

James C Loudon

List of Publications by Year in descending order

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22
papers

848
citations

687335

13
h-index

713444

21
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22
all docs

22
docs citations

22
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge-ordered ferromagnetic phase in La _{0.5} Ca _{0.5} MnO ₃ . Nature, 2002, 420, 797-800.	27.8	290
2	Weak Charge-Lattice Coupling Requires Reinterpretation of Stripes of Charge Order in La _{1-x} Ca _x MnO ₃ . Physical Review Letters, 2005, 94, 097202.	7.8	115
3	Real-space imaging of confined magnetic skyrmion tubes. Nature Communications, 2020, 11, 1726.	12.8	103
4	Do Images of Biskyrmions Show Type-II Bubbles?. Advanced Materials, 2019, 31, e1806598.	21.0	73
5	Hall effect and transmission electron microscopy of epitaxial MnSi thin films. Physical Review B, 2014, 90, .	3.2	36
6	History-dependent domain and skyrmion formation in 2D van der Waals magnet Fe ₃ GeTe ₂ . Nature Communications, 2022, 13, .	12.8	33
7	Domain wall pinning and dislocations: Investigating magnetite deformed under conditions analogous to nature using transmission electron microscopy. Journal of Geophysical Research: Solid Earth, 2015, 120, 1415-1430.	3.4	31
8	Micromagnetic Imaging to Determine the Nature of the Ferromagnetic Phase Transition in La _{0.7} Ca _{0.3} MnO ₃ . Physical Review Letters, 2006, 96, 027214.	7.8	24
9	Antiferromagnetism in NiO Observed by Transmission Electron Diffraction. Physical Review Letters, 2012, 109, 267204.	7.8	24
10	Comment on "Robust Formation of Skyrmions and Topological Hall Effect Anomaly in Epitaxial Thin Films of MnSi". Physical Review Letters, 2014, 112, 059701.	7.8	18
11	Transverse field muon-spin rotation signature of the skyrmion-lattice phase in CuMn_2Sb_2 . Physical Review B, 2015, 91, .	3.2	18
12	Very weak electron-phonon coupling and strong strain coupling in manganites. Physical Review B, 2008, 78, .	3.2	15
13	Determination of the nature of the tetragonal to orthorhombic phase transition in SrFe_2As_2 : measurement of the local order parameter. Physical Review B, 2010, 81, .	3.2	14
14	Magnetic Vortex States in Toroidal Iron Oxide Nanoparticles: Combining Micromagnetics with Tomography. Nano Letters, 2020, 20, 7405-7412.	9.1	13
15	Imaging flux vortices in type II superconductors with a commercial transmission electron microscope. Ultramicroscopy, 2009, 109, 700-729.	1.9	9
16	Magnetic structure of individual flux vortices in superconducting MgB ₂ derived using transmission electron microscopy. Physical Review B, 2013, 87, .	3.2	9
17	The effects of dislocations on crystallographic twins and domain wall motion in magnetite at the Verwey transition. Earth, Planets and Space, 2019, 71, 5.	2.5	9
18	Comparative study of the structural and magnetic properties of MnCr_2Sb_2 and NbS_2 and CrPhy . Physical Review B, 2013, 87, .	2.4	9

#	ARTICLE	IF	CITATIONS
19	Comparison of the ferromagnetic phase transitions in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ and single crystal nickel by micromagnetic imaging. Philosophical Magazine, 2006, 86, 2941-2956.	1.6	2
20	At-Focus Observations of High Quality Electron Vortex Beams Created from Ferromagnetic Rods. Microscopy and Microanalysis, 2015, 21, 501-502. Spin dynamics in bulk MnNiCo and CoMnNi	0.4	2
21	$\text{Pt}_{0.9}\text{Pd}_{0.1}\text{Sn}$ investigated by muon spin relaxation. Physical Review B, 2021, 104, .		
22	Investigations of the size distribution and magnetic properties of nanoparticles of Cu_2OSeO_3 . Materials Research Express, 2021, 8, 116101.	1.6	0