

Katrin Schultheiss

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4015263/publications.pdf>

Version: 2024-02-01

21
papers

1,615
citations

516710

16
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	Realization of a spin-wave multiplexer. Nature Communications, 2014, 5, 3727.	12.8	314
2	Magnetic domain walls as reconfigurable spin-wave nanochannels. Nature Nanotechnology, 2016, 11, 432-436.	31.5	230
3	Micro-focused Brillouin light scattering: imaging spin waves at the nanoscale. Frontiers in Physics, 2015, 3, .	2.1	215
4	Spin-wave propagation in a microstructured magnonic crystal. Applied Physics Letters, 2009, 95, .	3.3	168
5	Spin waves turning a corner. Applied Physics Letters, 2012, 101, 042410.	3.3	131
6	Low-damping spin-wave propagation in a micro-structured $\text{Co}_{2.2}\text{Mn}_{0.6}\text{Fe}_{0.4}\text{Si}$ Heusler waveguide. Applied Physics Letters, 2012, 100, 112402.	3.3	80
7	Mode conversion by symmetry breaking of propagating spin waves. Applied Physics Letters, 2011, 99, .	3.3	59
8	Excitation of Whispering Gallery Magnons in a Magnetic Vortex. Physical Review Letters, 2019, 122, 097202.	7.8	58
9	All-optical detection of phase fronts of propagating spin waves in a $\text{Ni}_{81}\text{Fe}_{19}$ microstripe. Applied Physics Letters, 2009, 95, 182508.	3.3	57
10	Interference of coherent spin waves in micron-sized ferromagnetic waveguides. Physica Status Solidi (B): Basic Research, 2011, 248, 2404-2408.	1.5	55
11	Direct observation of nonlinear four-magnon scattering in spin-wave microconduits. Physical Review B, 2012, 86, .	3.2	46
12	Domain Wall Based Spin-Hall Nano-Oscillators. Physical Review Letters, 2019, 123, 057204.	7.8	37
13	Optical detection of vortex spin-wave eigenmodes in microstructured ferromagnetic disks. Physical Review B, 2011, 84, .	3.2	28
14	High spin-wave propagation length consistent with low damping in a metallic ferromagnet. Applied Physics Letters, 2019, 115, .	3.3	26
15	Nonlocal Stimulation of Three-Magnon Splitting in a Magnetic Vortex. Physical Review Letters, 2020, 125, 207203.	7.8	24
16	Propagation of spin waves through a $\text{Ni}_{81}\text{Fe}_{19}$ domain wall. Applied Physics Letters, 2020, 117, .	3.3	19
17	Combined frequency and time domain measurements on injection-locked, constriction-based spin Hall nano-oscillators. Applied Physics Letters, 2019, 114, .	3.3	16
18	Nonlinear losses in magnon transport due to four-magnon scattering. Applied Physics Letters, 2020, 117, .	3.3	14

#	ARTICLE	IF	CITATIONS
19	Injection locking of multiple auto-oscillation modes in a tapered nanowire spin Hall oscillator. Scientific Reports, 2018, 8, 16040.	3.3	13
20	Nonlinear Ferromagnetic Resonance in the Presence of Three-Magnon Scattering in Magnetic Nanostructures. IEEE Magnetism Letters, 2019, 10, 1-5.	1.1	13
21	Time Refraction of Spin Waves. Physical Review Letters, 2021, 126, 137201.	7.8	12