to create tunable microwave dielectrics. Nature, 2013, 502, 532-536.	27.8	204
30	Effect of reduced dimensionality on the optical band gap of SrTiO <sub>3</sub> . Applied Physics Letters, 2013, 102, .	3.3	52
31	The Open-Source Cornell Spectrum Imager. Microscopy Today, 2013, 21, 40-44.	0.3	7
32	Data Processing for Atomic Resolution Electron Energy Loss Spectroscopy. Microscopy and Microanalysis, 2012, 18, 667-675.	0.4	103
33	The adsorption-controlled growth of LuFe <sub>2</sub> O <sub>4</sub> by molecular-beam epitaxy. Applied Physics Letters, 2012, 101, .	3.3	38
34	Atomic-resolution chemical imaging of oxygen local bonding environments by electron energy loss spectroscopy. Applied Physics Letters, 2012, 101, 042907.	3.3	39
35	Nanometer-scale epitaxial strain release in perovskite heterostructures using SrAlOx-sliding buffer layers. Applied Physics Letters, 2011, 98, 171901.	3.3	5
36	Atomic-Resolution Electron Spectroscopy of Interfaces and Defects in Complex Oxides. , 0, , 32-32.		0