

# Jorge A Otálora

## List of Publications by Year in descending order

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18  
papers

371  
citations

933447

10  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curvature-Induced Asymmetric Spin-Wave Dispersion. <i>Physical Review Letters</i> , 2016, 117, 227203.	7.8	100
2	Chirality switching and propagation control of a vortex domain wall in ferromagnetic nanotubes. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	69
3	Asymmetric spin-wave dispersion in ferromagnetic nanotubes induced by surface curvature. <i>Physical Review B</i> , 2017, 95, .	3.2	43
4	Breaking of chiral symmetry in vortex domain wall propagation in ferromagnetic nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 341, 86-92.	2.3	38
5	Domain wall manipulation in magnetic nanotubes induced by electric current pulses. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 436007.	1.8	29
6	Nonreciprocity of spin waves in magnetic nanotubes with helical equilibrium magnetization. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	18
7	Oersted field assisted magnetization reversal in cylindrical core-shell nanostructures. <i>Journal of Applied Physics</i> , 2015, 117, 173914.	2.5	14
8	Hyperthermia in low aspect-ratio magnetic nanotubes for biomedical applications. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	14
9	Symmetry and curvature effects on spin waves in vortex-state hexagonal nanotubes. <i>Physical Review B</i> , 2021, 104, .	3.2	12
10	Frequency linewidth and decay length of spin waves in curved magnetic membranes. <i>Physical Review B</i> , 2018, 98, .	3.2	11
11	A platform for nanomagnetism " assembled ferromagnetic and antiferromagnetic dipolar tubes. <i>Nanoscale</i> , 2019, 11, 2521-2535.	5.6	8
12	Fano" Andreev and Fano" Majorana Correspondence in Quantum Dot Hybrid Structures. <i>Annalen Der Physik</i> , 2020, 532, 1900409.	2.4	7
13	Curvilinear spin-wave dynamics beyond the thin-shell approximation: Magnetic nanotubes as a case study. <i>Physical Review B</i> , 2022, 106, .	3.2	6
14	Majorana Bound States Hallmarks in a Quantum Topological Interferometer Ring. <i>Annalen Der Physik</i> , 2021, 533, 2100040.	2.4	1
15	Efectos de la temperatura en la resonancia ferromagn"tica: estudio comparativo para diferentes materiales. <i>Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales</i> , 2019, 43, 375-381.	0.2	1
16	Oscillations in the spatial distribution of current in nanotubes and nanowires. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	0
17	DOMAIN WALL MOTION IN MAGNETIC NANOTUBES INDUCED WITH TIME-DEPENDENT FIELDS. <i>Spin</i> , 2013, 03, 1340004.	1.3	0
18	Quantum Dot Hybrid Structures: Fano" Andreev and Fano" Majorana Correspondence in Quantum Dot Hybrid Structures (Ann. Phys. 4/2020). <i>Annalen Der Physik</i> , 2020, 532, 2070021.	2.4	0