

MarÃ-a JosÃ© Nuevo SÃ¡nchez

List of Publications by Year in descending order

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38
papers

410
citations

623734

14
h-index

794594

19
g-index

38
all docs

38
docs citations

38
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass dependence of isotope self-diffusion by molecular dynamics. <i>Physical Review E</i> , 1995, 51, 2026-2032.	2.1	37
2	Translational and rotational diffusion of model nanocolloidal dispersions studied by molecular dynamics simulations. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 10159-10178.	1.8	37
3	Optical interference artifacts in contact atomic force microscopy images. <i>Ultramicroscopy</i> , 2002, 92, 243-250.	1.9	28
4	Experimental analysis of the influence of surface topography on the adhesion force as measured by an AFM. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 1737-1747.	2.6	23
5	Self-diffusion coefficients and shear viscosity of model nanocolloidal dispersions by molecular dynamics simulation. <i>Physical Review E</i> , 1998, 58, 5845-5854.	2.1	21
6	Statistical error methods in computer simulations. <i>Journal of Computational Physics</i> , 1990, 89, 432-438.	3.8	17
7	<i>In situ</i> energy dispersive X-ray fluorescence analysis of rock art pigments from the "Abrigo dos Gaivões" and "Igreja dos Mouros" caves (Portugal). <i>X-Ray Spectrometry</i> , 2012, 41, 1-5.	1.4	17
8	Translational and rotational diffusion of model nanocolloidal dispersions by molecular dynamics simulations. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1625-1632.	1.7	16
9	Surface characterisation of two strains of <i>Staphylococcus epidermidis</i> with different slime-production by AFM. <i>Applied Surface Science</i> , 2004, 238, 18-23.	6.1	16
10	Application of XRF spectrometry to the study of pigments in glazed ceramic pots. <i>Applied Radiation and Isotopes</i> , 2011, 69, 574-579.	1.5	16
11	Surface morphological characterization of yeast cells by scanning force microscopy. <i>Surface and Interface Analysis</i> , 2001, 31, 1027-1030.	1.8	15
12	Comparative Study of the Hydrophobicity of <i>Candida parapsilosis</i> through Macroscopic and Microscopic Analysis. <i>Langmuir</i> , 2002, 18, 3639-3644.	3.5	15
13	Brownian motion in an isothermal-isobaric bath: Mass and size dependence. <i>Physical Review A</i> , 1989, 40, 5856-5859.	2.5	14
14	Path integral molecular dynamics methods: Application to neon. <i>Journal of Computational Chemistry</i> , 1995, 16, 105-112.	3.3	14
15	Temperature and density dependence of the self-diffusion coefficient and Mori coefficients of Lennard-Jones fluids by molecular dynamics simulation. <i>Physical Review E</i> , 1997, 55, 4217-4224.	2.1	13
16	Comparison of link-cell and neighbourhood tables on a range of computers. <i>Computer Physics Communications</i> , 1992, 69, 223-228.	7.5	12
17	Direct surface probing of cell wall-defective mutants of <i>Saccharomyces cerevisiae</i> by atomic force microscopy. <i>Applied Surface Science</i> , 2004, 238, 51-63.	6.1	10
18	Artifacts in AFM images revealed using friction maps. <i>Applied Surface Science</i> , 2004, 238, 42-46.	6.1	10

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19	Study of inhomogeneities in sources prepared for \hat{I}_{\pm} -particle spectrometry using scanning probe microscopy. Applied Radiation and Isotopes, 2002, 56, 31-36.	1.5	9
20	Self-diffusion of large solid clusters in a liquid by molecular dynamics simulation. Molecular Physics, 1996, 88, 1503-1516.	1.7	8
21	A technique for improving the link-cell method. Computer Physics Communications, 1990, 60, 195-199.	7.5	7
22	The influence of the relative density of a solute particle on the memory function. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 178, 114-118.	2.1	6
23	Some geometrical considerations about the influence of topography on the adhesion force as measured by AFM on curved surfaces. Applied Surface Science, 2004, 238, 9-13.	6.1	6
24	Spectroscopic analysis of decorated vestiges found in the Roman Theatre of Medellán, Badajoz, Spain. Microchemical Journal, 2016, 124, 675-681.	4.5	6
25	Physical meaning of the time-correlation length obtained in a computer simulation. Physical Review E, 1993, 48, 1550-1553.	2.1	5
26	Application of atomic and nuclear techniques to the study of inhomogeneities in electrodeposited \hat{I}_{\pm} -particle sources. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 747-750.	1.4	5
27	Design and construction of a new chamber for measuring the thickness of alpha-particle sources. Applied Radiation and Isotopes, 2008, 66, 804-807.	1.5	5
28	General expression for the density dependence of the mori coefficients. Journal of Computational Chemistry, 1992, 13, 1119-1124.	3.3	4
29	Self-diffusion of large solid clusters in a liquid by molecular dynamics simulation. Molecular Physics, 1996, 88, 1503-1516.	1.7	4
30	The effect of dimensionality on Brownian motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 148, 408-411.	2.1	3
31	Actions for remediation in cases with large concentration of radon indoor. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1219-1225.	1.5	3
32	Temperature and pressure constraints near the freezing point. Physical Review B, 1991, 43, 3514-3517.	3.2	2
33	Spectroscopic analysis of polychromic sculptures belonging to the cultural heritage of Extremadura (Spain). X-Ray Spectrometry, 2019, 48, 490-498.	1.4	2
34	Molecular-dynamics ensembles: Fluctuations and correlations near the phase transitions. Physical Review B, 1993, 48, 9216-9222.	3.2	1
35	Techniques and applications for the study and preservation of the cultural heritage of Extremadura (Spain). Rendiconti Lincei, 2020, 31, 761-772.	2.2	1
36	An alternative method for calculating the structure factor in two-dimensional melting. Molecular Physics, 1996, 87, 203-212.	1.7	1

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37	Pigments Used in Rock Paintings from the East and West of the Iberian Peninsula Analysed by X-ray Fluorescence:., 2016, , 31-40.		1
38	Friction coefficient of a Brownian particle: dependence on size and mass. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 167, 65-68.	2.1	0