

Arabinda Haldar

List of Publications by Year in descending order

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papers

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times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	Skyrmion Dynamics in Concentric and Eccentric Nano-Ring Structures. IEEE Transactions on Magnetism, 2022, 58, 1-6.	2.1	5
2	Advances in Magnetism Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetism, 2022, 58, 1-72.	2.1	179
3	Effect of Ta capping layer on spin dynamics in Co50Fe50 thin films. Solid State Communications, 2022, 348-349, 114743.	1.9	1
4	Reconfigurable Logic Operations via Gate Controlled Skyrmion Motion in a Nanomagnetic Device. ACS Applied Electronic Materials, 2022, 4, 2290-2297.	4.3	13
5	Field orientation dependent magnetization reversal and dynamics in sub-100 nm wide permalloy nanowires. Journal Physics D: Applied Physics, 2022, 55, 335001.	2.8	3
6	Tunable microwave properties of a skyrmion in an isolated nanodisk. Journal of Magnetism and Magnetic Materials, 2021, 529, 167900.	2.3	12
7	Magnetization dynamics of single and trilayer permalloy nanodots. Journal of Applied Physics, 2021, 130, .	2.5	6
8	Functional magnetic waveguides for magnonics. Applied Physics Letters, 2021, 119, .	3.3	15
9	Reconfigurable microwave properties in trapezoid-shaped nanomagnets without bias magnetic field. Journal of Magnetism and Magnetic Materials, 2021, 540, 168431.	2.3	3
10	Giant spin pumping at the ferromagnet (permalloy) – organic semiconductor (perylene diimide) interface. RSC Advances, 2021, 11, 35567-35574.	3.6	7
11	Effect of seed layer thickness on the Ta crystalline phase and spin Hall angle. Nanoscale, 2021, 13, 19985-19992.	5.6	4
12	Reconfigurable microwave properties of zigzag magnetic nanowires. Journal Physics D: Applied Physics, 2020, 53, 455005.	2.8	6
13	Microwave assisted gating of spin wave propagation. Applied Physics Letters, 2020, 116, .	3.3	9
14	Reconfigurable and self-biased magnonic metamaterials. Journal of Applied Physics, 2020, 128, .	2.5	18
15	Reconfigurable microwave properties in C-, L- and S-shaped nanomagnets. Journal Physics D: Applied Physics, 2019, 52, 335003.	2.8	6
16	Bias-free giant tunability of microwave properties in multilayer rhomboid nanomagnets. Journal Physics D: Applied Physics, 2018, 51, 275004.	2.8	5
17	Reconfigurable magnetic and microwave properties of a ferrimagnetic-type artificial crystal. Journal of Applied Physics, 2018, 123, .	2.5	6
18	Isotropic transmission of magnon spin information without a magnetic field. Science Advances, 2017, 3, e1700638.	10.3	29

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19	Unconventional spin distributions in thick Ni ₈₀ Fe ₂₀ nanodisks. Applied Physics Letters, 2016, 108, .	3.3	4
20	Bias field free tunability of microwave properties based on geometrically controlled isolated permalloy nanomagnets. Applied Physics Letters, 2016, 108, .	3.3	6
21	Artificial metamaterials for reprogrammable magnetic and microwave properties. Applied Physics Letters, 2016, 108, .	3.3	24
22	A reconfigurable waveguide for energy-efficient transmission and local manipulation of information in a nanomagnetic device. Nature Nanotechnology, 2016, 11, 437-443.	31.5	151
23	Deterministic Control of Magnetization Dynamics in Reconfigurable Nanomagnetic Networks for Logic Applications. ACS Nano, 2016, 10, 1690-1698.	14.6	46
24	Observation of the dynamic modes of a magnetic antivortex using Brillouin light scattering. Physical Review B, 2015, 92, .	3.2	3
25	Control of vortex chirality in Ni ₈₀ Fe ₂₀ dots using dipole coupled nanomagnets. , 2015, , .		0
26	Vortex chirality control in circular disks using dipole-coupled nanomagnets. Applied Physics Letters, 2015, 106, .	3.3	19
27	Geometry and field dependence of the formation of magnetic antivortices in pound-key-like structures. Journal of Applied Physics, 2015, 117, 173902.	2.5	3
28	Role of Fe and Co in optical conductivity and electronic structure of TbNi ₄ Fe and TbNi ₄ Co. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 117, 414-418.	0.6	2
29	Brillouin light scattering study of spin waves in NiFe/Co exchange spring bilayer films. Journal of Applied Physics, 2014, 115, .	2.5	27
30	Time-domain detection of current controlled magnetization damping in Pt/Ni ₈₁ Fe ₁₉ bilayer and determination of Pt spin Hall angle. Applied Physics Letters, 2014, 105, .	3.3	29
31	Time-Domain Study of Magnetization Dynamics in Magnetic Thin Films and Micro- and Nanostructures. Solid State Physics, 2014, , 1-108.	0.5	41
32	Magnetic antivortex formation in pound-key-like nanostructures. Applied Physics Letters, 2013, 102, .	3.3	9
33	Magnetic, magnetocaloric and neutron diffraction studies on TbNi ₅ ~xMx (M=Co and Fe) compounds. Journal of Alloys and Compounds, 2011, 509, 3760-3765.	5.5	25
34	High field neutron diffraction study in Ce(Fe _{0.95} Si _{0.05}) ₂ compound. Journal of Applied Physics, 2011, 109, .	2.5	3
35	Magnetic properties and exchange interactions in TbNi ₅ ~xMx (M=Co and Fe) compounds: Ab initio calculations. Journal of Applied Physics, 2011, 109, 07E152.	2.5	8
36	Metastable magnetization behavior of magnetocaloric R ₆ Co _{1.67} Si ₃ (R=Tb and Nd) compounds. Physica B: Condensed Matter, 2010, 405, 3446-3451.	2.7	9

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37	Temperature and magnetic field induced structural transformation in Si-doped : An in-field X-ray diffraction study. Solid State Communications, 2010, 150, 879-883.	1.9	20
38	Observation of re-entrant spin glass behavior in $(\text{Ce}_{1-x}\text{Er}_x)\text{Fe}_2$ compounds. Europhysics Letters, 2010, 91, 67006.	2.0	28
39	Magnetostructural transition in $\text{Ce}(\text{Fe}_{0.975}\text{Ga}_{0.025})_2$ compound. Journal of Applied Physics, 2010, 107, 09E133.	2.5	3
40	Magnetization jumps and relaxation effect in doped CeFe_2 . Journal of Physics: Conference Series, 2010, 200, 032021.	0.4	5
41	Magnetic and magnetocaloric properties of $\text{Ce}_{1-x}\text{R}_x\text{Fe}_2$ and $\text{Ce}(\text{Fe}_{1-x}\text{M}_x)_2$ compounds. Journal Physics D: Applied Physics, 2010, 43, 285004.	2.8	20
42	Martensitic features in Si doped CeFe_2 revealed by magnetization and transport study. Intermetallics, 2010, 18, 1772-1778.	3.9	10
43	Large reversible magnetocaloric effect in Er_3Co compound. Journal of Applied Physics, 2010, 107, 09A932.	2.5	19
44	Stabilization of antiferromagnetism in CeFe_2 alloys: the effects of chemical and hydrostatic pressure. Journal of Physics Condensed Matter, 2009, 21, 496003.	1.8	10
45	Magnetism in gallium-doped CeFe_2 Martensitic scenario. Physical Review B, 2008, 78, .	3.4	18
46	Large Spin Pumping and Inverse Spin Hall Effect in Ta/Py Bilayer Structures. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100608.	1.8	1