

Jean-Paul Adam

List of Publications by Year in descending order

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34
papers

2,279
citations

430442

18
h-index

377514

34
g-index

34
all docs

34
docs citations

34
times ranked

2850
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring a population of spin waves from the electrical noise of an inductively coupled antenna. Physical Review B, 2022, 105, .	1.1	4
2	Imaging non-collinear antiferromagnetic textures via single spin relaxometry. Nature Communications, 2021, 12, 767.	5.8	49
3	Electrical spectroscopy of forward volume spin waves in perpendicularly magnetized materials. Physical Review Research, 2020, 2, .	1.3	16
4	<i>In situ</i> monitoring of electric field effect on domain wall motion in Co ultrathin films in direct contact with an electrolyte. Applied Physics Letters, 2019, 115, .	1.5	7
5	Chaos in Magnetic Nanocontact Vortex Oscillators. Physical Review Letters, 2019, 123, 147701.	2.9	24
6	Heterogeneous Memristive Devices Enabled by Magnetic Tunnel Junction Nanopillars Surrounded by Resistive Silicon Switches. Advanced Electronic Materials, 2018, 4, 1700461.	2.6	13
7	Nonreciprocal flexural dynamics of Dzyaloshinskii domain walls. Physical Review B, 2018, 98, .	1.1	1
8	Electric field controlled domain wall dynamics and magnetic easy axis switching in liquid gated CoFeB/MgO films. Journal of Applied Physics, 2017, 122, .	1.1	18
9	Inversion of the domain wall propagation in synthetic ferrimagnets. Applied Physics Letters, 2017, 111, .	1.5	9
10	Ionic-liquid gating of perpendicularly magnetised CoFeB/MgO thin films. Journal of Applied Physics, 2016, 120, .	1.1	11
11	Probing the Dzyaloshinskii-Moriya interaction in CoFeB ultrathin films using domain wall creep and Brillouin light spectroscopy. Physical Review B, 2016, 94, .	1.1	84
12	Direct measurement of interfacial Dzyaloshinskii-Moriya interaction in $X $ with a scanning NV magnetometer		

#	ARTICLE	IF	CITATIONS
19	Measurement of magnetization using domain compressibility in CoFeB films with perpendicular anisotropy. Applied Physics Letters, 2014, 104, .	1.5	22
20	Nanoscale imaging and control of domain-wall hopping with a nitrogen-vacancy center microscope. Science, 2014, 344, 1366-1369.	6.0	158
21	Perpendicular magnetic anisotropy in piezoelectric- and dielectric-ferromagnetic heterostructures based on Co/Pt multilayers. Thin Solid Films, 2013, 533, 70-74.	0.8	7
22	Irradiation-induced tailoring of the magnetism of CoFeB/MgO ultrathin films. Journal of Applied Physics, 2013, 113, .	1.1	39
23	Low depinning fields in Ta-CoFeB-MgO ultrathin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2013, 103, 182401.	1.5	90
24	Modified current-induced domain-wall motion in GaMnAs nanowires. Physical Review B, 2013, 88, .	1.1	7
25	Damping of CoFe ₈₀ B ₂₀ ultrathin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2013, 102, .	1.5	126
26	Magnetization reversal by confined droplet growth in soft/hard hybrid nanodisks with perpendicular anisotropy. Physical Review B, 2012, 85, .	1.1	18
27	Current induced domain wall motion in GaMnAs close to the Curie temperature. Journal of Physics Condensed Matter, 2011, 23, 446004.	0.7	6
28	Domain wall propagation in ferromagnetic semiconductors: Beyond the one-dimensional model. Physical Review B, 2011, 83, .	1.1	19
29	Thermally driven spin injection from a ferromagnet into a non-magnetic metal. Nature Physics, 2010, 6, 879-882.	6.5	390
30	Magnetization reversal in Pt/Co(0.5 nm)/Pt nano-platelets patterned by focused ion beam lithography. Nanotechnology, 2010, 21, 445302.	1.3	17
31	Interplay of Peltier and Seebeck Effects in Nanoscale Nonlocal Spin Valves. Physical Review Letters, 2010, 105, 136601.	2.9	116
32	Nonadiabatic spin-transfer torque in (Ga,Mn)As with perpendicular anisotropy. Physical Review B, 2009, 80, .	1.1	38
33	Macrospin behavior and superparamagnetism in (Ga,Mn)As nanodots. Physical Review B, 2009, 80, .	1.1	4
34	Domain wall mobility, stability and Walker breakdown in magnetic nanowires. Europhysics Letters, 2007, 78, 57007.	0.7	274