

Jose Maria Montanero

List of Publications by Year in descending order

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papers

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687363

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1125743

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13
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer simulation of uniformly heated granular fluids. <i>Granular Matter</i> , 2000, 2, 53-64.	2.2	155
2	Monte Carlo simulation method for the Enskog equation. <i>Physical Review E</i> , 1996, 54, 438-444.	2.1	79
3	Monte Carlo simulation of the homogeneous cooling state for a granular mixture. <i>Granular Matter</i> , 2002, 4, 17-24.	2.2	78
4	Modified Sonine approximation for the Navier-Stokes transport coefficients of a granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 94-107.	2.6	57
5	Diffusion of impurities in a granular gas. <i>Physical Review E</i> , 2004, 69, 021301.	2.1	44
6	Shear viscosity for a heated granular binary mixture at low density. <i>Physical Review E</i> , 2003, 67, 021308.	2.1	38
7	Mass and heat fluxes for a binary granular mixture at low density. <i>Physics of Fluids</i> , 2006, 18, 083305.	4.0	37
8	Shear viscosity for a moderately dense granular binary mixture. <i>Physical Review E</i> , 2003, 68, 041302.	2.1	35
9	The second and third Sonine coefficients of a freely cooling granular gas revisited. <i>Granular Matter</i> , 2009, 11, 157-168.	2.2	34
10	Navier-Stokes Transport Coefficients of d-Dimensional Granular Binary Mixtures at Low Density. <i>Journal of Statistical Physics</i> , 2007, 129, 27-58.	1.2	31
11	Rheology of Two- and Three-dimensional Granular Mixtures Under Uniform Shear Flow: Enskog Kinetic Theory Versus Molecular Dynamics Simulations. <i>Granular Matter</i> , 2006, 8, 103-115.	2.2	28
12	Modified Sonine approximation for granular binary mixtures. <i>Journal of Fluid Mechanics</i> , 2009, 623, 387-411.	3.4	22
13	First-order Chapman-Enskog velocity distribution function in a granular gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 376, 75-93.	2.6	18