

## PUBLICACIONES / 1998

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1. Aguayo, R and Espinosa, J and Garrido, W and Cabrera, AL and Lederman, D and Schuller, IK. Surface adsorption and bulk diffusion in metallic films sensed by resistivity change. *Rev. Mex. Fis.* 44, 1-5 (1998).
2. Aliaga-Rossel, R and Lebedev, SV and Chittenden, JP and Mitchell, IH and Saavedra, R and Dangor, AE and Haines, MG. Optical measurements of plasma dynamics in carbon fiber Z-pinches. *Ieee Trans. Plasma Sci.* 26, 1101-1107 (1998).
3. Benguria, RD and Depassier, MC. Speed of fronts of generalized reaction-diffusion equations. *Phys. Rev. E* 57, 6493-6496 (1998).
4. Benguria, RD and Depassier, MC. Phase space derivation of a variational principle for one-dimensional Hamiltonian systems. *Phys. Lett. A* 240, 144-146 (1998).
5. Benguria, RD and Yanez, JM. Variational principle for the chemical potential in the Thomas-Fermi model. *J. Phys. A* 31, 585-593 (1998).
6. Bralic, N and De Carvalho, CAA and Cavalcanti, RM and Donatis, P. Perturbative evidence of nonuniversality in the quantized hall conductivity of a disordered relativistic 2D electron gas. *Mod. Phys. Lett. B* 12, 319-325 (1998).
7. Cabrera, AL and Garrido-Molina, W and Morales-Leal, E and Espinosa-Gangas, J. Surface roughness of metallic films probed by resistivity measurements. *Langmuir* 14, 3249-3254 (1998).
8. Camacho, CJ. Comment on ``Chain length scaling of protein folding time''. *Phys. Rev. Lett.* 80, 207 (1998).
9. Choi, P and Favre, M. Fast pulsed hollow cathode capillary discharge device. *Rev. Sci. Instrum.* 69, 3118-3122 (1998).
- 10., L and Orszag, M and Zagury, N. Quantum diagnosis of molecules: A method for measuring directly the Wigner function of a molecular vibrational state. *Phys. Rev. A* 57, 2544-2549 (1998).
11. Dominguez, CA and Fetete, MS and Loewe, M. The rho meson and the thermal behavior of an effective hadronic coupling constant. *Nucl. Phys. B Proc. Suppl.* 64, 498-501 (1998).
12. Dominguez, CA and van Gend, C and Loewe, M. Pion-nucleon coupling at finite temperature. *Phys. Lett. B* 429, 64-71 (1998).
13. Dosch, HG and Loewe, M and Neubert, M. The rho meson and the thermal behavior of an effective hadronic coupling constant - Discussions. *Nucl. Phys. B Proc Suppl.* 64, 501 (1998).
14. Favre, M and Silva, P and Choi, P and Chuquai, H and Dumitrescu-Zoita, C and Wyndham, ES. Experimental investigations of hotspots in a low energy plasma focus operating in hydrogen-argon mixtures. *Ieee Trans. Plasma Sci.* 26, 1154-1161 (1998).

15. Gutierrez, G and Kiwi, M and Ramirez, R. Temperature induced disorder in beta-Zr. *Rev. Mex. Fis.* 44, 62-65 (1998).
16. Krause, J. SU(2) quantum kinematics: Rotation-observable versus angular-momentum generalized commutation relations. *J. Math. Phys.* 39, 5798-5810 (1998).
17. Krause, J. Quantum kinematic theory of the Poincare group in two-dimensional spacetime. *Int. J. Theor. Phys.* 37, 759-784 (1998).
18. Loewe, M and Narison, S and Schuler, G. Masses, decays and mixings of gluonia in QCD: a summary - Discussions. *Nucl. Phys. B Proc. Suppl.* 64, 219 (1998).
19. Mariani, DF and Gonzalez, F and De Castro, MJ. Effect of ionizing radiation on I-V dipoles in LiF crystals. *J. Mater. Sci. Lett.* 17, 1177-1179 (1998).
20. Mariani, DF and Gonzalez, F and de Castro, MJ. Ionizing radiation effects on the ionic conductivity of NaCl. *Physica B* 245, 219-224 (1998).
21. Mariani, DF and Ibarra, A and de Castro, MJ. Ionic conductivity and stored energy in gamma-irradiated NaF. *J. Phys. Condens. Matter* 10, 7851-7856 (1998).
22. Mundarain, D and Orszag, M. Partial destruction of sensitivity in non-ideal interferometric detection of gravitational waves. *Opt. Express* 3, 131-140 (1998).
23. Mundarain, DF and Neto, PAM. Quantum radiation in a plane cavity with moving mirrors. *Phys. Rev. A* 57, 1379-1390 (1998).
24. Romero, AH and Schuller, IK and Ramirez, R. Subsurface bonding of hydrogen in niobium: A molecular-dynamics study. *Phys. Rev. B* 58, 15904-15908 (1998).
25. Volkmann, UG and Mannebach, H and Knorr, K. Ellipsometric study of multilayer growth and wetting of C<sub>2</sub>Cl<sub>2</sub>F<sub>4</sub> physisorbed on graphite. *Langmuir* 14, 4904-4907 (1998).
26. Zarate, RA and Cabrera, AL and Volkmann, UG and Fuenzalida, V. Growth studies of thin films of BaTiO<sub>3</sub> using flash evaporation. *J. Phys. Chem. Solids* 59, 1639-1645 (1998).