

Hee-Sung Han

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

385
citations

1307594

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1125743

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13
all docs

13
docs citations

13
times ranked

604
citing authors

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