

Wonbae Bang

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Mutual influence between macrospin reversal order and spin-wave dynamics in isolated artificial spin-ice vertices. <i>Physical Review B</i> , 2018, 97, .	3.2	30
2	Influence of the Vertex Region on Spin Dynamics in Artificial Kagome Spin Ice. <i>Physical Review Applied</i> , 2020, 14, .	3.8	22
3	Angular-dependent spin dynamics of a triad of permalloy macrospins. <i>Physical Review B</i> , 2019, 99, .	3.2	19
4	An Approach to the Development of Organic Additives for Electrodeposition of Narrow Copper Interconnects. <i>Journal of the Electrochemical Society</i> , 2006, 153, C521.	2.9	17
5	Ferromagnetic resonance spectra of permalloy nano-ellipses as building blocks for complex magnonic lattices. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	16
6	Structural and magnetic properties of electrodeposited cobalt nanowires in polycarbonate membrane. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 667-670.	1.8	13
7	Planarity Improvement and Reduction of Coercivity by Organic Additives in Electroplated Ni ⁴⁺ Fe Permalloy Thin Films. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, J86.	2.2	12
8	Effects of Saccharine N-Propane Sulfonate on the Microstructures, Magnetic Properties, and Magnetoimpedance of Electroplated Ni ⁴⁺ Fe Permalloy Thin Films. <i>Journal of the Electrochemical Society</i> , 2008, 155, D429.	2.9	11
9	Control of spin dynamics in artificial honeycomb spin-ice-based nanodisks. <i>Physical Review B</i> , 2020, 101, .	3.2	10
10	Forward volume and surface magnetostatic modes in an yttrium iron garnet film for out-of-plane magnetic fields: Theory and experiment. <i>AIP Advances</i> , 2018, 8, .	1.3	7
11	Effects of an adjacent metal surface on spin wave propagation. <i>AIP Advances</i> , 2018, 8, 056024.	1.3	7
12	Coupled macrospins: Mode dynamics in symmetric and asymmetric vertices. <i>AIP Advances</i> , 2018, 8, 056020.	1.3	6
13	Propagation of magnetostatic spin waves in an yttrium iron garnet film for out-of-plane magnetic fields. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 241-250.	2.3	6
14	Direct detection of multiple backward volume modes in yttrium iron garnet at micron scale wavelengths. <i>Physical Review B</i> , 2019, 99, .	3.2	6
15	Characterization of superconducting Sn thin films and their application to ferromagnet-superconductor hybrids. <i>Thin Solid Films</i> , 2019, 676, 138-143.	1.8	5
16	Excitation of the three principal spin waves in yttrium iron garnet using a wavelength-specific multi-element antenna. <i>AIP Advances</i> , 2018, 8, 056015.	1.3	4
17	Phase detection of spin waves in yttrium iron garnet and metal induced nonreciprocity. <i>Journal of Applied Physics</i> , 2019, 125, 053905.	2.5	4
18	Effect of Organic Additives on Magnetic Properties of Electroplated Cu/Co Thin Films. <i>ECS Transactions</i> , 2006, 2, 33-37.	0.5	2

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19	Permeability change of electroplated Ni-Fe permalloy thin films by a leveller added to the electrolyte. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 4067-4070.	1.8	2
20	Electroplated high-aspect-ratio ferromagnetic nanopillars and their application to Ferromagnet-Superconductor Hybrids. <i>Microelectronic Engineering</i> , 2017, 181, 55-59.	2.4	2
21	Study of Surface Character of Micrometer-Scale Dipole-Exchange Spin Waves in an Yttrium Iron Garnet Film. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	2.1	2
22	Ferromagnetic resonance in single vertices and 2D lattices macro-dipoles of elongated nanoelements: measurements and simulations. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 065803.	1.8	2
23	Magnetoimpedance of Galvanostatically Electroplated Ni-Fe Permalloy Wires. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2748-2749.	2.1	1
24	Controlling superconductivity in thin film with an external array of magnetic nanostructures. <i>International Journal of Modern Physics B</i> , 2015, 29, 1542035.	2.0	1
25	Using electrochemical fabrication to grow external arrays of magnetic nanostripes to manipulate superconductivity in the thin film. <i>International Journal of Modern Physics B</i> , 2015, 29, 1542036.	2.0	1
26	Measurements of long-wavelength spin waves for the magnetic field in the Damon-Eshbach, backward-volume and forward-volume geometries of an yttrium iron garnet film. <i>Journal of Applied Physics</i> , 2018, 123, 123902.	2.5	1
27	Thickness dependence of spin wave dynamics in three-fold nano-ellipse clusters. <i>AIP Advances</i> , 2018, 8, 101502.	1.3	1
28	Magnetostatic spin-waves in an yttrium iron garnet thin film: Comparison between theory and experiment for arbitrary field directions. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	1
29	Tracking the Suhl instability versus angle and frequency for the backward volume mode in an yttrium iron garnet film. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 501, 166441.	2.3	1
30	Spin dynamics in permalloy nano-ellipses for honeycomb and square lattices. <i>AIP Advances</i> , 2022, 12, 035131.	1.3	1
31	Reduction of Coercivity in Electroplated Permalloy Thin Films Utilizing a Brightening Agent. <i>ECS Transactions</i> , 2007, 3, 101-104.	0.5	0
32	Direct Detection of Multiple Backward Volume Modes in Yttrium Iron Garnet at Micron Scale Wavelengths. <i>Proceedings (mdpi)</i> , 2019, 26, 48.	0.2	0
33	Superconductivity and hall effect of polycrystalline Pb82Bi18 thin films, a universal test platform for flux pinning by hybrid nanostructures. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950288.	2.0	0