

L M Debeer-Schmitt

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,194
citations

394421

19
h-index

377865

34
g-index

54
all docs

54
docs citations

54
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Squeezing the periodicity of Néel-type magnetic modulations by enhanced Dzyaloshinskii-Moriya interaction of 4d electrons. Npj Quantum Materials, 2022, 7, .	5.2	9
2	Effects of the Order Parameter Anisotropy on the Vortex Lattice in UPt ₃ . Frontiers in Electronic Materials, 2022, 2, .	3.1	1
3	Reversible ordering and disordering of the vortex lattice in $U\text{Pt}_3$. Physical Review B, 2022, 105, .	3.2	2
4	drtsans: The data reduction toolkit for small-angle neutron scattering at Oak Ridge National Laboratory. SoftwareX, 2022, 19, 101101.	2.6	32
5	Effects of magnetic and non-magnetic doping on the vortex lattice in MgB_2 . Journal of Applied Crystallography, 2022, 55, 693-701.	4.5	2
6	Annihilation and Control of Chiral Domain Walls with Magnetic Fields. Nano Letters, 2021, 21, 1205-1212.	9.1	15
7	Magnetoelastic coupling, negative thermal expansion, and two-dimensional magnetic excitations in FeAs. Physical Review B, 2021, 103, .	3.2	6
8	Effects of aluminum content on thermoelectric performance of Al CoCrFeNi high-entropy alloys. Journal of Alloys and Compounds, 2021, 883, 160811.	5.5	12
9	A Unified User-Friendly Instrument Control and Data Acquisition System for the ORNL SANS Instrument Suite. Applied Sciences (Switzerland), 2021, 11, 1216.	2.5	4
10	Domain Wall Patterning and Giant Response Functions in Ferrimagnetic Spinel. Advanced Science, 2021, 8, 2101402.	11.2	1
11	Topological energy barrier for skyrmion lattice formation in MnSi. Physical Review B, 2020, 102, .	3.2	4
12	Broken time-reversal symmetry in the topological superconductor UPt ₃ . Nature Physics, 2020, 16, 531-535.	16.7	41
13	Canted antiferromagnetic order in the monoaxial chiral magnets V _{1/3} TaS ₂ and V _{1/3} NbS ₂ . Physical Review Materials, 2020, 4, .	2.4	15
14	Magnetic-Field Control of Topological Electronic Response near Room Temperature in Correlated Kagome Magnets. Physical Review Letters, 2019, 123, 196604.	7.8	20
15	Consequences of magnetic ordering in chiral MnSi . Physical Review B, 2019, 100, .	3.2	33
16	Structural studies of metastable and equilibrium vortex lattice domains in MgB_2 . New Journal of Physics, 2019, 21, 063003.	2.9	4
17	Unpinning the skyrmion lattice in MnSi: Effect of substitutional disorder. Physical Review B, 2019, 99, .	3.2	8
18	Nonequilibrium structural phase transitions of the vortex lattice in MgB_2 . Physical Review B, 2019, 99, .	3.2	16

#	ARTICLE	IF	CITATIONS
19	Structural transition kinetics and activated behavior in the superconducting vortex lattice. Physical Review B, 2019, 99, .	3.2	7
20	New search for mirror neutron regeneration. EPJ Web of Conferences, 2019, 219, 07002.	0.3	11
21	Developing Wide Angle Spherical Neutron Polarimetry at Oak Ridge National Laboratory. Journal of Physics: Conference Series, 2019, 1316, 012014.	0.4	0
22	Nanoscale magnetization inhomogeneity within single phase nanopillars. Physical Review Materials, 2019, 3, .	2.4	5
23	Realization of ordered magnetic skyrmions in thin films at ambient conditions. Physical Review Materials, 2019, 3, .	2.4	30
24	The suite of small-angle neutron scattering instruments at Oak Ridge National Laboratory. Journal of Applied Crystallography, 2018, 51, 242-248.	4.5	115
25	Magnetic Field Control of Cycloidal Domains and Electric Polarization in Multiferroic BiFeO_3 . Physical Review Letters, 2018, 120, 147203.	7.8	15
26	New Polarized Small Angle Neutron Scattering capability at the High Flux Isotope Reactor. Physica B: Condensed Matter, 2018, 551, 492-495.	2.7	4
27	Temperature-dependent magnetism in artificial honeycomb lattice of connected elements. Physical Review B, 2018, 97, .	3.2	13
28	New magnetic phase of the chiral skyrmion material Cu_2OSeO_3 . Science Advances, 2018, 4, eaat7323.	10.3	66
29	Extended exchange interactions stabilize long-period magnetic structures in CrI_3 . Applied Physics Letters, 2018, 113, 032404.	3.3	16
30	Long-wavelength correlations in ferromagnetic titanate pyrochlores as revealed by small-angle neutron scattering. Physical Review B, 2018, 97, .	3.2	2
31	Structure and property correlations in FeS. Physica C: Superconductivity and Its Applications, 2017, 534, 29-36.	1.2	37
32	Realization of the axial next-nearest-neighbor Ising model in $\text{U}_3\text{Al}_2\text{Ge}_3$. Physical Review B, 2017, 96, .	3.2	1
33	Versatile strain-tuning of modulated long-period magnetic structures. Applied Physics Letters, 2017, 110, 192409.	3.3	17
34	Exploring the origins of the Dzyaloshinskii-Moriya interaction in MnSi. Physical Review B, 2017, 96, .	3.2	17
35	Spin waves on a frustrated antiferromagnetic honeycomb lattice. Physical Review B, 2015, 91, .	3.2	15
36	High-energy magnetic excitations in overdoped $\text{La}_{1-x}\text{Ce}_x\text{CuO}_2$ by neutron and resonant inelastic x-ray scattering. Physical Review B, 2015, 91, .	3.2	10

