

Salim Mourad Cherif

List of Publications by Year in descending order

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36
papers

1,984
citations

623188

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36
all docs

36
docs citations

36
times ranked

2268
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature chiral magnetic skyrmions in ultrathin magnetic nanostructures. Nature Nanotechnology, 2016, 11, 449-454.	15.6	829
2	Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized Pt/Co/AlO ₂ films measured by Brillouin light spectroscopy. Physical Review B, 2015, 91, .	1.1	70
3	Large-Voltage Tuning of Dzyaloshinskii-Moriya Interactions: A Route toward Dynamic Control of Skyrmion Chirality. Nano Letters, 2018, 18, 4871-4877.	4.5	173
4	CoFeAl thin films grown on MgO substrates: Correlation between static, dynamic, and structural properties. Physical Review B, 2013, 87, .	1.1	116
5	Experimental study of spin-wave dispersion in Py/Pt film structures in the presence of an interface Dzyaloshinskii-Moriya interaction. Physical Review B, 2015, 91, .	1.1	98
6	Experimental and theoretical study of quantized spin-wave modes in micrometer-size permalloy wires. Physical Review B, 2001, 63, .	1.1	70
7	Anisotropic Dzyaloshinskii-Moriya interaction in ultrathin epitaxial Au/Co/W(110). Physical Review B, 2017, 95, .	1.1	69
8	Enhancement of the Dzyaloshinskii-Moriya interaction and domain wall velocity through interface intermixing in Ta/CoFeB/MgO. Physical Review B, 2019, 99, .	1.1	56
9	Brillouin light scattering investigation of the thickness dependence of Dzyaloshinskii-Moriya interaction in Pt/Co/Pt nanostripe arrays. Journal Physics D: Applied Physics, 2018, 51, 225005.	1.1	50
10	Spin-wave modes in Ni nanorod arrays studied by Brillouin light scattering. Physical Review B, 2009, 80, .	1.1	44
11	Influence of the capping layer material on the interfacial Dzyaloshinskii-Moriya interaction in Pt/Co/capping layer structures probed by Brillouin light scattering. Journal Physics D: Applied Physics, 2019, 52, 125002.	1.3	25
12	Effect of anisotropy on Brillouin spectra of stripe-structured cobalt layers. Physical Review B, 1999, 59, 9482-9490.	1.1	23
13	Enhanced magnetic damping in La _{0.7} Sr _{0.3} MnO ₃ capped by normal metal layer. AIP Advances, 2015, 5, 097148.	0.6	22
14	Making the Dzyaloshinskii-Moriya interaction visible. Applied Physics Letters, 2017, 110, .	1.5	19
15	Brillouin light scattering investigation of interfacial Dzyaloshinskii-Moriya interaction in ultrathin Co/Pt nanostripe arrays. Journal Physics D: Applied Physics, 2018, 51, 225005.	1.3	14
16	Interfacial Dzyaloshinskii-Moriya interaction, interface-induced damping and perpendicular magnetic anisotropy in Pt/Co/W based multilayers. Journal of Applied Physics, 2019, 126, 133902.	1.1	14
17	Pt concentration dependence of the interfacial Dzyaloshinskii-Moriya interaction, the Gilbert damping parameter and the magnetic anisotropy in Py/Cu _{1-x} Pt _x systems. Journal Physics D: Applied Physics, 2019, 52, 055001.	1.3	14
18	Investigation of the correlation between perpendicular magnetic anisotropy, spin mixing conductance and interfacial Dzyaloshinskii-Moriya interaction in CoFeB-based systems. Journal Physics D: Applied Physics, 2020, 53, 505003.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Perpendicular magnetic anisotropy and interfacial Dzyaloshinskii-Moriya interaction in as grown and annealed Pt/Co/AlO _x ultrathin systems. Journal of Physics Condensed Matter, 2020, 32, 495802.	0.7	9
20	Publisher's Note: Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized Pt/Co/AlO _x ultrathin films measured by Brillouin light spectroscopy [Phys. Rev. B 91, 180405(R) (2015)]. Physical Review B, 2015, 91, .	1.1	8
21	Spin-wave calculations for magnetic stacks with interface Dzyaloshinskii-Moriya interaction. Physical Review B, 2018, 98, .	1.1	7
22	Dzyaloshinskii-Moriya interaction induced asymmetry in dispersion of magnonic Bloch modes. Physical Review B, 2020, 102, .	1.1	7
23	Static and dynamic behavior of ultrathin cobalt nanowires embedded in transparent matrix. Journal of Applied Physics, 2015, 118, .	1.1	6
24	Magnetic properties of device-like cobalt/2D materials interfaces. Physical Review Materials, 2021, 5, .	0.9	5
25	Dependence of the interfacial Dzyaloshinskii-Moriya interaction, perpendicular magnetic anisotropy, and damping in Co-based systems on the thickness of Pt and Ir layers. Physical Review B, 2021, 104, .	1.1	5
26	Interface phenomena in ferromagnet/oxide-based systems: Damping, perpendicular magnetic anisotropy, and Dzyaloshinskii-Moriya interaction. Physical Review Materials, 2020, 4, .	0.9	5
27	Correlation between static and dynamic magnetic properties of highly perpendicular magnetized Co ₄₉ Pt ₅₁ thin films. Physical Review B, 2015, 92, .	1.1	4
28	Anisotropy and Damping of Molecules/Cobalt Hybrid Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	4
29	Magnetic and magneto-optical properties of assembly of nanodots obtained from solid-state dewetting of ultrathin cobalt layer. Journal of Physics Condensed Matter, 2019, 31, 495805.	0.7	4
30	Annealing Temperature and Thickness Dependencies of Perpendicular Magnetic Anisotropy and Dzyaloshinskii-Moriya Interaction of Pt/Co/MgO Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	4
31	Low frequency vibrations observed on assemblies of vertical multiwall carbon nanotubes by Brillouin light scattering: determination of the Young modulus. Journal of Physics Condensed Matter, 2020, 32, 455701.	0.7	3
32	Magnetic properties of ultrafine-grained cobalt samples obtained from consolidated nanopowders. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1942-1949.	0.8	2
33	Characterization of the Interfacial Dzyaloshinskii-Moriya Interaction in Pt/Co ₂ FeAl _{0.5} Si _{0.5} Ultrathin Films by Brillouin Light Scattering. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	2
34	Bragg-type Brillouin spectroscopy of spin waves on ultrathin nickel nanowires. Physical Review B, 2019, 100, .	1.1	1
35	Static and dynamic magnetic properties of CoPt/NiFe bilayers: experiment and modelling. Journal of Physics D: Applied Physics, 2020, 53, 075001.	1.3	1
36	Interfacial Dzyaloshinskii-Moriya Interaction, Perpendicular Magnetic Anisotropy, and Damping in CoFeB/Oxide-Based Systems. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	0