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List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Magnetic Imaging and Microscopy 2021 , 1203-1254		
36	Readout of an antiferromagnetic spintronics system by strong exchange coupling of MnAu and Permalloy. <i>Nature Communications</i> , 2021 , 12, 6539	17.4	2
35	Revealing the importance of interfaces for pure spin current transport. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
34	Direct Imaging of Chiral Domain Walls and Néel-Type Skyrmionium in Ferrimagnetic Alloys. <i>Advanced Functional Materials</i> , 2021 , 31, 2102307	15.6	3
33	Precise electrical detection of the field and current-induced switching mode of a magnetic nanodisk in a non-local spin valve. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 345004	3	
32	Magnetic Imaging and Microscopy 2021 , 1-52		
31	Commensurability between Element Symmetry and the Number of Skyrmions Governing Skyrmion Diffusion in Confined Geometries. <i>Advanced Functional Materials</i> , 2021 , 31, 2010739	15.6	3
30	Current induced chiral domain wall motion in CuIr/CoFeB/MgO thin films with strong higher order spin-orbit torques. <i>Applied Physics Letters</i> , 2020 , 116, 132410	3.4	3
29	Determination of fine magnetic structure of magnetic multilayer with quasi antiferromagnetic layer by using polarized neutron reflectivity analysis. <i>AIP Advances</i> , 2020 , 10, 015323	1.5	2
28	The role of temperature and drive current in skyrmion dynamics. <i>Nature Electronics</i> , 2020 , 3, 30-36	28.4	41
27	Quantification of Competing Magnetic States and Switching Pathways in Curved Nanowires by Direct Dynamic Imaging. <i>ACS Nano</i> , 2020 , 14, 13324-13332	16.7	5
26	Scaling of intrinsic domain wall magnetoresistance with confinement in electromigrated nanocontacts. <i>Physical Review B</i> , 2019 , 99,	3.3	6
25	Quasi-antiferromagnetic multilayer stacks with 90 degree coupling mediated by thin Fe oxide spacers. <i>Journal of Applied Physics</i> , 2019 , 126, 093901	2.5	3
24	Perspective: Magnetic skyrmions Overview of recent progress in an active research field. <i>Journal of Applied Physics</i> , 2018 , 124, 240901	2.5	225
23	Direct observation of spin diffusion enhanced nonadiabatic spin torque effects in rare-earth-doped permalloy. <i>Physical Review B</i> , 2018 , 98,	3.3	3
22	Importance of spin current generation and detection by spin injection and the spin Hall effect for lateral spin valve performance. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 465802	1.8	2
21	Development of a scanning electron microscopy with polarization analysis system for magnetic imaging with ns time resolution and phase-sensitive detection. <i>Review of Scientific Instruments</i> , 2018 , 89, 083703	1.7	11

20	Geometrical control of pure spin current induced domain wall depinning. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 085802	1.8	6
19	Skyrmion Hall effect revealed by direct time-resolved X-ray microscopy. <i>Nature Physics</i> , 2017 , 13, 170-175	6.2	400
18	Switching by Domain-Wall Automotion in Asymmetric Ferromagnetic Rings. <i>Physical Review Applied</i> , 2017 , 7,	4.3	19
17	Control of the Magnetic Configuration of Ferromagnetic Nanostructures Across the Structural Phase Transition of Vanadium Dioxide. <i>IEEE Magnetics Letters</i> , 2016 , 7, 1-4	1.6	1
16	Observation of room-temperature magnetic skyrmions and their current-driven dynamics in ultrathin metallic ferromagnets. <i>Nature Materials</i> , 2016 , 15, 501-6	27	983
15	Domain wall spin structures in mesoscopic Fe rings probed by high resolution SEMPA. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 425004	3	5
14	Spin currents injected electrically and thermally from highly spin polarized Co ₂ MnSi. <i>Applied Physics Letters</i> , 2015 , 107, 082401	3.4	12
13	Imaging spin dynamics on the nanoscale using X-Ray microscopy. <i>Frontiers in Physics</i> , 2015 , 3,	3.9	39
12	Strain-mediated electric-field control of exchange bias in a Co ₉₀ Fe ₁₀ /BiFeO ₃ /SrRuO ₃ /PMN-PT heterostructure. <i>Scientific Reports</i> , 2015 , 5, 8905	4.9	46
11	Synchronous precessional motion of multiple domain walls in a ferromagnetic nanowire by perpendicular field pulses. <i>Nature Communications</i> , 2014 , 5, 3429	17.4	59
10	Domain wall pinning in ultra-narrow electromigrated break junctions. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 474207	1.8	3
9	Reorientation Response of Magnetic Microspheres Attached to Gold Electrodes Under an Applied Magnetic Field. <i>Brazilian Journal of Physics</i> , 2013 , 43, 209-213	1.2	3
8	Ab-initio calculation of C and CO adsorption on the Co (110) surface. <i>Surface Science</i> , 2013 , 608, 282-291	1.8	3
7	Domain-wall induced large magnetoresistance effects at zero applied field in ballistic nanocontacts. <i>Physical Review Letters</i> , 2013 , 110, 067203	7.4	13
6	Magnetic domain structure of La _{0.7} Sr _{0.3} MnO ₃ thin-films probed at variable temperature with scanning electron microscopy with polarization analysis. <i>Applied Physics Letters</i> , 2013 , 102, 122407	3.4	18
5	Experimental and theoretical study of electron-beam-induced spin-reorientation transition reversal in the CO/Co(110) system. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 275003	3	2
4	Modification of the secondary-electron spin polarization in Co/Cu(110) films via gaseous adsorbates. <i>Physical Review B</i> , 2011 , 84,	3.3	3
3	Chemically selective modification of spin polarization in ultrathin ferromagnetic films: Microscopic theory and macroscopic experiment. <i>Physical Review B</i> , 2009 , 80,	3.3	7

2	Chemically selective gas-induced spin polarization changes in ultrathin fcc Co films. <i>Journal of Applied Physics</i> , 2008 , 103, 07C904	2.5	6
1	Magnetization Configurations and Reversal in Small Magnetic Elements1-53		1