



Artículos Publicados con Arbitraje

ASTROFÍSICA

1. Dye, S., Eales, S.A., **Aretxaga, I.**, Serjeant, S., Dunlop, J.S., Babbedge, T. S. R., Chapman, S.C., Cirasuolo, M., Clements, D. L., Coppin, K. E. K., Dunne, L., Egami, E., Farrah, D., Ivison, R. J., van Kampen, E., Pope, A., Priddey, R., Rieke, G. H., Schael, A. M., Scott, D., Simpson, C., Takagi, T., Takata, T., Vaccari, M. "The SCUBA HALF Degree Extragalactic Survey (SHADES)-VII Optical/IR photometry and stellar masses of submillimetre galaxies" MNRAS, 386, 1107-1130, 2008.
2. Coppin, K., Halpern, M., Scott, D., Borys, C., Dunlop, J., Dunne, L., Ivison, R., Wagg, J., **Aretxaga, I.**, **Battistelli, E.**, Benson, A., Blain, A., Chapman, S., Clements, D., Dye, S., Farrah, D., **Hughes, D.**, Jenness, T., Van Kampen, E., Lacey, C., Mortier, A., Pope, A., Priddey, R., Serjeant, S., Smail, I., Stevens, J., Vaccari, M. "The SCUBA HALF Degree Extragalactic Survey - VI. 350- μ m mapping of submillimetre galaxies" MNRAS 384, 1597-1610, 2008.
3. Clements, D.L., Vaccari, M., Babbedge, T., Oliver, S., Rowan-Robinson, M., Davoodi, P., Ivison, R., Farrah, D., Dunlop, J., Shupe, D., Waddington, I., Simpson, C., Furusawa, H., Serjeant, S., Afonso-Luis, A., Alexander, D. M., **Aretxaga, I.**, Blain, A., Borys, C., Chapman, S., Copping, K., Dune, L., Dye, S., Eales, S.A., Evans, T., Fangs, F., Frayer, D., Fox, M., Gear, W.K., Greve, T.R., Halpern, **Hughes, D.H.**, and 17 coauthors "The SCUBA Half-Degree Extragalactic Survey (SHADES) - VIII. The nature of faint submillimetre galaxies in SHADES, SWIRE and SXDF surveys" MNRAS 387, 247-267, 2008.
4. Scott, K. S., Austermann, J. E., Perera, T. A., Wilson, G. W., **Aretxaga, I.**, Bock, J. J., **Hughes, D. H.**, Kang, Y., Kim, S., Mauskopf, P. D., Sanders, D. B., Scoville, N., Yun, M. S. "AzTEC millimetre survey of the COSMOS field - I. Data reduction and source catalogue." NRAS 385, 2225-2238, 2008.

5. Pashchenko M.I., Tolmachev A.M., **Lekht E.E.** "Maser emission in direction of the very massive star GH20 092.67+03.07. (IRAS 20126+4104)" A.R. 52, 211-225.

6. Popović, L., Shapovalova, A. I., **Chavushyan, V.H.**, Ilić, D., Burenkov, A. Mercado, A., Bochkarev, N. G "Probing the Physical Properties of the NGC 5548 Broad Line Region Using Balmer Lines". PASJ, 60, 1.

7. Shapovalova, A. I., Popović, L. Č., Collin, S., Burenkov, A. N., **Chavushyan, V. H.**, Bochkarev, N.G., Benítez, E., Dultzin, D., Kovačević, A., Borisov, N., **Carrasco, L.**, **León-Tavares, J.**, Mercado, A., Valdes, J. R., Vlasuyk, V.V.; Zhdanova, V. E. "Long-term variability of the optical spectra of NGC 4151. I. Light curves and flux correlations" A&A 486, 99.

8. **Mayya, Y. D., Romano, R., Rodríguez-Merino, L. H., Luna, A., Carrasco, L., Rosa González, D.** "HST/ACS Imaging of M82: A Comparison of Mass and Size Distribution Functions of the Younger Nuclear and Older Disk Clusters", ApJ 679, 404-419, mayo 2008.

9. **Plionis, M.**, Rovilos, M., Basilakos, S., Georgantopoulos, I., Bauer, "Luminosity Dependent X-ray AGN Clustering?" ApJ Letters, 674, L5

10. Basilakos, S., **Plionis, M.** , Ragone-Figuera, C. "The Halo Mass-bias evolution in the LCDM Cosmology", ApJ, 678, 627

11. Colberg et al., **Plionis, M.** "The Aspen-Amsterdam void finder comparison project" MNRAS, 387, 933

12. Gutermuth, R. A., Myers, P. C., Megeath, S. T., Allen, L. E., Pipher, J. L., Muzerolle, J., **Porrás, A.**, Winston, E., Fazio, G. "Spitzer Observations of NGC 1333: A Study of Structure and Evolution in a Nearby Embedded Cluster" ApJ, Febrero, 2008

13. **Silantyev, N. A.** G. A. Alexeeva "Influence of temperature fluctuations on the shape of spectral continuum" A& A, 479, 207 – 212, 2008.
14. **Silantyev, N. A.** Gnedin, Yu. N. "Polarization of radiation of point like source reflected from turbulent magnetized atmosphere" A&A 481, 217 – 228, 2008.
15. Martín-Manjón, M. L., Mollá, M., Díaz, A. I., **Terlevich, R.** "The evolution of HII galaxies: testing the bursting scenario through the use of self-consistent models" MNRAS 385, 854-866, 2008.
16. Hägele, G. F., Díaz, Á., I., **Terlevich, E., Terlevich, R.,** Pérez-Montero, E., Cardaci, M., V. "Precision abundance analysis of bright HII galaxies" MNRAS, 383, 209-229, 2008.
17. **Tovmassian, H. M.,** Tiersch, H., "Photometric and Spectroscopic study of seven Shakhbazian Compact Galaxy Groups" RMAA 44, 125-136, 2008.
18. **Tovmassian, H. M., Rodríguez, M.,** Yam, O. "On Galactic Absorption" ApJ 135, 1067-1069, 2008.

ÓPTICA

19. **A. Cornejo-Rodríguez,** F. Granados-Agustín. "Anew classification of interferometers". Optics and Photonics News (<http://www.osa.opn.org/blog/category/A-New-classification> publicado en la red).
20. **C. Gutiérrez-Martínez, J. Santos-Aguilar.**"Electric field sensing scheme based on matched linbo3 electro-optic retarders". IEEE Transactions on Instrumentation and Measurement, **57**, 7, (2008), 1362-1368.

21. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "Short optical pulse profile characterization using a nonlinear optical loop mirror". *Laser Physics* **18**, (2008), 165-174.
22. **B. Ibarra-Escamilla**, O. Pottiez, E. A. Kuzin, J. W. Haus, **R. Grajales-Coutiño**, **P. Zaca-Morán**. "Experimental investigation of self-starting operation in a F8L based on a symmetrical NOLM". *Optics Communications*, **281**, (2008), 1226-1232.
23. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "Optical pulse shaping at moderate power using a twisted-fibre NOLM with single output". *Optics Communications*, **281**, (2008), 1037-1046.
24. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "Analysis of a polarisation-maintaining NOLM switch for OTDM applications". *Optics Communications*, **281**, (2008), 982-990.
25. R. Rojas-Laguna, J. Gutiérrez-Gutiérrez, E. A. Kuzin, **B. Ibarra-Escamilla**, **M. Bello-Jiménez**, J. M. Estudillo-Ayala, **A. Flores-Rosas**. "Nonlinear optical correction of the pulse shape from a directly modulated DFB laser". *Optics Communications*, **281**, (2008), 824-830.
26. M. Anguiano-Morales, A. Martínez, **M. M. D. Iturbe-Castillo**, S. Chávez-Cerda. "Different field distribution obtained with an axicon and an amplitude mask". *Optics Communications*, **281**, (2008), 401-407.
27. **N. Korneev-Zabello**. "Regular approximations to chaotic maps". *CHAOS*, **18**, (2008), 013115-1-013115-7.
28. G. Toker, **N. Korneev-Zabello**. "Disappearance of holographic and interference fringes accompanies optical diagnostics of a supersonic bow shock flow". *Optik*, **119**, 3, (2008), 112-116.

29. **N. Korneev-Zabello**, E. A. Kuzin, B. Ibarra-Escamilla. "Initial development of supercontinuum in fibers with anomalous dispersion pumped by nanosecond-long pulses". *Optics Express*, **16**, 4, (2008), 2636-2645.
30. **G. Martínez-Niconoff**, J. C. Ramírez-San Juan, J. Muñoz-López, P. Martínez-Vara, A. Carbajal-Domínguez, J. Sánchez-Gil. "Spatial filtering dark hollow beams". *Opt. Communications*, **281**, (2008), 3237-3240.
31. **G. Martínez-Niconoff**, J. A. Sánchez-Gil, H. H. Sánchez-Hernández, **A. Pérez-Leija**. "Self-imaging and caustic in two dimensional plasmon optics". *Optics Communications*, **281**, 8, (2008), 2316-2320.
32. J. R. Moya-Cessa, **H. Moya-Cessa**, L. R. Berriel-Valdos, O. Aguilar-Loreto, P. Barberis-Blostein. "Unifying distribution functions: Some lesser known distributions". *Applied Optics*, **47**, 22, (2008), E13-E18.
33. J. Larson, **H. Moya-Cessa**. "Rabi oscillations in a quantum dot-cavity system coupled to a non-zero temperature phonon bath". *Physica Scripta*, **77**, 6, (2008), 065704-1-065704-6.
34. **H. Moya-Cessa**, J. R. Moya-Cessa, J. E. A. Landgrave, G. Martínez-Niconoff, **A. Pérez-Leija**, A. T. Friberg. "Degree of polarization and quantum-mechanical purity". *Journal of the European Optical Society*, **RP3**, (2008), 08014-08014-4.
35. L. M. Arévalo-Aguilar, R. Juárez-Amaro, J. M. Vargas-Martínez, O. Aguilar-Loreto, **H. Moya-Cessa**. "Solution of master equations for the anharmonic oscillator interacting with a heat bath and for parametric down conversion process". *Applied Mathematics and Information Sciences an International Journal*, **2**, 1, (2008), 43-49.
36. R. Juárez-Amaro, J. M. Vargas-Martínez, **H. Moya-Cessa**. "Useful transformation from ion-laser interactions to master equations". *Physics*, **18**, 3, (2008), 344-348.

37. **J. C. Ramírez-San Juan**, R. Ramos-García, **I. Guizar-Iturbide**. "Impact of velocity distribution assumption on simplified laser speckle imaging equation". *Optics Express*, **16**, 5, (2008), 3197-3203.
38. **A. Shcherbakov**. E. Tepichín-Rodríguez. A. Aguirre-López. J. Maximov. "Frequency bandwidth and potential resolution of optical modulators exploiting a multi-photon light scattering in crystals". *OPTIK*, (article in Press) ONLINE: A. S. Scherbakov, et al., *Opt. Int. J. Light Electron, Opt.* (2007), doi: 10.1016/j.ijleo.2007.06.027., (2008).
39. **A. Shcherbakov**. J. Maximov. **S. E. Balderas-Mata**. "Shaping the dissipative collinear three-wave coupled states in a two-mode medium with a square-law nonlinearity and linear non-optical losses". *Journal of Optics A: Pure and Applied Optics*, **10**, (2008), 025001-1-025001-10.
40. **A. Flores-Rosas**, **E. A. Kuzin**, B. Ibarra-Escamilla, **M. Bello-Jiménez**. "Eliminación de ruido ASE en una fibra dopada con erbio empleando un filtro basado en el interferómetro de Sagnac con fibra de Hi-Bi en el lazo". *Revista Mexicana de Física*, **54**, 2, (2008), 130-134.

ELECTRÓNICA

41. Morales-Sánchez, J. Barreto, C Domínguez, **M. Aceves**, Z Yu and J. A. Luna-López, "Coulomb blockade effects in silicon nanoparticles embedded in thin silicon-rich oxide films" *Nanotechnology* Vol. 19, pp 165401-1-5 (2008).
42. Morales-Sánchez , J. Barreto, C. Domínguez-Horna, **M. Aceves-Mijares**, J.A. Luna-López "Optical characterization of silicon rich oxide films", *Sensors and Actuators A*, Vol 142, pp 12–18 (2008).
43. J. A. Reyes, **J.A. Reyes-Avendaño**, **P. Halevi** "Electrical tuning of photonic crystals infilled with liquid crystals", *Optics Communications*, Vol. 281, pp. 2535-2547 (2008).

44. **G. Jovanovic Dolecek, S. K. Mitra,** "Symbolic Sensitivity Analysis of the new second-order IIR Structure" *Journal Ingeniería Investigación y Tecnología*, ISSN 405 7743, Vol. IX, No.1, pp.59-65 (January-March, 2008).
45. **M. Moreno. A. Kosarev,** A. Torres-Jacome, I. Juarez "Arrays of un-cooled micro-bolometers based on amorphous silicon-germanium thin films deposited by plasma" *Journal of Non-Crystalline Solids*, Vol. 354, pp. 2552-2555 (2008).
46. **Kosarev, M. Moreno,** A. Torres, C. Zuniga "IR sensors based on silicon-germanium-born alloys deposited by plasma: Fabrication and characterization" *Journal of Non-Crystalline Solids*, Vol. 354, pp. 2561-2564 (2008).
47. **M. Moreno, A. Kosarev,** A. Torres, R. Ambrosio "Comparison of three un-cooled micro-bolometers configurations based on amorphous silicon-germanium thin films deposited by plasma" *Journal of Non-Crystalline Solids*, Vol. 354, pp. 2598-2602 (2008).
48. **A.Kosarev,** A.Torres-Jacome, N.Checa, Y.Kudriavtsev, R. Asomoza, S. Hernandez, "Boron Incorporation and Its Effect on Electronic Properties of Ge:H Films Deposited by LF Plasma", *Amorphous and Polycrystalline Thin-Film Silicon Science and Technology*, edited by A. Flewitt, J. Hou, S. Miyazaki, A. Nathan, and J. Yang (Mater. Res. Soc. Symp. Proc.) Vol. 1066, pp 1066-A05-04-09 (2008).
49. **O. Malik,** F. J. De la Hidalga-Wade, C. Zúñiga-Islas, and G. Ruíz-T, "Efficient ITO-Si Solar Cells and Power Modules Fabricated with a Low Temperature Technology: Results and Perspectives" *Journal of Non-Crystalline Solids*, Elsevier, Vol. 354, pp. 2472-2477, (2008).
50. **O. Malik,** F. J. De la Hidalga-Wade, C. Zúñiga-Islas "Digital Output Silicon Optical Sensors" *Sensors and Actuators A: Physical*, Elsevier, Vol 142, pp. 196-202 (2008).
51. **O. Malik,** F. J. De la Hidalga-Wade, C. Zúñiga-Islas "Pulse Characteristics of Silicon Double Barrier Optical Sensors With Signal Amplification" *Sensors and Actuators A: Physical*, Elsevier, Vol. 142, pp. 118-123 (2008).

52. **J.M. Ramírez-Cortés**, P. Gómez-Gil, O.J. Paz-Luna, R. Enriquez-Caldera "On digital signal processing understanding through simulation and animation tools" IEEE Multidisciplinary Engineering Education Magazine, Vol. 3, No. 1, pp 12-16 (2008).
53. **J, Plaza Castillo, A. Torres Jacome**, O. Malik, N. Torres López, "Very shallow junctions in Si by implantation and SOD diffusion obtained by RTP" Microelectronics Journal, Vol. 39, pp. 678-681 (2008).
54. **Torres-Jacome, M. Moreno**, A. Kosarev, A. Heredia. "Thermosensing silicon-germanium-born films prepared by plasma for uncooled micro-bolometers" Journal of Non-Crystalline Solids, Vol. 354, pp. 2556-2560 (2008).
55. **E. Tlelo-Cuautle, M.A. Duarte-Villaseñor, I. Guerra-Gómez**, "Automatic synthesis of VFs and VMs by applying genetic algorithms", Circuits Systems and Signal Processing, Vol. 27, No. 3, pp. 391-403, ISSN: 0278-081X (June 2008).
56. **E. Tlelo-Cuautle, D. Moro-Frías, C. Sánchez-López, M.A. Duarte-Villaseñor**, "Synthesis of CCII-s by superimposing VFs and CFs through genetic operations" IEICE Electronics Express, Vol. 5, No. 11, pp. 411-417, ISSN: 1349-2543 (June 2008).
57. **E. Tlelo-Cuautle, J.M. Muñoz-Pacheco** "Automatic simulation of 1D and 2D chaotic oscillators" Journal of Physics: Conference Series, Vol. 96, No. 1 (February 2008).

58. J.M. Muñoz-Pacheco, **E. Tlelo-Cuautle** "Synthesis of n-scrolls attractors using saturated functions from high level simulation" Journal of Physics: Conference Series, Vol. 96, No. 1 (February 2008).

59. **Z. Yu**, M. Aceves-Mijares, K. Monfil, R. Kiebach, R. López Estopier and J. Carrillo. "Room temperature current oscillations in naturally grown silicon nanocrystallites embedded in oxide films" Journal of Applied Physics, Vol. 103, pp 063706-1-4, (2008).

60. Y. Matsumoto, **Z. Yu**, R. Victor Sanchez "Microcrystalline α -phase p-type a-Si:O:H windows prepared by Cat-CVD", Solar Energy Materials and Solar Cells, Vol. 92, 576-580 (2008).

61. **I.E. Zaldivar-Huerta**, J. Rodríguez-Asomosa, **G. Martínez-Messner**, "Experimental demonstration of filtering and multiplexing of microwave signals using a multimode laser diode and chromatic fiber-dispersion parameter" Optical Engineering, Vol. 47, No. 2, 025002-1-025002-6, ISSN 1560-2 (February 2008).

62. G. Alvarado-Tenorio, **C. Reyes-Betanzo**, S. Sepúlveda-Guzmán, V. Agarwal, R. Cruz-Silva "Depósito de películas de polianilina en patrones mediante polimerización in situ confinada en capilares." Ingenierías 2008, Vol. XI, No. 39, pp. 8 – 14, ISSN: 1405-0676 (Abril – Junio 2008).

CIENCIAS COMPUTACIONALES

63. **Raúl Rodríguez-Colín**, **Claudia Feregrino-Uribe**, **José Alberto Martínez Villanueva** "Robust Watermarking Scheme Applied to Radiological Medical Images". IEICE Transactions on Information

and Systems ISSN: 0916-8532. Vol. E91-D, No. 3, Marzo 2008, pp. 862-864. Science Citation Index.

64. **Irene Olaya Ayaquica Martínez, José Fco. Martínez Trinidad** and **Jesús Ariel Carrasco Ochoa**. "Restricted Conceptual Clustering Algorithms based on Seeds". *Computación y Sistemas* Vol. 11 No2, 2007. (Appeared January 2008) pp. 174-187. ISSN, 1405-5546.
65. **Rita M. Aceves-Pérez, Manuel Montes-y-Gómez, Luis Villaseñor Pineda**, and L. Alfonso Ureña-López. "Two Approaches for Multilingual Question Answering: Merging Passage vs Merging Answers". *International Journal of Computational Linguistics and Chinese Language Processing*, Vol. 13, No. 1, March 2008, pp. 27-40.
66. **Saúl E. Pomares Hernández, Gustavo Rodríguez Gómez, Eduardo López Domínguez**. "MOCAVI: An Efficient Causal Protocol for Cellular Networks", *International Journal of Computer Science and Network Security*, VOL. 8, No. 1, January 2008, pp. 136-144.
67. **Erika Amaro-Camargo, Carlos A. Reyes-García**, Emilio Arch Tirado and Mario Mandujano "Statistical Vectors of Acoustic Features for the Automatic Classification of Infant Cry". *The International Journal of Information Acquisition*, Editor in chief; Dr. Tao-MEI, published by World Scientific Publishing, Year: 2007 Vol: 4, Issue: 4. Print ISSN 0219-8789. Page: 347 - 355.
68. Sunil Vadera, Andres Rodriguez, **Enrique Succar** and Jia Wu, "Using Wittgenstein's Family Resemblance Principle to Learn Exemplars" *Foundations of Science*, Springer. ISSN:1233-1821, pp 67-74, Vol 13, No 1, March 2008.