

# Francisco Sastre

## List of Publications by Year in descending order

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16  
papers

179  
citations

1478505

6  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nominal Thermodynamic Temperature in Nonequilibrium Kinetic Ising Models. <i>Physical Review Letters</i> , 2003, 91, 267205.	7.8	37
2	Thermodynamic and structural properties of confined discrete-potential fluids. <i>Journal of Chemical Physics</i> , 2006, 125, 204715.	3.0	26
3	Microcanonical-ensemble computer simulation of the high-temperature expansion coefficients of the Helmholtz free energy of a square-well fluid. <i>Molecular Physics</i> , 2018, 116, 351-360.	1.7	26
4	Critical phenomena of the majority voter model in a three-dimensional cubic lattice. <i>Physical Review E</i> , 2012, 86, 041123.	2.1	23
5	Critical phenomena in the majority voter model on two-dimensional regular lattices. <i>Physical Review E</i> , 2014, 89, 052109.	2.1	15
6	Discrete perturbation theory for continuous soft-core potential fluids. <i>Journal of Chemical Physics</i> , 2015, 142, 114501.	3.0	10
7	Microcanonical ensemble simulation method applied to discrete potential fluids. <i>Physical Review E</i> , 2015, 92, 033303.	2.1	8
8	Helmholtz free-energy high-temperature perturbation expansion for square-well and square-shoulder potentials. <i>Molecular Physics</i> , 2021, 119, e1887527.	1.7	8
9	Antiferromagnetic majority voter model on square and honeycomb lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 897-904.	2.6	6
10	Stochastic analog to phase transitions in chaotic coupled map lattices. <i>Physical Review E</i> , 2001, 64, 016207.	2.1	5
11	Phase transitions in lattices of coupled chaotic maps and their dependence on the local Lyapunov exponent. <i>Physical Review E</i> , 1998, 57, 5213-5216.	2.1	4
12	Critical exponents for extended dynamical systems with simultaneous updating: the case of the Ising model. <i>Physica D: Nonlinear Phenomena</i> , 2002, 168-169, 318-324.	2.8	4
13	Critical temperature determination on a square-well fluid using an adaptation of the microcanonical-ensemble computer simulation method. <i>Molecular Physics</i> , 2020, 118, e1593534.	1.7	4
14	FAILURE OF A MEAN-FIELD APPROACH FOR THE MILLER-ROUSE PHASE TRANSITION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 251-256.	1.7	2
15	Critical point determination from probability distribution functions in the three dimensional Ising model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 572, 125881.	2.6	1
16	An alternative order-parameter for non-equilibrium generalized spin models on honeycomb lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 165002.	2.1	0