

# 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	Thermally driven spin injection from a ferromagnet into a non-magnetic metal. Nature Physics, 2010, 6, 879-882.	6.5	390
2	Domain wall mobility, stability and Walker breakdown in magnetic nanowires. Europhysics Letters, 2007, 78, 57007.	0.7	274
3	Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized Pt/Co/AlO <sub>x</sub> films measured by Brillouin light spectroscopy. Physical Review B, 2015, 91, .	1.1	84
4	The nature of domain walls in ultrathin ferromagnets revealed by scanning nanomagnetometry. Nature Communications, 2015, 6, 6733.	5.8	183
5	Nanoscale imaging and control of domain-wall hopping with a nitrogen-vacancy center microscope. Science, 2014, 344, 1366-1369.	6.0	158
6	Narrow Magnonic Waveguides Based on Domain Walls. Physical Review Letters, 2015, 114, 247206.	2.9	150
7	Damping of CoFe <sub>80</sub> B <sub>20</sub> ultrathin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2013, 102, .	1.5	126
8	Interplay of Peltier and Seebeck Effects in Nanoscale Nonlocal Spin Valves. Physical Review Letters, 2010, 105, 136601.	2.9	116
9	Low depinning fields in Ta-CoFeB-MgO ultrathin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2013, 103, 182401.	1.5	90
10	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
11	Direct measurement of interfacial Dzyaloshinskii-Moriya interaction in Pt/Co/AlO <sub>x</sub> films with a scanning NV magnetometer		

#	ARTICLE	IF	CITATIONS
19	Magnetization reversal by confined droplet growth in soft/hard hybrid nanodisks with perpendicular anisotropy. <i>Physical Review B</i> , 2012, 85, .	1.1	18
20	Electric field controlled domain wall dynamics and magnetic easy axis switching in liquid gated CoFeB/MgO films. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	18
21	Magnetization reversal in Pt/Co(0.5 nm)/Pt nano-platelets patterned by focused ion beam lithography. <i>Nanotechnology</i> , 2010, 21, 445302.	1.3	17
22	Electrical spectroscopy of forward volume spin waves in perpendicularly magnetized materials. <i>Physical Review Research</i> , 2020, 2, .	1.3	16
23	Heterogeneous Memristive Devices Enabled by Magnetic Tunnel Junction Nanopillars Surrounded by Resistive Silicon Switches. <i>Advanced Electronic Materials</i> , 2018, 4, 1700461.	2.6	13
24	Ionic-liquid gating of perpendicularly magnetised CoFeB/MgO thin films. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	11
25	Inversion of the domain wall propagation in synthetic ferrimagnets. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	9
26	Publisher's Note: Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized Pt/Co/AlO <sub>x</sub> ultrathin films measured by Brillouin light spectroscopy [Phys. Rev. B 91, 180405(R) (2015)]. <i>Physical Review B</i> , 2015, 91, .	1.1	8
27	Perpendicular magnetic anisotropy in piezoelectric- and dielectric-ferromagnetic heterostructures based on Co/Pt multilayers. <i>Thin Solid Films</i> , 2013, 533, 70-74.	0.8	7
28	Modified current-induced domain-wall motion in GaMnAs nanowires. <i>Physical Review B</i> , 2013, 88, .	1.1	7
29	<i>In situ</i> monitoring of electric field effect on domain wall motion in Co ultrathin films in direct contact with an electrolyte. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	7
30	Current induced domain wall motion in GaMnAs close to the Curie temperature. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 446004.	0.7	6
31	Joint perpendicular anisotropy and strong interlayer exchange coupling in systems with thin vanadium spacers. <i>Journal of Applied Physics</i> , 2015, 117, 163911.	1.1	5
32	Macrospin behavior and superparamagnetism in (Ga,Mn)As nanodots. <i>Physical Review B</i> , 2009, 80, .	1.1	4
33	Measuring a population of spin waves from the electrical noise of an inductively coupled antenna. <i>Physical Review B</i> , 2022, 105, .	1.1	4
34	Nonreciprocal flexural dynamics of Dzyaloshinskii domain walls. <i>Physical Review B</i> , 2018, 98, .	1.1	1