

Felix GroÃ

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

436
citations

840776

11
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-space imaging of confined magnetic skyrmion tubes. Nature Communications, 2020, 11, 1726.	12.8	103
2	Ferrimagnetic Skyrmions in Topological Insulator/Ferrimagnet Heterostructures. Advanced Materials, 2020, 32, e2003380.	21.0	41
3	Real-Space Observation of Magnon Interaction with Driven Space-Time Crystals. Physical Review Letters, 2021, 126, 057201.	7.8	34
4	Magnons in a Quasicrystal: Propagation, Extinction, and Localization of Spin Waves in Fibonacci Structures. Physical Review Applied, 2019, 11, .	3.8	32
5	Nanoscale detection of spin wave deflection angles in permalloy. Applied Physics Letters, 2019, 114, .	3.3	31
6	Reprogrammability and Scalability of Magnonic Fibonacci Quasicrystals. Physical Review Applied, 2019, 11, .	3.8	27
7	Direct observation of coherent magnons with suboptical wavelengths in a single-crystalline ferrimagnetic insulator. Physical Review B, 2019, 100, .	3.2	24
8	Interpreting first-order reversal curves beyond the Preisach model: An experimental permalloy microarray investigation. Physical Review B, 2019, 99, .	3.2	22
9	Thermal nucleation and high-resolution imaging of submicrometer magnetic bubbles in thin thulium iron garnet films with perpendicular anisotropy. Physical Review Materials, 2020, 4, .	2.4	19
10	gFORC: A graphics processing unit accelerated first-order reversal-curve calculator. Journal of Applied Physics, 2019, 126, .	2.5	13
11	Current-induced Néel order switching facilitated by magnetic phase transition. Nature Communications, 2022, 13, 1629.	12.8	13
12	Demonstration of k -vector selective microscopy for nanoscale mapping of higher order spin wave modes. Nanoscale, 2020, 12, 17238-17244.	5.6	12
13	Understanding the interaction of soft and hard magnetic components in NdFeB with first-order reversal curves. Physical Review B, 2021, 103, .	3.2	12
14	Building Blocks for Magnon Optics: Emission and Conversion of Short Spin Waves. ACS Nano, 2020, 14, 17184-17193.	14.6	9
15	Phase resolved observation of spin wave modes in antidot lattices. Applied Physics Letters, 2021, 118, .	3.3	9
16	Visualizing nanoscale spin waves using MAXYMUS. , 2019, , .		9
17	Single shot acquisition of spatially resolved spin wave dispersion relations using X-ray microscopy. Scientific Reports, 2020, 10, 18146.	3.3	8
18	Freezing and thawing magnetic droplet solitons. Nature Communications, 2022, 13, 2462.	12.8	6

#	ARTICLE	IF	CITATIONS
19	Bistability of magnetic states in Fe-Pd nanocap arrays. <i>Nanotechnology</i> , 2019, 30, 405705.	2.6	4
20	Tuning the magnetic properties of permalloy-based magnetoplasmonic crystals for sensor applications. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SEEA04.	1.5	2
21	LeXtender: a software package for advanced MOKE acquisition and analysis. <i>Measurement Science and Technology</i> , 2021, 32, 067002.	2.6	2
22	MIEP "A time-resolved X-ray image evaluation program. <i>SoftwareX</i> , 2021, 15, 100705.	2.6	2
23	A high frequency builder software for arbitrary radio frequency signals. <i>Review of Scientific Instruments</i> , 2022, 93, 034704.	1.3	2