

Hee-Sung Han

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9633427/publications.pdf>

Version: 2024-02-01

13
papers

385
citations

1307594

7
h-index

1125743

13
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13
all docs

13
docs citations

13
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit torque-driven skyrmion dynamics revealed by time-resolved X-ray microscopy. Nature Communications, 2017, 8, 15573.	12.8	143
2	Thermal generation, manipulation and thermoelectric detection of skyrmions. Nature Electronics, 2020, 3, 672-679.	26.0	86
3	Direct Demonstration of Topological Stability of Magnetic Skyrmions <i>via</i> Topology Manipulation. ACS Nano, 2020, 14, 3251-3258.	14.6	57
4	Dynamics of the Bloch point in an asymmetric permalloy disk. Nature Communications, 2019, 10, 593.	12.8	33
5	Magnetic skyrmion diode: Unidirectional skyrmion motion via symmetry breaking of potential energy barriers. Physical Review B, 2021, 104, .	3.2	19
6	Simultaneous control of magnetic topologies for reconfigurable vortex arrays. NPG Asia Materials, 2017, 9, e348-e348.	7.9	18
7	Topology-dependent stability of vortex-antivortex structures. Applied Physics Letters, 2021, 118, .	3.3	8
8	Chirality-dependent asymmetric vortex core structures in a harmonic excitation mode. Applied Physics Letters, 2020, 117, .	3.3	6
9	Imaging the magnetic structures of artificial quasicrystal magnets using resonant coherent diffraction of circularly polarized X-rays. Nanoscale, 2018, 10, 13159-13164.	5.6	5
10	Geometric effects in cylindrical core/shell hard-soft exchange-coupled magnetic nanostructures. Journal of Magnetism and Magnetic Materials, 2021, 523, 167599.	2.3	4
11	Stochasticity in the Switching of Nanodisks for Probabilistic Computing. ACS Applied Nano Materials, 2021, 4, 9912-9918.	5.0	3
12	A Limit to Predict Maximum Energy Product (BH _{max}) from the Magnetization Hysteresis Loop. Journal of the Korean Magnetism Society, 2018, 28, 205-211.	0.0	2
13	Writing and Deleting Magnetic Bubbles using Local Magnetic Fields. Journal of Magnetism, 2020, 25, 458-462.	0.4	1