Pawel Gruszecki

List of Publications by Year
in descending order

41	880	430874	454955
papers	citations	18 h-index	30 g-index

43	43	43	787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	2.1	179
2	Goos-HÃnchen effect and bending of spin wave beams in thin magnetic films. Applied Physics Letters, 2014, 105, .	3.3	50
3	Collective dynamical skyrmion excitations in a magnonic crystal. Physical Review B, 2016, 93, .	3.2	48
4	Magnonic band structure in a Co/Pd stripe domain system investigated by Brillouin light scattering and micromagnetic simulations. Physical Review B, 2017, 96, .	3.2	45
5	Universal dependence of the spin wave band structure on the geometrical characteristics of two-dimensional magnonic crystals. Scientific Reports, 2015, 5, 10367.	3.3	43
6	Polarization tunable all-dielectric color filters based on cross-shaped Si nanoantennas. Scientific Reports, 2017, 7, 8092.	3.3	43
7	Influence of magnetic surface anisotropy on spin wave reflection from the edge of ferromagnetic film. Physical Review B, 2015, 92, .	3.2	40
8	Microwave excitation of spin wave beams in thin ferromagnetic films. Scientific Reports, 2016, 6, 22367.	3.3	36
9	Goos-HÃnchen shift of a spin-wave beam transmitted through anisotropic interface between two ferromagnets. Physical Review B, 2017, 95, .	3.2	36
10	Real-Space Observation of Magnon Interaction with Driven Space-Time Crystals. Physical Review Letters, 2021, 126, 057201.	7.8	34
11	Magnonic crystalsâ€”Prospective structures for shaping spin waves in nanoscale. Low Temperature Physics, 2015, 41, 745-759.	0.6	31
12	Azimuthal spin-wave excitations in magnetic nanodots over the soliton background: Vortex, Bloch, and NÃ©el-like skyrmions. Physical Review B, 2018, 97, .	3.2	31
13	Optically induced spin wave dynamics in [Co/Pd]8 antidot lattices with perpendicular magnetic anisotropy. Applied Physics Letters, 2014, 105, .	3.3	26
14	Spin-wave beam propagation in ferromagnetic thin films with graded refractive index: Mirage effect and prospective applications. Physical Review B, 2018, 97, .	3.2	25
15	Spin-wave spectroscopy of individual ferromagnetic nanodisks. Nanoscale, 2020, 12, 21207-21217.	5.6	24
16	The switching of strong spin wave beams in patterned garnet films. Scientific Reports, 2017, 7, 8771.	3.3	21
17	Spin-wave dynamics in permalloy/cobalt magnonic crystals in the presence of a nonmagnetic spacer. Physical Review B, 2015, 92, .	3.2	20
18	Direct observation of spin-wave focusing by a Fresnel lens. Physical Review B, 2020, 102, .	3.2	19

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19	Anomalous Refraction of Spin Waves as a Way to Guide Signals in Curved Magnonic Multimode Waveguides. Physical Review Applied, 2020, 13, .	3.8	13
20	Spin wave collimation using a flat metasurface. Nanoscale, 2019, 11, 9743-9748.	5.6	12
21	Spin-wave Talbot effect in a thin ferromagnetic film. Physical Review B, 2020, 102, .	3.2	12
22	Demonstration of k-vector selective microscopy for nanoscale mapping of higher order spin wave modes. Nanoscale, 2020, 12, 17238-17244.	5.6	12
23	Resonant subwavelength control of the phase of spin waves reflected from a Giresâ€“Tournois interferometer. Scientific Reports, 2021, 11, 4428.	3.3	11
24	The influence of the internal domain wall structure on spin wave band structure in periodic magnetic stripe domain patterns. Solid State Physics, 2019, , 79-132.	0.5	10
25	Competing spin wave emission mechanisms revealed by time-resolved x-ray microscopy. Physical Review B, 2021, 103, .	3.2	9
26	Phase resolved observation of spin wave modes in antidot lattices. Applied Physics Letters, 2021, 118, .	3.3	9
27	All-Angle Collimation for Spin Waves. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	8
28	Goosâ€“HÃnchen Shift of a Spin-Wave Beam at the Interface Between Two Ferromagnets. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	8
29	Local non-linear excitation of sub-100â€‰nm bulk-type spin waves by edge-localized spin waves in magnetic films. Applied Physics Letters, 2021, 118, .	3.3	8
30	Direct Imaging of Highâ€Frequency Multimode Spin Wave Propagation in Cobaltâ€Iron Waveguides Using Xâ€Ray Microscopy beyond 10â€‰GHz. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000373.	2.4	5
31	The 2021 roadmap for noncollinear magnonics. Solid State Physics, 2021, 72, 1-27.	0.5	3
32	Inelastic Spin-Wave Beam Scattering by Edge-Localized Spin Waves in a Ferromagnetic Thin Film. Physical Review Applied, 2022, 17, .	3.8	3
33	Magnetization statics and dynamics in (Ir/Co/Pt)6 multilayers with Dzyaloshinskiiâ€“Moriya interaction. AIP Advances, 2022, 12, .	1.3	2
34	Control of the Phase of Reflected Spin Waves From Magnonic Giresâ€“Tournois Interferometer of Subwavelength Width. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	1
35	The influence of the internal domain wall structure on spin wave band structure in periodic magnetic stripe domain patterns. Solid State Physics, 2021, , 29-82.	0.5	1
36	Self-Imaging of Spin Waves in Thin, Multimode Ferromagnetic Waveguides. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	1

#	Article	IF	Citations
37	Nonreciprocal properties of GHz frequency surface spin waves in nanopatterned ferromagnetic films. , 2016, , .		0
38	Goos-HÃnchen shift of a spin-wave beam in transmission through interface between two ferromagnets. , 2017, , .		0
39	Spin wave beam propagation through the area with graded refractive index. , 2017, , .		0
40	Direct Observation of Sub-100 nm Spin Wave Propagation in Magnonic Wave-Guides. , 2018, , .		0
41	The interplay between spin waves and microwave magnetic field in magnetization textures and planar magnetic nanostructures. , 2021, , .		0