

Henry Stopfel

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

327
citations

933264

10
h-index

839398

18
g-index

20
all docs

20
docs citations

20
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction modifiers in artificial spin ices. <i>Nature Physics</i> , 2018, 14, 375-379.	6.5	76
2	<i>In situ</i> magnetic force microscope studies of magnetization reversal of interaction domains in hot deformed Nd-Fe-B magnets. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	41
3	A new look on the two-dimensional Ising model: thermal artificial spins. <i>New Journal of Physics</i> , 2016, 18, 023008.	1.2	37
4	Spin transfer torque ferromagnetic resonance induced spin pumping in the Fe/Pd bilayer system. <i>Physical Review B</i> , 2017, 95, .	1.1	36
5	Quantitative assessment of pinning forces and magnetic penetration depth in NbN thin films from complementary magnetic force microscopy and transport measurements. <i>Physical Review B</i> , 2011, 83, .	1.1	18
6	Thermally induced magnetic relaxation in square artificial spin ice. <i>Scientific Reports</i> , 2016, 6, 37097.	1.6	18
7	Magnetic order and energy-scale hierarchy in artificial spin-ice structures. <i>Physical Review B</i> , 2018, 98, .	1.1	16
8	Insights into the Formation of DNA-Magnetic Nanoparticle Hybrid Structures: Correlations between Morphological Characterization and Output from Magnetic Biosensor Measurements. <i>ACS Sensors</i> , 2020, 5, 3510-3519.	4.0	14
9	Magnetic properties of amorphous Fe ₉₃ Zr ₇ films: Effect of light ion implantation. <i>Journal of Applied Physics</i> , 2015, 117, 143903.	1.1	12
10	Collective magnetic dynamics in artificial spin ice probed by ac susceptibility. <i>Physical Review B</i> , 2020, 101, .	1.1	12
11	Copper-zinc oxide heterojunction catalysts exhibiting enhanced photocatalytic activity prepared by a hybrid deposition method. <i>RSC Advances</i> , 2021, 11, 10224-10234.	1.7	9
12	Magnetic properties and thermal stability of B2 and bcc phases in AlCoCrFeMn Ni. <i>Journal of Alloys and Compounds</i> , 2021, 861, 158450.	2.8	8
13	Temperature-induced collapse of spin dimensionality in magnetic metamaterials. <i>Physical Review B</i> , 2021, 104, .	1.1	6
14	Multiple energy scales in mesospin systems: The vertex-frustrated Saint George lattice. <i>Physical Review Materials</i> , 2021, 5, .	0.9	6
15	Flux-invading behaviors and temperature changes in Dy ₁₂₃ bulk magnet in iterative pulse field magnetization process. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 494, 46-49.	0.6	4
16	Rigid Exchange Coupling in Rare-Earth-Less Amorphous Hard/Soft Nanocomposites. <i>Advanced Electronic Materials</i> , 2020, 6, 2000573.	2.6	4
17	Impact of the crystal orientation on spin-orbit torques in Fe/Pd bilayers. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 355003.	1.3	4
18	Influence of nano-VC on the structural and magnetic properties of MnAlC-alloy. <i>Scientific Reports</i> , 2021, 11, 14453.	1.6	4

#	ARTICLE	IF	CITATIONS
19	The influence of diameter on the magnetic saturation in $\langle 100 \rangle$ Fe $[001]$ multilayered islands. Journal of Magnetism and Magnetic Materials, 2020, 496, 165864.	1.0	284