



Artículos Arbitrados Enviados

Astrofísica

1. Gavazzi, G., Boselli, A., Cortese, L., Arosio, I., Gallazi, A., Pedotti, P., **Carrasco, L.**, "H α surface photometry of Galaxies V: The survey completion.", A&A.
2. Gadotti, D.A., Athanassoula, E., Bosma, A., **Carrasco, L. Recillas, E.**, "The Cananea Deep Near-Infrared Survey of Early-Type Barred Galaxies". A&A, MainJournal
3. Teniza, E., Maya, M., **Corona-Galindo, M.**, "Cross section for neutrino-massive leptons scattering during the very early Universe", RMF.
4. Popović, L.C., Shapovalova, A.I., **Chavushyan, V.H.**, Ilić, D., Burenkov, A.N., Mercado, A., "Physical properties of the BLR of NGC 5548: Long term variability", RMxAA.
5. Arshakian, T.G., Lobanov, A.P., **Chavushyan, V.H.**, Shapovalova, A.I., Zensus, A.J., "Observational evidence for link between the variable optical continuum and the jet of a radio-loud galaxy 3C390.3", A&A.
6. **Lekht E.E.**, Trinidad M.A., **Mendoza-Torres J.E.** "Time variation of the water maser in ON2", A&A.
7. Villata, M. et al. **López-Cruz, O.** (sixty in a list of 83 authors), "The Unprecedented Optical Outburst of the Quasar 3C 454.3 The WEBT CAMPAING 2004-2005", A&A Letters
8. **Palma, A.**, "On the Time Dependent Solutions of the Schrodinger Equation", Procc. of QSCP-X held in Carthage, Tunisia. 1-7 September 2005
9. **Plionis, M. Tovmassian H.**, "The True Size and Crossing Time of Poor Groups of Galaxies", MNRAS
10. **Plionis, M.** Andernach H., **Lopez-Cruz, O.** Tago, E. Basilakos, S. "The Cluster Mass to Light ratio and Cosmological Implications, MNRAS
11. **Plionis, M. López-Cruz,** L\ Andernach, H. Tago, E. and Basilakos S. "Cluster of Galaxies., Mass-to-Light Ratios and the Value of the Density Parameter Omega", MNRAS
12. **Plionis, M. Tovmassian, H.M.**, "On the relation between shape and dynamics of poor groups of galaxies", ApJ



Artículos Arbitrados Enviados

13. **Pismis, P.**, Mampaso, A., Manteiga, M., **Recillas, E.**, Cruz-González, G., "Morphology, Kinematics and Dynamics of Spirals: Kinematics of the NGC 5915, Galaxy and its Companions NGC 5916 y NGC 5916A", APJ. Main Journal.
14. Garcia-Rojas, J., Esteban, C., Peimbert, M., Costado, M. T., **Rodríguez, M.**, Peimbert, A., Ruiz, M.-T., "Faint emission lines in the Galactic H II regions M16, M20 and NGC 3603", MNRAS.
15. **Silich, S.**, Lozinskaya, T., Moiseev, A., Podorvanuk, N., Rosado, M., Borissova, J., Valdez-Gutierrez, M., "On the neutral gas kinematics in IC 1613. Are they consistent with the standard superbubble model?", A&A.
16. **Silant'ev N.A., Lekht E.E., Mendoza-Torres J.E.**, Rudnitskij G.M., "Influence of turbulence on the shape of a spectral line.", A & A
17. **Silantyev, N.A.**, "Polarization of radiation in turbulent magnetized atmospheres, AR.
18. **Tenorio-Tagle, G.**, Munoz-Tunon, C., Perez, E., **Silich, S.**, & Telles, E., "On the feedback from super stellar clusters. I. The structure of giant HII regions and HII galaxies", ApJ.
19. **Tovmassian, H., Plionis, M., Torres-Papaqui, J.P.**, "Compact Groups: Casual concentrations of Loose Groups ?", A&A.
20. Bressan, A. Falomo, R. **Valdés, J.R.**, Rampazzo.R, "Circumnuclear Star Formation in BL Lacertae object PKS2005-489", ApJ.
21. Bressan, A., Panuzzo, P., Buzon, L., Clemens, M., Granato, G.L., Rampazzo, R., Silva, L., **Valdés, J.R., Vega, O.**, Danese, L., "The SPITZER IRS view of stellar populations in Virgo Early Type Galaxies", ApJ.
22. **Wall, W.**, " The $N(H_2) / I(CO)$ Conversion Factor: A Treatment than Includes Radiative Transfer", RMAA.

OPTICA

23. **J. F. Aguilar-Váldez**, J. J. Báez-Rojas. "Chess-board sampling applied to autofocusing in microscopy". Opt. Express, (2005).
24. E. de-la-Rosa-Miranda, **L. R. Berriel Valdós**, J. E. Valdez. "Optical tomographic reconstruction of refractive index gradients using radial basis gaussian functions". Optics Commun., (2005).
25. J. Ojeda-Castañeda, **A. Castro-Ibarra**, A. W. Lohmann. "Sinusoidal phase for a high depth of field". Appl. Opt. (2005).



Artículos Arbitrados Enviados

26. **C. Gutiérrez-Martínez**, J. Santos-Aguilar. "All-fiber electric field sensing scheme based on integrated optics and coherence modulation of light". IEEE Transactions on Instrumentation and Measurements, (2005).
27. **A. Jaramillo-Núñez**, M. Méndez-Lucero. "Optical laser level". Opt. Eng., (2005).
28. **S. Mansurova**, S. Stepanov, R. Ramos-García, V. Camacho-Pernas, F. Gallego-Gómez, E. Mecher, K. Meerholtz. "Space-charge gratings driven by anomalous field induced diffusion in molecularly doped polymers". Phys. Rev. B, (2005).
29. A. Carvajal-Domínguez, **G. Martínez-Niconoff**. "Ondas electromagnéticas en interfaces". Optica Pura y Aplicada, (2005).
30. **G. Martínez-Niconoff**. "Characteristic solution for the non-linear schroedinger equation: geometric decription of solitons". Opt. Commun., (2005).
31. **A. Olivares-Pérez**, S. Toxqui-López, I. Fuentes-Tapia. "Uhu ® adhesive holograms" Opt. Mat., (2005).
32. **A. Padilla-Vivanco**, G. Urcid-Serrano, F. Granados-Agutín. "Orthogonal moments for gray-scale image reconstruction". Appl. Opt., (2005).
33. A. Zamudio-Lara, **J. J. Sánchez-Mondragón**, J. J. Escobedo-Alatorre, C. Velásquez-Ordoñez, M. A. Basurto-Pensado, M. Torres-Cisneros, L. A. Aguilera-Cortes. "Characterization of metal dielectric photonic crystals. Journal of Optical Materials, (2005).
34. **A. S. Shcherbakov**, A. Aguirre-Lopez. "Wave multiplication of binary encoded data exploiting solitary multi-pulse non-collinear three-wave coupled states". Journal of Optics A: Pure and Applied Optics (2005).
35. **A. S. Shcherbakov**, A. Yu Kosarsky, M. Sánchez-Sánchez, V. N. Zvegitshev. "Application of picosecond optical guiding-center solitons in single-mode fibers to precise synchronization of a radio-interferometer". Optik, (2005).
36. M. A. Rosales-Medina, **E. Tepichín-Rodríguez**, R. Cantú, V. Montes, A. Curioca, J. M. Ibarra-Escamilla, J. Bonilla. "Comparision of the WF, PSF, Strehl ratio and MTF between 20/20 untreated, post advanced surface ablation (ASA) and post pseudoaccommodative (Presbyopic) Advanced Surface Ablation (PASA) eyes". Refractive Surgery, (2005).
37. **G. Urcid-Serrano**. A. Padilla-Vivanco. "Far-field diffraction patterns of circular sectors and related apertures". JOSA "A" (2005).



Artículos Arbitrados Enviados

38. D. Berman-Mendoza, A. Morales, M. Aceves-Mijares, **L. R. Berriel-Valdos**, A. Gallegos^{1*}, J. Carrillo², F. Flores², C. Falcony³, Z. Yu. "Comparison of photoluminescence in SRO obtained by different techniques". SMCSYV, (2005).
39. A. G. Rojas-Hernández, **F. J. Renero-Carrillo**. "Diseño de una superficie cónica en silicio cristalino". Rev. Mex. Fís., (2005).
40. A. S. Shcherbakov, **A. Aguirre-López**. "Experimental modeling of algorithms and components for all-optical high-bit-rate digital processors-multipliers using light bullets". Rev. Mex. Fís., (2005).

ELECTRONICA

41. **Calleja W.** and J. E. Aragon. "A simplified micromachining technique for silicon microelectrodes fabrication" Revista Mexicana de Física 2005. NOTA: Se incluye un estudiante.
42. **Grimalsky**, E.Gutierrez-D., A.Garcia-B., S.Koshevaya, "Resonant Excitation of Microwave Acoustic Modes in n-GaAs Film." Microelectronics Journal, 2005 (UK, Elsevier Press).
43. J.Manzanares-Martinez, F.Ramos-Mendieta, and **P.Halevi**, "Transmission Peaks in Two-Dimensional Semiconductor Based Photonic Crystals with Line Defects of Cylinders", Tuning of enviado a Applied Physics Letters.
44. **P.Halevi**, J.A.Reyes-Avenidaño, and J.A.Reyes-Cervantes, "Electrically tuned phase transition and band structure in a liquid crystal-infilled photonic crystal", Phys.Rev.Lett.
45. **P.Halevi**, Adan S.Sanchez, E.Galindo, "Tuning and switching of the spontaneous emission in one-dimensional photonic crystals", Phys.Rev.Lett.
46. **Luis Hernandez-Martinez**, Arturo Sarmiento-Reyes and Victor Jimenez-Fernandez, "Algorithm to find all DC solutions of piecewise-linear ERD and ERDD circuits", "Computación y Sistemas
47. Manuel Salim Maza, **Mónico Linares Aranda**, "An On-chip Clock Generation and Distribution based on Interconnected Rings"Integration - the VLSI journal. En revisión.
48. **Kosarev A**, A.Torres , Y.Hernandez , R.Ambrosio (Dr.estudiante), C.Zuniga T.E.Felter, R.Asozoza, Y.Kudriavtsev, R.Silva-Gonzalez, E.Gomez-Barojas, A.Illinski, A.S.Abramov , "Silicon-Germanium Films Deposited by Low Frequency PE CVD: Effect of H₂ and Ar Dilution". J. Material Research (USA).



Artículos Arbitrados Enviados

49. **Malik A, V.Grimalsky, A.Torres-J., W.Calleja-A., J. De La Hidalga-W.** "Origin of Stimulated Emission in Nanostructured Silicon p-n Junctions" Enviada en Journal of Vacuum Science & Technology"
50. **Zhenrui Yu, Mariano Aceves-Mijares,** Jesus Carrillo, Marco Antonio Ipiña Cabrera, "Single electron charging and tunneling observed in silicon rich oxide", submitted to Japanese Journal Appl. Phys.,Part 1, May 2005, (Ref. No. 05R05061).
51. **Zhenrui Yu, Mariano Aceves,** and Jesus Carrillo, "The effect of nitrogen and hydrogen on the charge trapping properties of silicon rich oxide", Thin Solid Films, Abril 2005, (ID No. TSF_824).
52. **Zaldívar-Huerta,** P. Mollier, C. Gutiérrez-Martínez and H. Porte, "Tunable microwave filtering using high birefringent fibres" Sometida para su publicación a Electronics Letters, Junio 15 2005.

CIENCIAS COMPUTACIONALES

53. Miguel Morales-Sandoval, **Claudia Feregrino Uribe.** "On the hardware design and implementation of ECC cryptographic schemes: ECIES and ECDSA". Applied Cryptography and Information Security Conference (ACIS'06). Lecture Notes in Computer Science.
54. Miguel Morales-Sandoval, **Claudia Feregrino Uribe.** "A Fully Hardware Architecture for Elliptic Curve Cryptography Arithmetic". Applied Cryptography and Information Security Conference (ACIS'06). Lecture Notes in Computer Science.
55. Ignacio Algreto-Badillo, **Claudia Feregrino-Uribe, René Cumplido-Parra,** "Design and Implementation of an FPGA-based 1.452-Gbps Non-pipelined AES Architecture", enviado a ACIS'06 Workshop on Applied Cryptography and Information Security 2006, Glasgow, Escocia. LNCS.
56. Ignacio Algreto-Badillo, **Claudia Feregrino-Uribe, René Cumplido-Parra,** "Design and Implementation of a 1-039 Gbps Non-Pipelined MD5 Architecture", enviado a ACIS'06 Workshop on Applied Cryptography and Information Security 2006, Glasgow, Escocia. LNCS.
57. Luis Alberto Morales Rosales, **Saul E. Pomares Hernández.** "A Temporal Synchronization Mechanism for Real-Time Distributed Continuous Media". Enviado a: LNCS, Springer Verlag, Networking 2006, Coimbra, Portugal.
58. Jorge Estudillo Ramirez, Luis Alberto Morales Rosales, **Saul E. Pomares Hernández.** "A Distributed Synchronization Model for Multimedia Systems". Enviado a: LNCS, Springer Verlag, Networking 2006, Coimbra, Portugal



Artículos Arbitrados Enviados

59. J. A. Muñoz-Gómez, P. González-Casanova, **G. Rodríguez-Gómez**, “Exponential Convergence of Multiquadric Collocation Method: a Numerical Study”, enviado a la revista de Computación y Sistemas del CIC-IPN, revista en el padrón de CONACYT. Fecha de envío: 8 de diciembre 2005, número de control Cys_45/05.
60. Ana Lilia Reyes, **Luis Villaseñor, Manuel Montes**. “Automatic identification of Mexican Indigenous Languages without using Phonetic Transcriptions”. Submitted to LREC 2006.
61. Ana Lilia Reyes-Herrera, **Luis Villaseñor-Pineda, Manuel Montes-y-Gómez**. “Automatic Language Identification Identification using Wavelets”. Submitted to ICASSP 2006. (2005 IEEE International Conference on Acoustics, Speech, and Signal Processing).