

Max Birch

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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1163117

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docs citations

11
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-space imaging of confined magnetic skyrmion tubes. Nature Communications, 2020, 11, 1726.	12.8	103
2	History-dependent domain and skyrmion formation in 2D van der Waals magnet Fe ₃ GeTe ₂ . Nature Communications, 2022, 13, .	12.8	33
3	Increased lifetime of metastable skyrmions by controlled doping. Physical Review B, 2019, 100, .	3.2	32
4	Origin of skyrmion lattice phase splitting in Zn-substituted $\text{Cu}_{1-x}\text{Zn}_x\text{Mn}_2\text{O}_4$. Physical Review Materials, 2018, 2, .	3.2	21
5	Measuring the formation energy barrier of skyrmions in zinc-substituted $\text{Cu}_{1-x}\text{Zn}_x\text{Mn}_2\text{O}_4$. Physical Review B, 2019, 99, .	3.2	19
6	Stability and metastability of skyrmions in thin lamellae of Cu ₂ OSeO ₃ . Physical Review Research, 2020, 2, .	3.6	10
7	Toggle-like current-induced Bloch point dynamics of 3D skyrmion strings in a room temperature nanowire. Nature Communications, 2022, 13, .	12.8	10
8	Anisotropy-induced depinning in the Zn-substituted skyrmion host $\text{Cu}_{1-x}\text{Zn}_x\text{Mn}_2\text{O}_4$. Physical Review B, 2020, 102, .	3.2	9
9	Position-dependent stability and lifetime of the skyrmion state in nickel-substituted $\text{Cu}_{1-x}\text{Ni}_x\text{Mn}_2\text{O}_4$. Physical Review B, 2020, 102, .	3.2	10
10	Investigating the magnetic ground state of the skyrmion host material Cu ₂ OSeO ₃ using long-wavelength neutron diffraction. AIP Advances, 2019, 9, 125228.	1.3	0