Jeroen Mulkers

List of Publications by Year
in descending order

14	594	759233 12	1125743 13
papers	citations	h-index	g-index

14	14	14	835
all docs	docs citations	times ranked	citing authors

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