

Jose Luis Vicent Lopez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2080726/publications.pdf>

Version: 2024-02-01

20
papers

988
citations

840776

11
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Realization of macroscopic ratchet effect based on nonperiodic and uneven potentials. Scientific Reports, 2021, 11, 16617.	3.3	0
2	Layer-dependence of macroscopic and atomic magnetic correlations in Co/Pd multilayers. AIP Advances, 2020, 10, 065321.	1.3	1
3	Topologically protected superconducting ratchet effect generated by spin-ice nanomagnets. Nanotechnology, 2019, 30, 244003.	2.6	9
4	Vortex dynamics controlled by local superconducting enhancement. New Journal of Physics, 2019, 21, 113059.	2.9	2
5	Remanence enhancement for stray field-based applications in arrays of crystalline nanomagnets. Journal Physics D: Applied Physics, 2019, 52, 095002.	2.8	0
6	Different approaches to generate matching effects using arrays in contact with superconducting films.. Superconductor Science and Technology, 2017, 30, 025014.	3.5	5
7	Magnetic versus non-magnetic pinning of vortices in superconducting films: Role of effective penetration depth. Applied Physics Letters, 2016, 109, 172601.	3.3	4
8	Superconducting/magnetic Three-state Nanodevice for Memory and Reading Applications. Scientific Reports, 2015, 5, 15210.	3.3	14
9	A superconducting/magnetic hybrid rectifier based on Fe single-crystal nanocentres: role of magnetic and geometric asymmetries. Journal Physics D: Applied Physics, 2013, 46, 095302.	2.8	5
10	Control of dissipation in superconducting films by magnetic stray fields. Applied Physics Letters, 2013, 102, 052601.	3.3	15
11	Magnetic pinning of flux lattice in superconducting-nanomagnet hybrids. Applied Physics Letters, 2011, 99, 182509.	3.3	5
12	Rocking ratchet induced by pure magnetic potentials with broken reflection symmetry. Physical Review B, 2009, 80, .	3.2	15
13	A Superconducting Reversible Rectifier That Controls the Motion of Magnetic Flux Quanta. Science, 2003, 302, 1188-1191.	12.6	441
14	Directional vortex motion guided by artificially induced mesoscopic potentials. Physical Review B, 2003, 68, .	3.2	58
15	Vortex lattice channeling effects in Nb films induced by anisotropic arrays of mesoscopic pinning centers. Physical Review B, 2002, 65, .	3.2	53
16	Anisotropic pinning enhancement in Nb films with arrays of submicrometric Ni lines. Applied Physics Letters, 2002, 81, 2851-2853.	3.3	30
17	Order in driven vortex lattices in superconducting Nb films with nanostructured pinning potentials. Physical Review B, 2002, 65, .	3.2	32
18	Temperature dependence and mechanisms of vortex pinning by periodic arrays of Ni dots in Nb films. Physical Review B, 2000, 62, 9110-9116.	3.2	69

#	ARTICLE	IF	CITATIONS
19	Vortex liquid entanglement in twinned $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{Y}_2\text{BaCuO}_5$ composite superconductors. Physical Review B, 1999, 60, 13099-13106.	3.2	34
20	Artificially Induced Reconfiguration of the Vortex Lattice by Arrays of Magnetic Dots. Physical Review Letters, 1999, 83, 1022-1025.	7.8	196