

Rafael Perez Del Real

List of Publications by Year in descending order

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papers

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22
times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic vs. deterministic magnetic coding in designed cylindrical nanowires for 3D magnetic networks. <i>Nanoscale</i> , 2021, 13, 12587-12593.	5.6	7
2	Role of magnetic ordering in the phase coexistence at the structural instability of the multiferroic BiFeO ₃ ∕PbTiO ₃ . <i>Applied Physics Letters</i> , 2021, 118, 052901.	3.3	0
3	Magnetic Configurations in Modulated Cylindrical Nanowires. <i>Nanomaterials</i> , 2021, 11, 600.	4.1	29
4	Electric current and field control of vortex structures in cylindrical magnetic nanowires. <i>Physical Review B</i> , 2020, 102, .	3.2	14
5	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. <i>ACS Nano</i> , 2020, 14, 12819-12827.	14.6	19
6	Magnetization pinning in modulated nanowires: from topological protection to the "corkscrew" mechanism. <i>Nanoscale</i> , 2018, 10, 5923-5927.	5.6	51
7	Thermo-responsive PNIPAm nanopillars displaying amplified responsiveness through the incorporation of nanoparticles. <i>Nanoscale</i> , 2018, 10, 1189-1195.	5.6	19
8	Magnetization Ratchet in Cylindrical Nanowires. <i>ACS Nano</i> , 2018, 12, 5932-5939.	14.6	63
9	Micromagnetic evaluation of the dissipated heat in cylindrical magnetic nanowires. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	15
10	Magnetic properties engineering of nanopatterned cobalt antidot arrays. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 175004.	2.8	11
11	Magnetic interactions in compositionally modulated nanowire arrays. <i>Nanotechnology</i> , 2016, 27, 435705.	2.6	22
12	Synthesis and magnetism of modulated FeCo-based nanowires. <i>Journal of Physics: Conference Series</i> , 2016, 755, 012001.	0.4	9
13	Addition of molybdenum into amorphous glass-coated microwires usable as temperature sensors in biomedical applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 377-383.	1.8	16
14	Nanometer Scale Hard/Soft Bilayer Magnetic Antidots. <i>Nanoscale Research Letters</i> , 2016, 11, 86.	5.7	18
15	Nanometric Metal-Film Thickness Measurement Based on a Planar Spiral Coils Stack. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 297-303.	2.0	1
16	Vortex domain wall propagation in periodically modulated diameter FeCoCu nanowire as determined by the magneto-optical Kerr effect. <i>Nanotechnology</i> , 2015, 26, 461001.	2.6	41
17	Structural and Magnetic Characterization of FeCoCu/Cu Multilayer Nanowire Arrays. <i>IEEE Magnetics Letters</i> , 2014, 5, 1-4.	1.1	15
18	CoFeCu electroplated nanowire arrays: Role of composition and annealing on structure and magnetic properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1076-1082.	1.8	29

#	ARTICLE	IF	CITATIONS
19	Local magnetization profile and geometry magnetization effects in microwires as determined by magneto-optical Kerr effect. Journal of Applied Physics, 2013, 113, .	2.5	18
20	Controlling depinning and propagation of single domain-walls in magnetic microwires. European Physical Journal B, 2013, 86, 1.	1.5	23
21	Trapping and Injecting Single Domain Walls in Magnetic Wire by Local Fields. Physical Review Letters, 2012, 108, 037201.	7.8	63
22	Micromagnetism of dense permalloy antidot lattices from anodic alumina templates. Europhysics Letters, 2012, 100, 17007.	2.0	10