

# Peter Milde

## List of Publications by Year in descending order

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25  
papers

1,559  
citations

567281

15  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV <sub>4</sub> S <sub>8</sub> . Nature Materials, 2015, 14, 1116-1122.	27.5	523
2	Unwinding of a Skyrmion Lattice by Magnetic Monopoles. Science, 2013, 340, 1076-1080.	12.6	468
3	Multidomain Skyrmion Lattice State in Cu <sub>2</sub> OSeO <sub>3</sub> . Nano Letters, 2016, 16, 3285-3291.	9.1	75
4	Electronic Properties of Isosymmetric Phase Boundaries in Highly Strained Ca-Doped BiFeO <sub>3</sub> . Advanced Materials, 2014, 26, 4376-4380.	21.0	66
5	Ferroelectric Lithography: Bottom-up Assembly and Electrical Performance of a Single Metallic Nanowire. Nano Letters, 2009, 9, 763-768.	9.1	60
6	The Effect of Molecular Orientation on the Potential of Porphyrin-Metal Contacts. Nano Letters, 2008, 8, 110-113.	9.1	53
7	Pump-probe Kelvin-probe force microscopy: Principle of operation and resolution limits. Journal of Applied Physics, 2015, 118, .	2.5	43
8	Characteristics of ferroelectric-ferroelastic domains in Néel-type skyrmion host GaV <sub>4</sub> S <sub>8</sub> . Scientific Reports, 2017, 7, 44663.	3.3	41
9	The effective quality factor at low temperatures in dynamic force microscopes with Fabry-Pérot interferometer detection. Applied Physics Letters, 2009, 94, .	3.3	31
10	Correlating the Nanoscale Structural, Magnetic, and Magneto-Transport Properties in SrRuO <sub>3</sub> -Based Perovskite Thin Films: Implications for Oxide Skyrmion Devices. ACS Applied Nano Materials, 2020, 3, 1182-1190.	5.0	26
11	Epitaxial Growth of Pentacene on Alkali Halide Surfaces Studied by Kelvin Probe Force Microscopy. ACS Nano, 2014, 8, 3294-3301.	14.6	22
12	Macroscopic manifestation of domain-wall magnetism and magnetoelectric effect in a Néel-type skyrmion host. Npj Quantum Materials, 2020, 5, .	5.2	20
13	Tracking speed bumps in organic field-effect transistors via pump-probe Kelvin-probe force microscopy. Journal of Applied Physics, 2015, 118, .	2.5	19
14	Heuristic Description of Magnetoelectricity of Cu <sub>2</sub> OSeO <sub>3</sub> . Nano Letters, 2016, 16, 5612-5618.	9.1	18
15	Architecture of nanoscale ferroelectric domains in GaMo <sub>4</sub> S <sub>8</sub> . Journal of Physics Condensed Matter, 2018, 30, 445402.	1.8	17
16	Interface dipole formation of different ZnPcCl <sub>8</sub> phases on Ag(111) observed by Kelvin probe force microscopy. Nanotechnology, 2008, 19, 305501.	2.6	16
17	Probing the local surface potential and quantum capacitance in single and multi-layer graphene. Applied Physics Letters, 2013, 103, .	3.3	13
18	Probing polarization and dielectric function of molecules with higher order harmonics in scattering-near-field scanning optical microscopy. Journal of Applied Physics, 2009, 106, 114307.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Anisotropic fractal magnetic domain pattern in bulk $\text{MnPt}_{1.4}$ . Physical Review B, 2020, 102, .	3.2	11
20	Field-induced reorientation of helimagnetic order in $\text{CuMn}_{1.4}$ probed by magnetic force microscopy. Physical Review B, 2020, 102, .	3.2	11
21	Critical sample aspect ratio and magnetic field dependence for antiskyrmion formation in $\text{MnPt}_{1.4}$ single crystals. Physical Review B, 2021, 103, .	3.2	11
22	Transport and noise in organic field-effect devices. Physical Review B, 2009, 79, .	3.2	6
23	Surface pinning and triggered unwinding of skyrmions in a cubic chiral magnet. Physical Review B, 2019, 100, .	3.2	2
24	In situ self-assembled organic interface layers for the controlled growth of oligothiophene thin films on ferroelectric $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ . Journal of Chemical Physics, 2013, 139, 214702.	3.0	1
25	Out-of-equilibrium optomechanical resonance self-excitation. Journal of Applied Physics, 2021, 130, 035303.	2.5	1