Salim Mourad Cherif

List of Publications by Year
in descending order

36 papers	1,984 citations	623188 14 h-index	360668 35 g-index
36 all docs	36 docs citations	36 times ranked	2268 citing authors

#	Article	IF	Citations
1	Interfacial Dzyaloshinskiiâ€“Moriya Interaction, Perpendicular Magnetic Anisotropy, and Damping in CoFeB-/Oxide-Based Systems. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	0
2	Annealing Temperature and Thickness Dependencies of Perpendicular Magnetic Anisotropy and Dzyaloshinskiiâ€“ Moriya Interaction of Pt/Co/MgO Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	4
3	Magnetic properties of devicelike cobalt/2D materials interfaces. Physical Review Materials, 2021, 5, .	0.9	5
4	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
5	Static and dynamic magnetic properties of CoPt/NiFe bilayers: experiment and modelling. Journal Physics D: Applied Physics, 2020, 53, 075001.	1.3	1
6	Dzyaloshinskii-Moriya interaction induced asymmetry in dispersion of magnonic Bloch modes. Physical Review B, 2020, 102, .	1.1	7
7	Investigation of the correlation between perpendicular magnetic anisotropy, spin mixing conductance and interfacial Dzyaloshinskiiâ€“Moriya interaction in CoFeB-based systems. Journal Physics D: Applied Physics, 2020, 53, 505003.	1.3	9
8	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
9	Interface phenomena in ferromagnet/ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ta</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:mrow></mml:math> -based systems: Damping, perpendicular magnetic anisotropy, and Dzyaloshinskii-Moriya interaction. Physical Review Materials, 2020, 4, .	0.9	5
10	Perpendicular magnetic anisotropy and interfacial Dzyaloshinskiiâ€“Moriya interaction in as grown and annealed X/Co/Y ultrathin systems. Journal of Physics Condensed Matter, 2020, 32, 495802.	0.7	9
11	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
12	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
13	Bragg-type Brillouin spectroscopy of spin waves on ultrathin nickel nanowires. Physical Review B, 2019, 100, .	1.1	1
14	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
15	Pt concentration dependence of the interfacial Dzyaloshinskiiâ€“Moriya interaction, the Gilbert damping parameter and the magnetic anisotropy in Py/Cu_{1â^'x}Pt_x systems. Journal Physics D: Applied Physics, 2019, 52, 055001.	1.3	14
16	Influence of the capping layer material on the interfacial Dzyaloshinskiiâ€“Moriya interaction in Pt/Co/capping layer structures probed by Brillouin light scattering. Journal Physics D: Applied Physics, 2019, 52, 125002.	1.3	25
17	Brillouin light scattering investigation of interfacial Dzyaloshinskiiâ€“Moriya interaction in ultrathin Co/Pt nanostripe arrays. Journal Physics D: Applied Physics, 2018, 51, 225005.	1.3	14
18	Spin-wave calculations for magnetic stacks with interface Dzyaloshinskii-Moriya interaction. Physical Review B, 2018, 98, .	1.1	7

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19	Large-Voltage Tuning of Dzyaloshinskiiâ€“Moriya Interactions: A Route toward Dynamic Control of Skyrmion Chirality. Nano Letters, 2018, 18, 4871-4877.	4.5	173
20	Anisotropy and Damping of Molecules/Cobalt Hybrid Thin Films. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	4
21	Making the Dzyaloshinskii-Moriya interaction visible. Applied Physics Letters, 2017, 110, .	1.5	19
22	Characterization of the Interfacial Dzyaloshinskiiâ€“Moriya Interaction in Pt/Co2FeAl0.5Si0.5Ultrathin Films by Brillouin Light Scattering. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	2
23	Anisotropic Dzyaloshinskii-Moriya interaction in ultrathin epitaxial Au/Co/W(110). Physical Review B, 2017, 95, .	1.1	69
24	Brillouin light scattering investigation of the thickness dependence of Dzyaloshinskii-Moriya interaction in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>ultrath	1.1	50
25	Room-temperature chiral magnetic skyrmions in ultrathin magnetic nanostructures. Nature Nanotechnology, 2016, 11, 449-454.	15.6	829
26	Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Pt/Co/AlO</mml:mtext><mml:mi></mml:mi></mml:msub></mml:m films measured by Brillouin light spectroscopy. Physical Review B, 2015, 91, .	1.1	262
27	Publisher's Note: Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetizedPt/Co/AlOxultrathin films measured by Brillouin light spectroscopy [Phys. Rev. B91, 180405(R) (2015)]. Physical Review B, 2015, 91, .	1.1	8
28	Correlation between static and dynamic magnetic properties of highly perpendicular magnetizedCo49Pt51thin films. Physical Review B, 2015, 92, .	1.1	4
29	Static and dynamic behavior of ultrathin cobalt nanowires embedded in transparent matrix. Journal of Applied Physics, 2015, 118, .	1.1	6
30	Enhanced magnetic damping in La0.7Sr0.3MnO3 capped by normal metal layer. AIP Advances, 2015, 5, 097148.	0.6	22
31	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
32	Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>FeAl thin films grown on MgO substrates: Correlation between static, dynamic, and structural properties. Physical Review B, 2013, 87, .	1.1	116
33	Magnetic properties of ultrafineâ€grained cobalt samples obtained from consolidated nanopowders. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1942-1949.	0.8	2
34	Spin-wave modes in Ni nanorod arrays studied by Brillouin light scattering. Physical Review B, 2009, 80, .	1.1	44
35	Experimental and theoretical study of quantized spin-wave modes in micrometer-size permalloy wires. Physical Review B, 2001, 63, .	1.1	70
36	Effect of anisotropy on Brillouin spectra of stripe-structured cobalt layers. Physical Review B, 1999, 59, 9482-9490.	1.1	23