

Juan J Alonso

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

846
citations

14
h-index

28
g-index

45
ext. papers

890
ext. citations

4.1
avg, IF

3.88
L-index

#	Paper	IF	Citations
43	Cryogenic magnetocaloric effect in a ferromagnetic molecular dimer. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6606-9	16.4	263
42	Ordering of dipolar Ising crystals. <i>Physical Review B</i> , 2000 , 62, 53-56	3.3	70
41	Shape of the Tail of a Two-Dimensional Sandpile. <i>Physical Review Letters</i> , 1996 , 76, 4911-4914	7.4	57
40	Magnetic long-range order induced by quantum relaxation in single-molecule magnets. <i>Physical Review Letters</i> , 2004 , 93, 117202	7.4	56
39	One-stage continuous melting transition in two dimensions. <i>Physical Review Letters</i> , 1995 , 75, 3477-3480	7.4	56
38	Magnetization process of single molecule magnets at low temperatures. <i>Physical Review Letters</i> , 2003 , 91, 047202	7.4	34
37	Melting of systems of hard disks by Monte Carlo simulations. <i>Physical Review E</i> , 1997 , 55, 750-764	2.4	26
36	Monte Carlo study of the spin-glass phase of the site-diluted dipolar Ising model. <i>Physical Review B</i> , 2010 , 81,	3.3	21
35	Tunnel window's imprint on dipolar field distributions. <i>Physical Review Letters</i> , 2001 , 87, 097205	7.4	21
34	Nonuniversal critical behavior of magnetic dipoles on a square lattice. <i>Physical Review B</i> , 2007 , 76,	3.3	19
33	Phase transitions in driven lattice gases. <i>Physical Review E</i> , 1996 , 53, 6038-6047	2.4	17
32	Theoretical simulation of the anisotropic phases of antiferromagnetic thin films. <i>Physical Review B</i> , 2006 , 74,	3.3	14
31	Lattice model for the calculation of the angle of repose from microscopic grain properties. <i>Physical Review E</i> , 1998 , 58, 672-680	2.4	14
30	van der Waals loops and the melting transition in two dimensions. <i>Physical Review E</i> , 1999 , 59, 2659-2663	3.4	14
29	Size-dependent magnetic ordering and spin dynamics in DyPO ₄ and GdPO ₄ nanoparticles. <i>Physical Review B</i> , 2011 , 84,	3.3	13
28	Temporally disordered Ising models. <i>Europhysics Letters</i> , 2001 , 56, 485-491	1.6	12
27	Equilibrium spin-glass transition of magnetic dipoles with random anisotropy axes on a site-diluted lattice. <i>Physical Review B</i> , 2009 , 79,	3.3	11

26	How systems of single-molecule magnets magnetize at low temperatures. <i>Physical Review B</i> , 2004 , 69,	3.3	11
25	Fernández and Alonso Reply:. <i>Physical Review Letters</i> , 2004 , 92,	7.4	10
24	Mean-field solution of a nonequilibrium random-exchange Ising-model system. <i>Physical Review B</i> , 1992 , 45, 10408-10418	3.3	10
23	Low-temperature spin-glass behavior in a diluted dipolar Ising system. <i>Physical Review B</i> , 2015 , 91,	3.3	8
22	Fernández, Alonso, and Stankiewicz Reply:. <i>Physical Review Letters</i> , 1997 , 78, 399-399	7.4	8
21	Phases of anisotropic dipolar antiferromagnets: Mean field theory and Monte Carlo simulations. <i>Physical Review B</i> , 2006 , 73,	3.3	8
20	Phase transitions in systems of magnetic dipoles on a square lattice with quenched disorder. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1330-1333	2.8	7
19	Time relaxation of interacting single-molecule magnets. <i>Physical Review B</i> , 2005 , 72,	3.3	7
18	Simple nonequilibrium extension of the Ising model. <i>Physical Review E</i> , 1996 , 54, 4838-4843	2.4	7
17	Comment on Hole digging in ensembles of tunneling molecular magnets□ <i>Physical Review B</i> , 2005 , 72,	3.3	6
16	Critical and scaling properties of cluster distributions in nonequilibrium Ising-like systems. <i>Physical Review E</i> , 1995 , 52, 6006-6012	2.4	6
15	Reaction-diffusion lattice gas: Theory and computer results. <i>Physical Review E</i> , 1993 , 47, 885-898	2.4	6
14	Nature of the spin-glass phase in dense packings of Ising dipoles with random anisotropy axes. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 355802	1.8	5
13	Phase diagram for ensembles of random close-packed Ising-like dipoles as a function of texturation. <i>Physical Review B</i> , 2019 , 100,	3.3	4
12	Monte Carlo study of the two-dimensional site-diluted dipolar Ising model. <i>Physical Review B</i> , 2010 , 82,	3.3	4
11	Non-equilibrium phase transitions in lattice systems with random-field competing kinetics: mean-field theory. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 9309-9320	1.8	4
10	Numerical results for the Edwards-Anderson spin-glass model at low temperature. <i>Physical Review B</i> , 2013 , 87,	3.3	3
9	Pair correlation function for spin glasses. <i>Physical Review B</i> , 2012 , 86,	3.3	3

8	Percolation Properties of the 2D Heisenberg Model. <i>Physical Review Letters</i> , 1999 , 83, 3669-3672	7.4	3
7	Phase diagram of a three-dimensional dipolar model on an fcc lattice. <i>Physical Review B</i> , 2020 , 102,	3.3	2
6	Non-equilibrium layered lattice gases. <i>Journal of Physics A</i> , 1995 , 28, 4669-4678		2
5	Magnetic ordering of systems of nanodisks with quenched positional disorder. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 136002	1.8	1
4	Magnetic tunnel window's imprint and beyond. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1022-1023	2.8	1
3	Allè, Alonso, Criado, and Pepe Reply:. <i>Physical Review Letters</i> , 2000 , 84, 5917-5917	7.4	1
2	Phase diagram of a three-dimensional dipolar Ising model with textured Ising axes. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 135804	1.8	1
1	Continuous spin reorientation in antiferromagnetic films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1404-1406	2.8	