Robert M Reeve

List of Publications by Citations

37 papers	1,942 citations	11 h-index	40 g-index
40 ext. papers	2,456 ext. citations	6.9 avg, IF	4.54 L-index

#	Paper	IF	Citations
37	Observation of room-temperature magnetic skyrmions and their current-driven dynamics in ultrathin metallic ferromagnets. *Nature Materials*, **2016**, 15, 501-6	27	983
36	Skyrmion Hall effect revealed by direct time-resolved X-ray microscopy. *Nature Physics*, **2017**, 13, 170-175	16.2	400
35	Perspective: Magnetic skyrmions□Overview of recent progress in an active research field. *Journal of Applied Physics*, **2018**, 124, 240901	2.5	225
34	Synchronous precessional motion of multiple domain walls in a ferromagnetic nanowire by perpendicular field pulses. *Nature Communications*, **2014**, 5, 3429	17.4	59
33	Strain-mediated electric-field control of exchange bias in a Co90Fe10/BiFeO3/SrRuO3/PMN-PT heterostructure. *Scientific Reports*, **2015**, 5, 8905	4.9	46
32	The role of temperature and drive current in skyrmion dynamics. *Nature Electronics*, **2020**, 3, 30-36	28.4	41
31	Imaging spin dynamics on the nanoscale using X-Ray microscopy. *Frontiers in Physics*, **2015**, 3,	3.9	39
30	Switching by Domain-Wall Automotion in Asymmetric Ferromagnetic Rings. *Physical Review Applied* , **2017**, 7,	4.3	19
29	Magnetic domain structure of La0.7Sr0.3MnO3 thin-films probed at variable temperature with scanning electron microscopy with polarization analysis. *Applied Physics Letters*, **2013**, 102, 122407	3.4	18
28	Domain-wall induced large magnetoresistance effects at zero applied field in ballistic nanocontacts. *Physical Review Letters*, **2013**, 110, 067203	7.4	13
27	Spin currents injected electrically and thermally from highly spin polarized Co2MnSi. *Applied Physics Letters*, **2015**, 107, 082401	3.4	12
26	Development of a scanning electron microscopy with polarization analysis system for magnetic imaging with ns time resolution and phase-sensitive detection. *Review of Scientific Instruments*, **2018**, 89, 083703	1.7	11
25	Chemically selective modification of spin polarization in ultrathin ferromagnetic films: Microscopic theory and macroscopic experiment. *Physical Review B*, **2009**, 80,	3.3	7
24	Geometrical control of pure spin current induced domain wall depinning. *Journal of Physics Condensed Matter*, **2017**, 29, 085802	1.8	6
23	Scaling of intrinsic domain wall magnetoresistance with confinement in electromigrated nanocontacts. *Physical Review B*, **2019**, 99,	3.3	6
22	Chemically selective gas-induced spin polarization changes in ultrathin fcc Co films. *Journal of Applied Physics*, **2008**, 103, 07C904	2.5	6
21	Quantification of Competing Magnetic States and Switching Pathways in Curved Nanowires by Direct Dynamic Imaging. *ACS Nano*, **2020**, 14, 13324-13332	16.7	5

20	Domain wall spin structures in mesoscopic Fe rings probed by high resolution SEMPA. *Journal Physics D: Applied Physics*, **2016**, 49, 425004	3	5
19	Current induced chiral domain wall motion in CuIr/CoFeB/MgO thin films with strong higher order spin□rbit torques. *Applied Physics Letters*, **2020**, 116, 132410	3.4	3
18	Quasi-antiferromagnetic multilayer stacks with 90 degree coupling mediated by thin Fe oxide spacers. *Journal of Applied Physics*, **2019**, 126, 093901	2.5	3
17	Reorientation Response of Magnetic Microspheres Attached to Gold Electrodes Under an Applied Magnetic Field. *Brazilian Journal of Physics*, **2013**, 43, 209-213	1.2	3
16	Ab-initio calculation of C and CO adsorption on the Co (110) surface. *Surface Science*, **2013**, 608, 282-291	1.8	3
15	Domain wall pinning in ultra-narrow electromigrated break junctions. *Journal of Physics Condensed Matter*, **2014**, 26, 474207	1.8	3
14	Modification of the secondary-electron spin polarization in Co/Cu(110) films via gaseous adsorbates. *Physical Review B*, **2011**, 84,	3.3	3
13	Direct Imaging of Chiral Domain Walls and N□el-Type Skyrmionium in Ferrimagnetic Alloys. *Advanced Functional Materials*, **2021**, 31, 2102307	15.6	3
12	Commensurability between Element Symmetry and the Number of Skyrmions Governing Skyrmion Diffusion in Confined Geometries. *Advanced Functional Materials*, **2021**, 31, 2010739	15.6	3
11	Direct observation of spin diffusion enhanced nonadiabatic spin torque effects in rare-earth-doped permalloy. *Physical Review B*, **2018**, 98,	3.3	3
10	Determination of fine magnetic structure of magnetic multilayer with quasi antiferromagnetic layer by using polarized neutron reflectivity analysis. *AIP Advances*, **2020**, 10, 015323	1.5	2
9	Experimental and theoretical study of electron-beam-induced spin-reorientation transition reversal in the CO/Co(1 1 0) system. *Journal Physics D: Applied Physics*, **2012**, 45, 275003	3	2
8	Readout of an antiferromagnetic spintronics system by strong exchange coupling of MnAu and Permalloy. *Nature Communications*, **2021**, 12, 6539	17.4	2
7	Importance of spin current generation and detection by spin injection and the spin Hall effect for lateral spin valve performance. *Journal of Physics Condensed Matter*, **2018**, 30, 465802	1.8	2
6	Control of the Magnetic Configuration of Ferromagnetic Nanostructures Across the Structural Phase Transition of Vanadium Dioxide. *IEEE Magnetics Letters*, **2016**, 7, 1-4	1.6	1
5	Revealing the importance of interfaces for pure spin current transport. *Physical Review Research*, **2021**, 3,	3.9	1
4	Magnetization Configurations and Reversal in Small Magnetic Elements1-53		1
3	Magnetic Imaging and Microscopy **2021**, 1203-1254		

2 Precise electrical detection of the field and current-induced switching mode of a magnetic nanodisk in a non-local spin valve. *Journal Physics D: Applied Physics*, **2021**, 54, 345004 3

1 Magnetic Imaging and Microscopy **2021**, 1-52