

Jeroen Mulkers

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

594
citations

759233

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1125743

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all docs

14
docs citations

14
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of temperature and drive current in skyrmion dynamics. Nature Electronics, 2020, 3, 30-36.	26.0	98
2	Fast micromagnetic simulations on GPU—recent advances made with mumax^3 . Journal Physics D: Applied Physics, 2018, 51, 123002.	2.8	96
3	Effects of spatially engineered Dzyaloshinskii-Moriya interaction in ferromagnetic films. Physical Review B, 2017, 95, .	3.2	78
4	Adaptively time stepping the stochastic Landau-Lifshitz-Gilbert equation at nonzero temperature: Implementation and validation in MuMax3. AIP Advances, 2017, 7, .	1.3	76
5	Tomorrow's micromagnetic simulations. Journal of Applied Physics, 2019, 125, .	2.5	53
6	Paths to collapse for isolated skyrmions in few-monolayer ferromagnetic films. Physical Review B, 2017, 95, .	3.2	52
7	Cycloidal versus skyrmionic states in mesoscopic chiral magnets. Physical Review B, 2016, 93, .	3.2	29
8	Deflection of ferromagnetic and antiferromagnetic skyrmions at heterochiral interfaces. Physical Review B, 2019, 99, .	3.2	25
9	Tunable Snell's law for spin waves in heterochiral magnetic films. Physical Review B, 2018, 97, .	3.2	23
10	Coupling of the skyrmion velocity to its breathing mode in periodically notched nanotracks. Journal Physics D: Applied Physics, 2019, 52, 024003.	2.8	16
11	Confined magnetoelastic waves in thin waveguides. Physical Review B, 2021, 103, .	3.2	15
12	On quantifying the topological charge in micromagnetics using a lattice-based approach. IOP SciNotes, 2020, 1, 025211.	0.8	14
13	Finite difference magnetoelastic simulator. Open Research Europe, 0, 1, 35.	2.0	10
14	Effect of boundary-induced chirality on magnetic textures in thin films. Physical Review B, 2018, 98, .	3.2	9