Katrin Schultheiss

List of Publications by Year
in descending order

21	1,615	516710 16	713466 21
papers	citations	h-index	g-index

21	21	21	1450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time Refraction of Spin Waves. Physical Review Letters, 2021, 126, 137201.	7.8	12
2	Propagation of spin waves through a NÃ©el domain wall. Applied Physics Letters, 2020, 117, .	3.3	19
3	Nonlinear losses in magnon transport due to four-magnon scattering. Applied Physics Letters, 2020, 117, .	3.3	14
4	Nonlocal Stimulation of Three-Magnon Splitting in a Magnetic Vortex. Physical Review Letters, 2020, 125, 207203.	7.8	24
5	Domain Wall Based Spin-Hall Nano-Oscillators. Physical Review Letters, 2019, 123, 057204.	7.8	37
6	High spin-wave propagation length consistent with low damping in a metallic ferromagnet. Applied Physics Letters, 2019, 115, .	3.3	26
7	Nonlinear Ferromagnetic Resonance in the Presence of Three-Magnon Scattering in Magnetic Nanostructures. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	13
8	Excitation of Whispering Gallery Magnons in a Magnetic Vortex. Physical Review Letters, 2019, 122, 097202.	7.8	58
9	Combined frequency and time domain measurements on injection-locked, constriction-based spin Hall nano-oscillators. Applied Physics Letters, 2019, 114, .	3.3	16
10	Injection locking of multiple auto-oscillation modes in a tapered nanowire spin Hall oscillator. Scientific Reports, 2018, 8, 16040.	3.3	13
11	Magnetic domain walls as reconfigurable spin-wave nanochannels. Nature Nanotechnology, 2016, 11, 432-436.	31.5	230
12	Micro-focused Brillouin light scattering: imaging spin waves at the nanoscale. Frontiers in Physics, 2015, 3, .	2.1	215
13	Realization of a spin-wave multiplexer. Nature Communications, 2014, 5, 3727.	12.8	314
14	Low-damping spin-wave propagation in a micro-structured Co₂Mn_{0.6}Fe_{0.4}Si Heusler waveguide. Applied Physics Letters, 2012, 100, 112402.	3.3	80
15	Spin waves turning a corner. Applied Physics Letters, 2012, 101, 042410.	3.3	131
16	Direct observation of nonlinear four-magnon scattering in spin-wave microconduits. Physical Review B, 2012, 86, .	3.2	46
17	Mode conversion by symmetry breaking of propagating spin waves. Applied Physics Letters, 2011, 99, .	3.3	59
18	Interference of coherent spin waves in micronâ€sized ferromagnetic waveguides. Physica Status Solidi (B): Basic Research, 2011, 248, 2404-2408.	1.5	55

#	Article	IF	Citations
19	Optical detection of vortex spin-wave eigenmodes in microstructured ferromagnetic disks. Physical Review B, 2011, 84, .	3.2	28
20	All-optical detection of phase fronts of propagating spin waves in a Ni81Fe19 microstripe. Applied Physics Letters, 2009, 95, 182508.	3.3	57
21	Spin-wave propagation in a microstructured magnonic crystal. Applied Physics Letters, 2009, 95, .	3.3	168