

Fernando Ajejas

List of Publications by Year in descending order

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26
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758635

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times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial extent of the Dzyaloshinskii-Moriya interaction at metallic interfaces. <i>Physical Review Materials</i> , 2022, 6, .	0.9	10
2	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
3	Interfacial potential gradient modulates Dzyaloshinskii-Moriya interaction in Pt/Co/metal multilayers. <i>Physical Review Materials</i> , 2022, 6, .	0.9	11
4	Thermoelectric Signature of Individual Skyrmions. <i>Physical Review Letters</i> , 2021, 126, 077202.	2.9	18
5	Imaging non-collinear antiferromagnetic textures via single spin relaxometry. <i>Nature Communications</i> , 2021, 12, 767.	5.8	49
6	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
7	Engineering the spin conversion in graphene monolayer epitaxial structures. <i>APL Materials</i> , 2021, 9, .	2.2	9
8	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
9	Room-temperature stabilization of antiferromagnetic skyrmions in synthetic antiferromagnets. <i>Nature Materials</i> , 2020, 19, 34-42.	13.3	297
10	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4088-4096.	4.0	10
11	Electrical Signature of Noncollinear Magnetic Textures in Synthetic Antiferromagnets. <i>Physical Review Applied</i> , 2020, 14, .	1.5	4
12	Epitaxial strain and thickness dependent structural, electrical and magnetic properties of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ films. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 375005.	1.3	21
13	Controlled Individual Skyrmion Nucleation at Artificial Defects Formed by Ion Irradiation. <i>Small</i> , 2020, 16, e1907450.	5.2	27
14	Oxidation dependence of the Dzyaloshinskii-Moriya interaction in $\text{Pt}/\text{Co}/\text{MgO}$ trilayers (T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 212 Td (xmls:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Co</mml:mi><mml:mi>x</mml:mi></mml:mrow></mml:math>)	1.1	33
15	Quantitative imaging of hybrid chiral spin textures in magnetic multilayer systems by Lorentz microscopy. <i>Physical Review B</i> , 2019, 100, .	1.1	21
16	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. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	16
17	Unraveling Dzyaloshinskii-Moriya Interaction and Chiral Nature of Graphene/Cobalt Interface. <i>Nano Letters</i> , 2018, 18, 5364-5372.	4.5	60
18	Engineering Large Anisotropic Magnetoresistance in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Films at Room Temperature. <i>Advanced Functional Materials</i> , 2017, 27, 1700664.	7.8	39

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19	Emergence of the Stoner-Wohlfarth astroid in thin films at dynamic regime. <i>Scientific Reports</i> , 2017, 7, 13474.	1.6	11
20	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
21	Tuning domain wall velocity with Dzyaloshinskii-Moriya interaction. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	40
22	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
23	Two-dimensional chiral asymmetry in unidirectional magnetic anisotropy structures. <i>AIP Advances</i> , 2016, 6, 055819.	0.6	2
24	Chiral asymmetry driven by unidirectional magnetic anisotropy in Spin-Orbitronic systems. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
25	Interfacial exchange-coupling induced chiral symmetry breaking of spin-orbit effects. <i>Physical Review B</i> , 2015, 92, .	1.1	9
26	Note: Vectorial-magneto optical Kerr effect technique combined with variable temperature and full angular range all in a single setup. <i>Review of Scientific Instruments</i> , 2015, 86, 046109.	0.6	13