

Davi R Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

300
citations

1040056

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h-index

888059

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17
docs citations

17
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Dzyaloshinskii-Moriya induced spin-transfer torques in kagome antiferromagnets. Physical Review B, 2022, 105, .	3.2	1
2	Skyrmion pinning energetics in thin film systems. Nature Communications, 2022, 13, .	12.8	25
3	Nonzero Skyrmion Hall Effect in Topologically Trivial Structures. Physical Review Applied, 2022, 17, .	3.8	6
4	A deeper look into natural sciences with physics-based and data-driven measures. IScience, 2021, 24, 102171.	4.1	5
5	Current-induced H-shaped-skyrmion creation and their dynamics in the helical phase. Journal Physics D: Applied Physics, 2021, 54, 404003.	2.8	3
6	Nonlinear Dynamics of Topological Ferromagnetic Textures for Frequency Multiplication. Physical Review Applied, 2021, 16, .	3.8	7
7	Spin-Wave Driven Bidirectional Domain Wall Motion in Kagome Antiferromagnets. Physical Review Letters, 2021, 127, 157203.	7.8	11
8	Scalable computational measures for entropic detection of latent relations and their applications to magnetic imaging. Communications in Applied Mathematics and Computational Science, 2021, 16, 267-297.	1.8	1
9	Spin-transfer torque driven motion, deformation, and instabilities of magnetic skyrmions at high currents. Physical Review B, 2020, 101, .	3.2	25
10	Facilitating domain wall injection in magnetic nanowires by electrical means. Physical Review B, 2020, 101, .	3.2	2
11	The role of temperature and drive current in skyrmion dynamics. Nature Electronics, 2020, 3, 30-36.	26.0	98
12	Chiral excitations of magnetic droplet solitons driven by their own inertia. Physical Review B, 2020, 101, .	3.2	9
13	Spin eigenexcitations of an antiferromagnetic skyrmion. Physical Review B, 2019, 99, .	3.2	28
14	Characterizing breathing dynamics of magnetic skyrmions and antiskyrmions within the Hamiltonian formalism. Physical Review B, 2019, 99, .	3.2	31
15	Effective description of domain wall strings. Physical Review B, 2018, 97, .	3.2	16
16	Spin texture motion in antiferromagnetic and ferromagnetic nanowires. Physical Review B, 2017, 95, .	3.2	16
17	Current-driven periodic domain wall creation in ferromagnetic nanowires. Physical Review B, 2016, 94, .	3.2	16