

# Juan J Alonso

## List of Publications by Year in descending order

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45  
papers

946  
citations

567144

15  
h-index

454834

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryogenic Magnetocaloric Effect in a Ferromagnetic Molecular Dimer. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6606-6609.	7.2	286
2	Ordering of dipolar Ising crystals. <i>Physical Review B</i> , 2000, 62, 53-56.	1.1	81
3	One-Stage Continuous Melting Transition in Two Dimensions. <i>Physical Review Letters</i> , 1995, 75, 3477-3480.	2.9	61
4	Shape of the Tail of a Two-Dimensional Sandpile. <i>Physical Review Letters</i> , 1996, 76, 4911-4914.	2.9	60
5	Magnetic Long-Range Order Induced by Quantum Relaxation in Single-Molecule Magnets. <i>Physical Review Letters</i> , 2004, 93, 117202.	2.9	57
6	Magnetization Process of Single Molecule Magnets at Low Temperatures. <i>Physical Review Letters</i> , 2003, 91, 047202.	2.9	34
7	Monte Carlo study of the spin-glass phase of the site-diluted dipolar Ising model. <i>Physical Review B</i> , 2010, 81, .	1.1	30
8	Melting of systems of hard disks by Monte Carlo simulations. <i>Physical Review E</i> , 1997, 55, 750-764.	0.8	26
9	Temporally disordered Ising models. <i>Europhysics Letters</i> , 2001, 56, 485-491.	0.7	23
10	Phase transitions in driven lattice gases. <i>Physical Review E</i> , 1996, 53, 6038-6047.	0.8	22
11	Tunnel Window's Imprint on Dipolar Field Distributions. <i>Physical Review Letters</i> , 2001, 87, 097205.	2.9	22
12	Nonuniversal critical behavior of magnetic dipoles on a square lattice. <i>Physical Review B</i> , 2007, 76, .	1.1	19
13	Lattice model for the calculation of the angle of repose from microscopic grain properties. <i>Physical Review E</i> , 1998, 58, 672-680.	0.8	17
14	van der Waals loops and the melting transition in two dimensions. <i>Physical Review E</i> , 1999, 59, 2659-2663.	0.8	16
15	Theoretical simulation of the anisotropic phases of antiferromagnetic thin films. <i>Physical Review B</i> , 2006, 74, .	1.1	15
16	Size-dependent magnetic ordering and spin dynamics in DyPO <sub>4</sub> and GdPO <sub>4</sub> nanoparticles. <i>Physical Review B</i> , 2011, 84, .	1.1	14
17	Equilibrium spin-glass transition of magnetic dipoles with random anisotropy axes on a site-diluted lattice. <i>Physical Review B</i> , 2009, 79, .	1.1	13
18	How systems of single-molecule magnets magnetize at low temperatures. <i>Physical Review B</i> , 2004, 69, .	1.1	11

#	ARTICLE	IF	CITATIONS
19	Mean-field solution of a nonequilibrium random-exchange Ising-model system. <i>Physical Review B</i> , 1992, 45, 10408-10418.	1.1	10
20	Fernández and Alonso Reply:. <i>Physical Review Letters</i> , 2004, 92, .	2.9	10
21	Low-temperature spin-glass behavior in a diluted dipolar Ising system. <i>Physical Review B</i> , 2015, 91, .	1.1	9
22	Fernández, Alonso, and Stankiewicz Reply:. <i>Physical Review Letters</i> , 1997, 78, 399-399.	2.9	8
23	Phases of anisotropic dipolar antiferromagnets: Mean field theory and Monte Carlo simulations. <i>Physical Review B</i> , 2006, 73, .	1.1	8
24	Critical and scaling properties of cluster distributions in nonequilibrium Ising-like systems. <i>Physical Review E</i> , 1995, 52, 6006-6012.	0.8	7
25	Simple nonequilibrium extension of the Ising model. <i>Physical Review E</i> , 1996, 54, 4838-4843.	0.8	7
26	Time relaxation of interacting single-molecule magnets. <i>Physical Review B</i> , 2005, 72, .	1.1	7
27	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.	1.0	7
28	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.	0.7	7
29	Phase diagram for ensembles of random close-packed Ising-like dipoles as a function of texturation. <i>Physical Review B</i> , 2019, 100, .	1.1	7
30	Phase diagram of a three-dimensional dipolar model on an fcc lattice. <i>Physical Review B</i> , 2020, 102, .	1.1	7
31	Reaction-diffusion lattice gas: Theory and computer results. <i>Physical Review E</i> , 1993, 47, 885-898.	0.8	6
32	Percolation Properties of the 2D Heisenberg Model. <i>Physical Review Letters</i> , 1999, 83, 3669-3672.	2.9	6
33	Comment on "Hole digging in ensembles of tunneling molecular magnets". <i>Physical Review B</i> , 2005, 72, .	1.1	6
34	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.	0.7	4
35	Non-equilibrium layered lattice gases. <i>Journal of Physics A</i> , 1995, 28, 4669-4678.	1.6	4
36	Monte Carlo study of the two-dimensional site-diluted dipolar Ising model. <i>Physical Review B</i> , 2010, 82, .	1.1	4

#	ARTICLE	IF	CITATIONS
37	Phase diagram of a three-dimensional dipolar Ising model with textured Ising axes. Journal of Physics Condensed Matter, 2020, 32, 135804.	0.7	4
38	Pair correlation function for spin glasses. Physical Review B, 2012, 86, .	1.1	3
39	Numerical results for the Edwards-Anderson spin-glass model at low temperature. Physical Review B, 2013, 87, .	1.1	3
40	Magnetic ordering of random dense packings of freely rotating dipoles. Physical Review B, 2020, 102, .	1.1	2
41	AllÃ©s, Alonso, Criado, and Pepe Reply:. Physical Review Letters, 2000, 84, 5917-5917.	2.9	1
42	Magnetic tunnel window's imprint and beyond. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1022-1023.	1.0	1
43	Magnetic ordering of systems of nanodisks with quenched positional disorder. Journal of Physics Condensed Matter, 2011, 23, 136002.	0.7	1
44	Continuous spin reorientation in antiferromagnetic films. Journal of Magnetism and Magnetic Materials, 2007, 310, 1404-1406.	1.0	0
45	Monte Carlo simulation of the equilibrium spin glass phase in disordered assemblies of magnetic nanoparticles. , 2009, , .		0