

Fernando Ajejas

List of Publications by Year in descending order

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26
papers

724
citations

758635

12
h-index

580395

25
g-index

27
all docs

27
docs citations

27
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature stabilization of antiferromagnetic skyrmions in synthetic antiferromagnets. Nature Materials, 2020, 19, 34-42.	13.3	297
2	Unraveling Dzyaloshinskii-Moriya Interaction and Chiral Nature of Graphene/Cobalt Interface. Nano Letters, 2018, 18, 5364-5372.	4.5	60
3	Imaging non-collinear antiferromagnetic textures via single spin relaxometry. Nature Communications, 2021, 12, 767.	5.8	49
4	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. Applied Physics Letters, 2017, 111, .	1.5	40
5	Engineering Large Anisotropic Magnetoresistance in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Films at Room Temperature. Advanced Functional Materials, 2017, 27, 1700664.	7.8	39
6	Oxidation dependence of the Dzyaloshinskii-Moriya interaction in $\text{Pt}/\text{Co}/\text{MnO}_x$ trilayers. Physical Review B, 2019, 100, .	1.1	33
7	Controlled Individual Skyrmion Nucleation at Artificial Defects Formed by Ion Irradiation. Small, 2020, 16, e1907450.	5.2	27
8	Quantitative imaging of hybrid chiral spin textures in magnetic multilayer systems by Lorentz microscopy. Physical Review B, 2019, 100, .	1.1	21
9	Epitaxial strain and thickness dependent structural, electrical and magnetic properties of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ films. Journal Physics D: Applied Physics, 2020, 53, 375005.	1.3	21
10	Thermoelectric Signature of Individual Skyrmions. Physical Review Letters, 2021, 126, 077202.	2.9	18
11	Room temperature biaxial magnetic anisotropy in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films on SrTiO_3 buffered MgO (001) substrates for spintronic applications. Applied Physics Letters, 2018, 113, .	1.5	16
12	Note: Vectorial-magneto optical Kerr effect technique combined with variable temperature and full angular range all in a single setup. Review of Scientific Instruments, 2015, 86, 046109.	0.6	13
13	Emergence of the Stoner-Wohlfarth astroid in thin films at dynamic regime. Scientific Reports, 2017, 7, 13474.	1.6	11
14	Interfacial potential gradient modulates Dzyaloshinskii-Moriya interaction in Pt/Co /metal multilayers. Physical Review Materials, 2022, 6, .	0.9	11
15	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 4088-4096.	4.0	10
16	Spatial extent of the Dzyaloshinskii-Moriya interaction at metallic interfaces. Physical Review Materials, 2022, 6, .	0.9	10
17	Interfacial exchange-coupling induced chiral symmetry breaking of spin-orbit effects. Physical Review B, 2015, 92, .	1.1	9
18	Engineering the spin conversion in graphene monolayer epitaxial structures. APL Materials, 2021, 9, .	2.2	9

#	ARTICLE	IF	CITATIONS
19	Ultrafast time-evolution of chiral Néel magnetic domain walls probed by circular dichroism in x-ray resonant magnetic scattering. <i>Nature Communications</i> , 2022, 13, 1412.	5.8	7
20	Thickness and angular dependent magnetic anisotropy of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films by Vectorial Magneto Optical Kerr Magnetometry. <i>Journal of Physics: Conference Series</i> , 2017, 903, 012021.	0.3	5
21	Electrical Signature of Noncollinear Magnetic Textures in Synthetic Antiferromagnets. <i>Physical Review Applied</i> , 2020, 14, .	1.5	4
22	General treatment of off-specular resonant soft x-ray magnetic scattering using the distorted-wave Born approximation: Numerical algorithm and experimental studies with hybrid chiral domain structures. <i>Physical Review B</i> , 2021, 103, .	1.1	4
23	Chiral spin spiral in synthetic antiferromagnets probed by circular dichroism in x-ray resonant magnetic scattering. <i>Physical Review B</i> , 2021, 104, .	1.1	4
24	Direct observation of temperature-driven magnetic symmetry transitions by vectorial resolved MOKE magnetometry. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 405805.	0.7	3
25	Two-dimensional chiral asymmetry in unidirectional magnetic anisotropy structures. <i>AIP Advances</i> , 2016, 6, 055819.	0.6	2
26	Chiral asymmetry driven by unidirectional magnetic anisotropy in Spin-Orbitronic systems. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0