

Pawel Gruszecki

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

880
citations

430874

18
h-index

454955

30
g-index

43
all docs

43
docs citations

43
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of the Phase of Reflected Spin Waves From Magnonic Gires-Tournois Interferometer of Subwavelength Width. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	1
2	Self-Imaging of Spin Waves in Thin, Multimode Ferromagnetic Waveguides. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	1
3	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	2.1	179
4	Magnetization statics and dynamics in (Ir/Co/Pt) ₆ multilayers with Dzyaloshinskii-Moriya interaction. AIP Advances, 2022, 12, .	1.3	2
5	Inelastic Spin-Wave Beam Scattering by Edge-Localized Spin Waves in a Ferromagnetic Thin Film. Physical Review Applied, 2022, 17, .	3.8	3
6	Competing spin wave emission mechanisms revealed by time-resolved x-ray microscopy. Physical Review B, 2021, 103, .	3.2	9
7	Local non-linear excitation of sub-100-nm bulk-type spin waves by edge-localized spin waves in magnetic films. Applied Physics Letters, 2021, 118, .	3.3	8
8	Real-Space Observation of Magnon Interaction with Driven Space-Time Crystals. Physical Review Letters, 2021, 126, 057201.	7.8	34
9	Resonant subwavelength control of the phase of spin waves reflected from a Gires-Tournois interferometer. Scientific Reports, 2021, 11, 4428.	3.3	11
10	Phase resolved observation of spin wave modes in antidot lattices. Applied Physics Letters, 2021, 118, .	3.3	9
11	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
12	The 2021 roadmap for noncollinear magnonics. Solid State Physics, 2021, 72, 1-27.	0.5	3
13	The interplay between spin waves and microwave magnetic field in magnetization textures and planar magnetic nanostructures. , 2021, , .		0
14	Spin-wave Talbot effect in a thin ferromagnetic film. Physical Review B, 2020, 102, .	3.2	12
15	Spin-wave spectroscopy of individual ferromagnetic nanodisks. Nanoscale, 2020, 12, 21207-21217.	5.6	24
16	Direct observation of spin-wave focusing by a Fresnel lens. Physical Review B, 2020, 102, .	3.2	19
17	Direct Imaging of High-Frequency Multimode Spin Wave Propagation in Cobalt-Iron Waveguides Using X-Ray Microscopy beyond 10-GHz. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000373.	2.4	5
18	Anomalous Refraction of Spin Waves as a Way to Guide Signals in Curved Magnonic Multimode Waveguides. Physical Review Applied, 2020, 13, .	3.8	13

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19	Demonstration of k -vector selective microscopy for nanoscale mapping of higher order spin wave modes. <i>Nanoscale</i> , 2020, 12, 17238-17244.	5.6	12
20	The influence of the internal domain wall structure on spin wave band structure in periodic magnetic stripe domain patterns. <i>Solid State Physics</i> , 2019, , 79-132.	0.5	10
21	Spin wave collimation using a flat metasurface. <i>Nanoscale</i> , 2019, 11, 9743-9748.	5.6	12
22	Azimuthal spin-wave excitations in magnetic nanodots over the soliton background: Vortex, Bloch, and Néel-like skyrmions. <i>Physical Review B</i> , 2018, 97, .	3.2	31
23	Spin-wave beam propagation in ferromagnetic thin films with graded refractive index: Mirage effect and prospective applications. <i>Physical Review B</i> , 2018, 97, .	3.2	25
24	Direct Observation of Sub-100 nm Spin Wave Propagation in Magnonic Wave-Guides. , 2018, , .		0
25	Goos-Hänchen Shift of a Spin-Wave Beam at the Interface Between Two Ferromagnets. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	8
26	Goos-Hänchen shift of a spin-wave beam transmitted through anisotropic interface between two ferromagnets. <i>Physical Review B</i> , 2017, 95, .	3.2	36
27	The switching of strong spin wave beams in patterned garnet films. <i>Scientific Reports</i> , 2017, 7, 8771.	3.3	21
28	Polarization tunable all-dielectric color filters based on cross-shaped Si nanoantennas. <i>Scientific Reports</i> , 2017, 7, 8092.	3.3	43
29	Magnonic band structure in a Co/Pd stripe domain system investigated by Brillouin light scattering and micromagnetic simulations. <i>Physical Review B</i> , 2017, 96, .	3.2	45
30	Goos-Hänchen shift of a spin-wave beam in transmission through interface between two ferromagnets. , 2017, , .		0
31	Spin wave beam propagation through the area with graded refractive index. , 2017, , .		0
32	Microwave excitation of spin wave beams in thin ferromagnetic films. <i>Scientific Reports</i> , 2016, 6, 22367.	3.3	36
33	Collective dynamical skyrmion excitations in a magnonic crystal. <i>Physical Review B</i> , 2016, 93, .	3.2	48
34	Nonreciprocal properties of GHz frequency surface spin waves in nanopatterned ferromagnetic films. , 2016, , .		0
35	Influence of magnetic surface anisotropy on spin wave reflection from the edge of ferromagnetic film. <i>Physical Review B</i> , 2015, 92, .	3.2	40
36	Spin-wave dynamics in permalloy/cobalt magnonic crystals in the presence of a nonmagnetic spacer. <i>Physical Review B</i> , 2015, 92, .	3.2	20

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37	Magnonic crystals – Prospective structures for shaping spin waves in nanoscale. <i>Low Temperature Physics</i> , 2015, 41, 745-759.	0.6	31
38	Universal dependence of the spin wave band structure on the geometrical characteristics of two-dimensional magnonic crystals. <i>Scientific Reports</i> , 2015, 5, 10367.	3.3	43
39	All-Angle Collimation for Spin Waves. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	1.1	8
40	Goos-Hänchen effect and bending of spin wave beams in thin magnetic films. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	50
41	Optically induced spin wave dynamics in [Co/Pd] ₈ antidot lattices with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	26