

---

---

## Artículos Publicados con Arbitraje

### ASTROFISICA

1. Ivison, R. J., Greve, T. R., Dunlop, J. S., Peacock, J. A., Egami, E., Smail, Ian, Ibar, E., van Kampen, E., **Aretxaga, I.**, Babbedge, T., Biggs, A. D., Blain, A. W., Chapman, S. C., Clements, D. L., Coppin, K., Farrah, D., Halpern, M., **Hughes, D. H.**, Jarvis, M. J., Jenness, T., Jones, J. R., Mortier, A. M. J., Oliver, S., Papovich, C., Pérez-González, P. G., Pope, A., Rawlings, S., Rieke, G. H., Rowan-Robinson, M., Savage, R. S., Scott, D., Seigar, M., Serjeant, S., Simpson, C., Stevens, J. A., Vaccari, M., Wagg, J., Willott, C. J., "The SCUBA Half Degree Extragalactic Survey (SHADES) - III. Identification of radio and mid-infrared counterparts to submillimetre galaxies", MNRAS 380, 199-228, (2007).
2. **Aretxaga, I.**, **Hughes, D. H.**, Coppin, K., Mortier, A., Wagg, J., Dunlop, J. S., Chapin, E. L., Eales, S. A., **Gaztañaga, E.**, Halpern, M., Ivison, Rob J., van Kampen, E., Scott, D., Serjeant, S., Smail, I., Babbedge, T., Benson, A., Chapman, S., Clements, David, L., Dunne, L., Dye, S., Farrah, D., Jarvis, M. J., Mann, R. G., Pope, A., Priddey, R., Rawlings, S., Seigar, M., Silva, L., Simpson, Ch., Vaccari, M., "The SCUBA Half Degree Extragalactic Survey (SHADES) - IV: Radio-mm-FIR photometric redshifts", MNRAS 379, 1571-1588, (2007).
3. Takagi, et al. (23 authors, includes **Aretxaga, I.**, "The SCUBA Half Degree Extragalactic Survey (SHADES) - V: Submillimetre properties of near-infrared selected galaxies in the Subaru/XMM-Newton deep field", MNRAS 381, 1154-1168 (2007).
4. Flores, A., Koenigsberger, G., **Cardona, O.**, "The Wolf-Rayet Stars HD 4004 and HD 50896: Two of a kind", AJ 113, 2859-2865 (2007).
5. Gadotti, D., Athanassoula, L., **Carrasco, L.**, Bosma, A., de Souza, R. E., **Recillas, E.**, "Near-Infrared Photometry of a Sample of Barred galaxies", MNRAS 381, 943 – 961 (2007).
6. González-Acosta, E., **Corona-Galindo M.G.**, "Obtaining time-dependent invariants by the Sarlet-Bajar method for a non-linear equation", RMF 53, 1-3 (2007).
7. Gelover-Acosta A.L., **Corona-Galindo M.G.**, "Continuous groups of transformations and time-dependent invariants", RMF-E 53, 112-114 (2007).
8. **Chávez, M.**, **Bertone, E.**, Buzzoni, A., Franchini, M., Malagnini, M.L., Morossi, C., **Rodríguez-Merino, L.**, "Synthetic Mid-UV Spectroscopic Indices of Stars", ApJ 657, 1046-1057 (2007).
9. Loverde M., Hui, L., **Gaztañaga, E.**, "Magnification-temperature correlation: The dark side of integrated Sachs-Wolfe measurements", PhRvD 75, 3519 (2007).
10. Younger J.D. et al. (24 other coauthors, includes: **Hughes, D.**, **Aretxaga, I.**), "Evidence for a Population of High-Redshift Submillimeter Galaxies from Interferometric Imaging", ApJ 671, 1531-1537 (2007).

---

---

### Artículos Publicados con Arbitraje

11. **Wagg, J.** (estudiante), **Hughes, D.H., Aretxaga, I.,** Chapin, E. L., Dunlop, J.S., **Gaztañaga, E.,** Devlin, M., "A broad-band spectroscopic search for CO line emission in HDF850.1: the brightest submillimetre object in the Hubble Deep Field-North", MNRAS 375, 745-752 (2007).
12. **Lekht, E. E.,** Pashchenko M.I., Tolmachev A.M, "An H<sub>2</sub>O Maser in the Infrared Source IRAS 20126+4104", AR 51, 531-541 (2007).
13. **Lekht, E. E.,** Slysh, V.I., Krasnow, V.V., "Variations in the Spectrum and Spatial Structure of the H<sub>2</sub>O Maser in W75N", AR 51, 967-984 (2007).
14. **Lekht, E.E.,** Pashchenko, M.I., Tolmachev A.M, "Maser H<sub>2</sub>O in IR-emission source of IRAS 20126+4104", AR 51, 531-541 (2007).
15. Ramírez Hernández O., **Lekht, E.E.,** Tolmachev A.M., "Evolution of selected components of the H<sub>2</sub>O maser in Sgr B2." AR 51, 19-26 (2007).
16. **Lekht E.E.,** Munitsyn V.A, Krasnov V.V. "Chain-type structure in the H<sub>2</sub>O maser NGC7538N", AR 51, 27-37 (2007).
17. Barkhouse, W., Yee, H.K.C., **López-Cruz, O.,** "The Luminosity Function of Low-Redshift Abell Galaxy Clusters", ApJ.671, 1471-1496 (2007).
18. Barway, S., Kembhavi, A., Wadadekar, Y., Ravikumar, C. D., **Mayya, Y. D.,** "Lenticular Galaxy Formation: Possible Luminosity Dependence", ApJ 661, 37-40 (2007).
19. **Palma, A.,** Sandoval, L., Churyumov, K., **Chavushyan, V.,** Berezhnnoy, A., "Franck-Condon Factors for Molecules Observed in Comets", IJQCh 107, 2650-2653 (2007).
20. **Palma, A.,** Pedraza, I. "On the Time dependent solutions of the Schrödinger Equations", TTCPS, 147-150 (2007). Se cita en el artículo como invitado del INAOE.
21. **Espino-Briones N.** (estudiante), **Plionis, M.,** Ragone-Figueroa, C., "Environmental Effects of Dark-Matter Haloes", ApJ Letters 666, L5-L8 (2007).
22. Basilakos, S., **Plionis, M.,** Kovac, K., Voglis, "Large Scale Structure in the HI Parkes Survey: Filling the Voids with HI galaxies?", MNRAS 378, 301-308 (2007).
23. Ragone, C., **Plionis, M.,** "Environmental Influence on the Morphology & Dynamics of Group Size Halos", MNRAS 377, 1785-1794 (2007).
24. **Porras, A.,** Jørgensen, J.K., Allen, L.E., Evans, N.J. II, Bourke, T.L., Alcalá, J.M., Dunham, M.M., Blake, G.A., Chapman, N., Cieza, L., Harvey, P.M., Huard, T.L., Koerner, D.W., Mundy, L.G., Myers, P.C., Padgett, D.L., Sargent, A.I., Stapelfeldt, K.R., Teuben, P., van Dishoeck, E.F., Wahhaj, Z., Young, K.E., "The Spitzer c2d survey of Large, Nearby, Interstellar Clouds. V. Chamaeleon II Observed with IRAC", ApJ 656, 493-504 (2007).

---

---

### Artículos Publicados con Arbitraje

25. Brooke, T.Y., Huard, T.L., Bourke, T.L., Boogert, A.C., Adwin, Allen, L.E., Blake, G.A., Evans, N.J., Harvey, P.M., Koerner, D.W., Mundy, L.G., Myers, P.C., Padgett, D.L., Sargent, A.I., Stapelfeldt, K.R., van Dishoeck, E.F., Chapman, N., Cieza, L., Dunham, M.M., Lai, S-P, **Porras, A.**, Spiesman, W., Teuben, P.J., Young, Ch. H., Wahhaj, Z., Lee, Ch., “The Spitzer c2d Survey of Nearby Dense Cores, IV: Revealing the Embedded Cluster in B59”, *ApJ* 655, 364-374 (2007).
26. Alcalá, J.M., Spezzi, L., Frasca, A., Covino, E., **Porras, A.**, Merín, B., Persi, P., “The first brown dwarf with a disk in Chamaeleon II”, *A&A*, 453, L1-L4, Julio, 2006
27. Elmegreen, B. G., Elmegreen, D.M., Knapen, J.H., Buta, R.J., Block, D.L., **Puerari, I.**, “Variation of Galactic Bar Length with Amplitude and Density as Evidence for Bar Growth over a Hubble Time”, *ApJ* L 670, 97-100 (2007).
28. Block, D. L., Combes, F., **Puerari, I.**, Freeman, K.C., Stockton, A., Canalizo, G., Jarrett, T.H., Groess, R., Worthey, G., Gehrz, R.D., Woodward, C.E., Polomski, E.F., Fazio, G.G., “Keck spectroscopy and Spitzer Space Telescope analysis of the outer disk of the Triangulum Spiral Galaxy M33”, *A&A* 471, 467-474 (2007).
29. Bianchi, L. **Rodríguez-Merino, L.**, Viton, M., Laget, M., Efremova, B., Herald, J., Conti, A., Shiao, B., de Paz, Gil, Salim, A., Thakar, S., Friedman, A., Soo-Chang, R., Thilker, D., Barlow, T. A., Budavari, T. Donas, J., Forster, K., Heckman, T., MW. Y L., Madore, B. F., Martin, D. C., Milliard, B, Morrissey, P. , Neff, S. G., Rich, R. M., Schiminovich, D. , Seibert, M., Small, T., Szalay, A. S. K T., Wyder, B. Y., Welsh, LL ,Yi, S. K., “Statistical Properties of the GALEX-SDSS Matched Source Catalogs, and Classification of the UV Sources”, *ApJ* SS 173, 659-672 (2007).
30. García-Rojas, J., Esteban, C., Peimbert, A., **Rodríguez, M.**, Peimbert, M., Ruíz, M., “The chemical composition of the Galactic regions M8 and M17. A revision based on deep VLT echelle spectrophotometry”, *RMAA* 43, 3-31 (2007).
31. López-Sánchez, A. R., Esteban, C., García-Rojas, J., Peimbert, M., **Rodríguez, M.**, “The Localized Chemical Pollution in NGC 5253 Revisited: Results from Deep Echelle Spectrophotometry”, *ApJ* 656, 168-185 (2007).
32. **Rosa González, D.**, Burgarella, D., Nandra, K., Kunth, D., **Terlevich, E.**, **Terlevich, R.**, “Multiwavelength Study of X-ray Selected Star Forming Galaxies within the Chandra Deep Field South”, *MNRAS*, 379-357 (2007).
33. **Rosa González, D.**, Schmitt, H., **Terlevich, E.**, **Terlevich, R.**, “Thermal Emission from HII Galaxies: Discovering the Youngest Systems”, *ApJ* 654, 226-239 (2007).
34. Jiménez-Bailón, E., Guainazzi, M., Loiseau, N., Matt, G., Piconcelli, E., **Rosa González D.**, Santos-Lleó, M., “XMM-Newton View of Pairs of Active Galaxies: Activation of Quiescent black holes?”, *A&A* 469, 881 (2007).
35. López-Sánchez, A. R., Esteban, C., Garcia-Rojas, J. Peimbert, M., **Rodríguez M.**, “The localized chemical pollution in NGC 5253 revisited: Results from deep echelle spectrophotometry”, *ApJ* 656, 168-185 (2007).

---

---

### Artículos Publicados con Arbitraje

36. **Silant'ev, N. A.**, Alexeeva, G. A., "Radiative transfer in a semi-infinite plane parallel atmosphere with inhomogeneous sources function", *Ap & SS* 312, 239 (2007).
37. **Silant'ev, N.**, "Polarization of Radiation in Turbulent Magnetized Atmospheres", *AR* 51, 67-80 (2007).
38. **Silich, S., Tenorio-Tagle G.**, Muñoz-Tuñón, C., "The pressure confined wind of the massive and compact superstellar cluster M82-A1", *ApJ*. 669, 952-958 (2007).
39. Wunsch R., **Silich S.**, Palous, J., **Tenorio-Tagle, G.**, "Super stellar clusters with a bimodal hydrodynamic solution: an Approximate Analytic Approach", *A&A* 471, 579-583 (2007).
40. Stasinska G., **Tenorio-Tagle G.**, **Rodriguez M.**, Henney W., "Enrichment of the ISM by metal-rich droplets and the abundance bias in HII regions", *A&A* 471, 193-204 (2007).
41. **Tenorio-Tagle, G.**, Wunsch, R., **Silich, S.**, Palous, J., "Hydrodynamics of the matter reinserted within superstellar clusters", *ApJ* 658, 1196-1202 (2007).
42. **Tenorio-Tagle, Silich, S., G.**, Muñoz-Tuñón, C., "Superstellar clusters and supergalactic winds", *New AR* 51, 125-130 (2007).
43. Martínez Delgado I., **Tenorio-Tagle G.**, Muñoz Tuñón C., Moiseev A., Cairo L. M., "Three dimensional spectroscopy of blue compact galaxies: Diagnostic diagrams." *AJ* 133, 2892-2892 (2007).
44. Díaz, A., **Terlevich, E.**, Castellanos, M., Hagele, G., "The metal abundance of circumnuclear star forming regions in early type spirals. Spectrophotometric observations", *MNRAS* 379, 357-369 (2007).
45. Hägele, G. F., Díaz, A. I., Cardaci, M. V., **Terlevich, E., Terlevich, R.**, "Kinematics of gas and stars in the circumnuclear starforming ring of NGC3351", *MNRAS*, 163-178 (2007).
46. **Tovmassian, H.M.**, Tiersch, H., Tovmassian, G.H, **Chavushyan, V.H.**, Neizvestny, S.I., Pramskij, A.G., Torres-Papaqui, J.P., Rozas M., "Photometric and spectroscopic study of Shakhbazian compact galaxy groups SHCG104, SHCG120, SHCG223, AND SHCG245", *RMxAA* 43, 45-57 (2007).
47. Panuzzo, P., **Vega, O.**, Bressan, A., Buson, L.; Clemens, M., Rampazzo, R., Silva, L., **Valdes, J. R.**, Granato, G. L., Danese, L., "The Star Formation History of the Virgo early-type galaxy NGC4435: the Spitzer Mid Infrared view", *ApJ* 656, 206-216 (2007).
48. **Wall, W. F.**, "Comparison of  $^{13}\text{CO}$  and Far-IR Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: I. Motivation and Modeling", *MNRAS* 375, 278-300 (2007).

---

---

### Artículos Publicados con Arbitraje

49. **Wall, W.**, "Comparison of  $^{13}\text{CO}$  and Far-IR Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: II. The simulations: testing the method", *MNRAS* 545-555 (2007).
50. **Wall, W.**, "Comparison of  $^{13}\text{CO}$  and Far-IR Continuum Emission as a Diagnostic of Dust and Molecular Gas Physical Conditions: III. Systematics and Scientific Implications", *MNRAS* 377, 556-570 (2007).
51. **Wall, W. F.**, "Rethinking the  $\text{N}(\text{H}_2)/\text{I}(\text{CO})$  Conversion Factor", *MNRAS* 379, 674-688 (2007).
52. J. Vargas-Ubera, **J. F. Aguilar-Valdez**, D. M. Gale. "Reconstruction of particle-size distribution from light-scattering patterns using three inversion methods". *Appl. Opt.*, **46**, 1, (2007), 124-132.
53. J. Vargas-Ubera, J. J. Sánchez-Escobar, **J. F. Aguilar-Valdez**, D. M. Gale. "Numerical study of particle-size distributions retrieved from angular Light-scattering data using an evolution strategy with the Fraunhofer approximation". *Appl. Opt.*, **46**, 17, (2007), 3602-3610.
54. **V. Arrizón-Peña**, U. Ruiz-Corona, R. Carrada-Legaria, L. A. González-González. "Pixelated phase computer holograms for the accurate encoding of scalar complex fields". *J. Opt. Soc. Am. A*, **24**, (2007), 3500-3507.
55. **V. Arrizón-Peña**, S. Chávez-Cerda, U. Ruíz-Corona, R. Carrada-Legaria. "Periodic and quasi-periodic non-diffracting wave fields generated by superposition of multiple Bessel beams". *Opt. Express*, **15**, 25, (2007), 16748-16753.
56. C. P. Mc Elhinney, J. B. McDonald, **A. Castro-Ibarra**, Y. Frauel, B. Javidi, T. J. Naughton. "Depth-independent segmentation of 3-D objects encoded in single perspective of digital holograms". *Opt. Lett.* **32**, (2007), 1229-1231.
57. J. Maycock, B. M. Hennelly, J. B. McDonald, Y. Frauel, **A. Castro-Ibarra**, B. Javidi, T. Naughton. "Reduction of speckle in digital holography by discrete". *J. Opt. Soc. Am. A* **24**, (2007), 1617-1622.
58. **A. Castro-Ibarra**. Y. Frauel, B. Javidi. "Integral imaging with large depth of field using an asymmetric phase mask". *Opt. Express*, **15**, (2007), 10266-10273.
59. Y. Frauel, **A. Castro-Ibarra**, T. J. Naughton, B. Javidi. "Resistance of the double random phase encryption against various attacks". *Opt. Express*, **15**, (2007), 10253-10265.
60. **S. Chávez-Cerda**, J. R. Moya-Cessa, H. M. Moya-Cessa. "Quantumlikes systems in classical optics: Application of quantum optical methods". *J. Opt. Soc. Am. B*, **24**, 2, (2007) 404-407.
61. **S. Chávez-Cerda**, H. Moya-Cessa, J. R. Moya-Cessa. "Quantum-like entanglement in classical optics". *Optics And Photonics News*, **18**, 12, (2007), 38.

---

---

### Artículos Publicados con Arbitraje

62. S. V. Shchesnovich, **S. Chávez-Cerda**. "Bragg-resonance-induced Rabi oscillations in photonic lattices". *Optics Letters*, **32**, 13, (2007), 1920-1922.
63. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "High-quality amplitude jitter reduction and extinction enhancement using a power-symmetric NOLM and a polarizer". *Optics Express*, **15**, 5, (2007) 2564-2572.
64. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin. "Demonstration of sharp switching from a power-symmetric NOLM and a polarizer". *Optics Communications* **271**, (2007), 543-550.
65. E. Reynoso-Lara, Z. Navarrete-Meza, **M. D. Iturbe-Castillo**, C. G. Treviño-Palacios, E. Martí-Panameño, M. L. Arroyo-Carrasco. "Influence of the photoinduced focal length of a thin nonlinear material in the z-scan technique". *Optics Express*. **15**, (2007), 2517-2529.
66. E. Reynoso-Lara, **M. D. Iturbe-Castillo**, E. Martí-Panameño. "Nonlinear optical behavior of developed and bleached photographic film characterized by z-scan technique". *Internet Electrón. J. Nanoc. Moletrón*, **5**, (2007), 903-912.
67. M. Anguiano-Morales, A. Martínez, **M. D. Iturbe-Castillo**, S. Chávez-Cerda, N. Alcalá-Ochoa. "Self-healing property of a caustic optical beam". *Applied Optics*, **46**, 34, (2007), 8284-8290.
68. M. Anguiano-Morales, M. M. Méndez-Otero, **M. D. Iturbe-Castillo**, S. Chávez-Cerda. "Conical dynamics of Bessel beams". *Optical Engineering*, **46**, 7, (2007), 078001.
69. O. Pottiez, **E. A. Kuzin**, B. Ibarra-Escamilla. "Retrieving optical pulse profiles using a NOLM". *IEEE Photon. Technol. Lett.*, **19**, 18, (2007), 1347-1349.
70. M. Bello-Jiménez, **E. A. Kuzin**, B. Ibarra-Escamilla, A. Flores. "Optimization of the two-stage single pump Er-doped fiber amplifier with high amplification for low frequency nanoscale pulses". *Optical Eng.*, **46**, 12, (2007), 125007-1-125007-6.
71. **N. Korneev-Zabello**, F. Marroquin-Gutiérrez. "Long-distance propagation of periodic patterns in weakly nonlinear Kerr medium". *JOSA B*, **24**, (2007), 84-89.
72. **G. Martínez-Niconoff**, J. C. Ramírez San-Juan, J. Muñoz-López, P. Martínez-Vara. "Incoherent convergent of diffraction free fields". *Optics Communications*, **275**, (2007), 10-13.
73. M. C. Gather, **S. Mansurova**, K. Meerholz. "Determining the photoelectric parameters of an organic photoconductor by the photoelectromotive-force technique". *Phys. Rev. B* **75**, (2007), 165203-165212.
74. **D. A. May-Arriola**, P. LiKamWa, J. J. Sánchez-Mondragón, R. J. Selvas-Aguilar, I. Torres-Gómez. "A Reconfigurable MMI splitter for sensing applications". *Measurement Science and Technology*, **18**, (2007), 3241-3246.

---

---

### Artículos Publicados con Arbitraje

75. **D. A. May-Arrijo**, P. LiKamWa, C. Velázquez-Ordoñez, J. J. Sánchez-Mondragón. "Tunable multimode interference coupler". *Electronic Letters*, **43**, 13, (32007), 714-716.
76. **M. Abdel-Aty, H. M. Moya-Cessa**. "Sudden death and long-lived entanglement of two trapped ions". *Phys. Lett. A*, **369**, (2007), 372-376.
77. **J. Larson, H. M. Moya-Cessa**. "Self-rotating wave approximation via symmetric ordering of ladder operators". *J. Mod. Optics*, **N54**, (2007), 1497-1510.
78. **H. Moya-Cessa**. "Entropy operator and associated wigner function". *International Journal Of Quantum Information*, **5**, 1-2, (2007), 149-156.
79. S. Toxqui-López, **A. Olivares-Pérez**, I. Fuentes-Tapia, A. Quintero-Romo. "Duplication of holograms by using fingernail's polish". *Optical Materials*, **29**, (2007), 1604-1611.
80. J. C. Ibarra-Torres, M. Ortiz-Gutiérrez, M. Pérez-Cortés, **A. Olivares-Pérez**. "Changes of the diffraction efficiency due to emulsions thickness in holographic gratings". *Opt. Mat.* **30**, (2007), 255-259.
81. P. Castro-Garay, J. A. Reyes, **R. Ramos-García**. "Band structure controlled by chiral imprinting". *Applied Physics Letters* **91**, 11, (2007). 113519.
82. C. C. Wang, S. Trivedi, F. Jin, Z. Chen, J. Khurgin, **P. Rodríguez-Montero**, N. S. Prasad. "Human life signs detection using high sensitivity pulsed laser vibrometer". *IEEE Journal*. **7**, (2007) 1370–1376.
83. S. Stepanov, **P. Rodríguez-Montero**, S. Mansurova, M. L. Arroyo-Carrasco, S. Trivedi, C. C. Wang. "Wavelength dependance of the photo-electromotive force effect in CdTe:V crystal with bipolar photoconductivity". *Optical Materials*, **29**, (2007), 623–630.
84. **A. Shcherbakov**, A. Yu-Kosarsky, M. Sánchez-Sánchez, V. N. Zvegitshev. "Aplication of picosecond optical guiding-center solitons in single-mode fibers to precise synchronization of a radio-interferometer". *Optik*, **118**, (2007), 221-231.
85. R. Cantú, **E. Tepichín-Rodríguez**, M. A: Rosales-Medina, E. López-Olazagasti, J. Bonilla. "PASA en presbitas y no presbitas". *Franja Ocular*, **47**, 2007, 1-2.
86. A. Saucedo-Carvajal, J. Ibarra-Galitzia, G. Ramírez-Zavaleta, **E. Tepichín-Rodríguez**. "Dynamic noise elimination on 2-D periodic structures using an Lcd as an incoherent reconfigurable spatial source". *Optical Engineering*, **46**, 5, (2007), 058001-1-058001-7.
87. A. Padilla-Vivanco, **G. Urcid-Serrano**, F. Granados-Agustín., A. Cornejo-Rodríguez. "Comparative analysis of pattern reconstruction using orthogonal moments". *Journal of Optical Engineering*, **46**, 1, (2007), 017002-1-15.

---

---

### Artículos Publicados con Arbitraje

88. R. Grajales-Coutiño, **B. Ibarra-Escamilla**, E. A. Kuzin, J. Gutiérrez-Gutiérrez, O. Pottiez, P. Zaca-Morán. "Láser de fibra de amarre de modos de figura ocho basado en un espejo de lazo óptico no lineal simétrico". *Rev. Mex. Fís.*, **53**, (5), 2007, 380-385.
89. E. Reynoso Lara, Z. Navarrete meza, **M. D. Iturbe Castillo**, **C. G. Treviño-Palacios**, E. Martí Panameño and M. L. Arroyo Carrasco. Influence of the photoinduced focal length of a thin nonlinear material in the z-scan technique. *Opt. Exp.* **15** (2007) 2517-2529.
90. E. Reynoso Lara, **M. D. Iturbe Castillo** and E. Martí Panameño. Nonlinear optical behavior of developed and bleached photographyc film characterized by z-scan technique. *Internet Electrón. J. Nanoc. Molectrón.* **5** (2007) 903-912.
91. M. Anguiano Morales, M. M. Méndez Otero, **M. D. Iturbe Castillo** and **S. Chávez Cerda**. Conical dynamics of Bessel beams. *Opt. Eng.* **46** (2007) 0708001.
92. M. Anguiano Morales, Amalia Martinez, **M. D. Iturbe Castillo**, **S. Chavez Cerda** and N. Alcala Ochoa. Self-healing property of a caustic optical beam. *Appl. Opt.* **46** (2007) 8284-8290.
93. **A. Jaramillo-Núñez**, M. Lucero-Alvarez. "Construcción de un inclinómetro óptico". *Rev. Mex. Fís.*, **53**, 4, (2007), 281-288.
94. M. Bello-Jiménez, **E. A. Kuzin**, B. Ibarra-Escamilla, R. Téllez-García. "Caracterización de un amplificador de fibra dopada con erbio a partir de sus parámetros experimentales". *Rev. Mex. Fís.*, **53**, 4, 2007, 289-295.
95. **H. M. Moya-Cessa**, M. Fández-Guasti. "Time dependent harmonic oscillator subject to a sudden change of mass: Continuous solution". *Rev. Mex. Fís.*, **53**, 1, (2007) 42-46.
96. K. Volke-Sepúlveda, I. Ricárdez-Vargas, **R. Ramos-García**. "Pinzas ópticas: Las delicadas manos de la luz". *Ciencia*, **58**, (2007), 18-25.
97. **A. 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.*, **53**, 2, (2007), 96-104.
98. 42. A. L. Muñoz-Zurita, J. Campos-Acosta, A. Pons-Agilo, **A. Shcherbakov**. "Measuring the reflectance of InGaAs/InP-photodiodes". *Optica Pura y Aplicada*, **40**, 1, (2007), 105-109.
99. 43. E. Custodio-García, M. Acosta-Alejandro, L. I. Acosta-Pérez, **C. G. Treviño-Palacios**, D. Mendoza-Anaya. "Microstructural characterization of fired clay bricks in the chontalpa region, Tabasco, México". *Materials and Manufacturing Processes*, **22**, 3, (2007), 298-300.



---

---

### Artículos Publicados con Arbitraje

100. A. Morales, J. Barreto, C. C. Domínguez, M. Riera, **M. Aceves**, J. Carrillo. "Comparative Study Between silicon rich-oxide obtained by LPCVD and PECVD" *Phisica E* 38, pp 54-58 (2007).
101. J. A. Luna-López, **M. Aceves-Mijares**, O. Malik, Z. Yu. "Compositional and Structural Characterization of Silicon Nanoparticles Embedded in Silicon Rich Oxide" *Revista Mexicana de física S*, 53 (7) 294-299 (2007).
102. A. Morales, C. Domínguez, J. Barreto, M. Rivera **M. Aceves**, J. A. Luna, Z. Yu, R. Kiebach. "Spectroscopical Analysis of Luminescence Silicon Rich Oxide Films" *Revista Mexicana de física S* 53 (7) 279-282 (2007).
103. A. Morales-Sánchez, J. Barreto, C. Domínguez-Horna, **M. Aceves-Mijares**, J.A. Luna-López. Sens. "Optical characterization of silicon rich oxide films" *Actuators A: Phys.* (2007), doi:10.1016/j.sna.2007.03.008
104. Antonio Zenteno, Guillermo Espinosa, **Víctor H. Champac**, "Design-for-Test Techniques for Opens in Undetected Branches in CMOS Latches and Flip-Flops", *IEEE Transactions on very Large Scale Integration (VLSI) Systems*, Vol. 15, No. 5, pp 572-577, May 2007.
105. Peña-Pérez, A.; Tlelo-Cuautle, E.; **Díaz-Méndez**, A.; Sánchez-López, C., "Design of a CMOS Compatible CFOA and its Application in Analog Filtering", *Revista IEEE Latinoamerica*, Vol. 5, Issue 2, May 2007. ISSN: 1548-0992, *Revista Electrónica*.
106. C. Muñoz- Montero, **A. Díaz Sánchez**, R. González-Carvajal and J.M. Rocha-Pérez, "New Strategies to Improve Offset and the Speed-Accuracy-Power Tradeoff in CMOS Amplifiers," *Analog Integrated Circuits and Signal Processing: An International Journal*, Volume 53, Numbers 2-3, December 2007, pp. 81-95.
107. **P.Halevi**, Adán S.Sánchez, and E. Galindo-Linares "Tuning and switching of the spontaneous emission in one-dimensional photonic crystals *Optics Communications*", 269, 351-355 (2007).
108. E.Galindo-Linares, **P.Halevi**, and Adán S.Sánchez "Tuning of one-dimensional Si/SiO<sub>2</sub> photonic crystals at the wavelength of 1.54 um *Solid State Communications*" 142,67-70(2007)
109. U.Alfredo-Badillo and **P.Halevi** "Negative refraction and focusing in magnetically coupled L-C loaded transmission lines" *Journal of Applied Physics* 102(communcations), 086104(2007) – 1-3pp.
110. M.Moreno, **A.Kosarev**, A.Torres, R.Ambrosio. "Fabrication and performance comparison of planar and sándwich structures of micro-bolometers with Ge thermo--sensing layer". *Thin Solid Films*, 2007, v.515, p.7607-7610
111. L.Sanchez, **A.Kosarev**, A.Torres, A.Ilinskii, Y.Kudriavtsev, R.Asomoza, P.Roca I Cabarrocas, A.Abramov. "Study of Ge<sub>y</sub>Si<sub>1-y</sub>:H films deposited by low frequency plasma", *Thin Solid Films*, 2007, v. 515, p.7603-7606.

---

---

### Artículos Publicados con Arbitraje

112. M. Moreno, **A. Kosarev**, A. Torres, R. Ambrosio. "Study of a Fabrication Process and Characterization of One-Dimensional Array of Un-cooled Microbolometers Based on Germanium Films Deposited by Plasma", Mater. Research Symposium Proceedings, 2007 v.989, p.p. 0989-A19-01 – 06.
113. M. Moreno, **A. Kosarev**, **A. Torres**, "Fabrication and characterization of un-cooled micro-bolometers based on germanium films obtained low frequency plasma deposition", Revista Mexicana de Física, Vol. 53, No. 7, pp 327-330, 2007.
114. D. Pacheco Bautista, F. R. Castillo Soria, **M. Linares Aranda**, and M. Salim Maza. "A fully integral, differential, high-speed, low-power consumption CMOS recovery clock circuit", Revista Ingeniería e Investigación. Vol. 27, No. 3, pp. 70-76, Diciembre 2007. Bogotá, Colombia.
115. **O. Malik**, A.I. Martinez, F.J. De la Hidalga-W., The physical reason of intense electroluminescence in ITO-Si heterostructures, *Thin Solid Films*, Vol. 515, pp. 8515-8618, 2007.
116. Carlos A. de la Cruz-Blas, Antonio López-Martín, Alfonso Carlosena and **Arturo Sarmiento**, "Multiple operating points in a square-root domain first-order filter", *Internacional Journal of Circuit Theory and Aplicaciones*, Vol. 35, p.p. 71-91, marzo 2007.
117. M.T. Sanz, J.M. Garcia del Pozo, S. Celma and **A. Sarmiento** "Constant-bandwidth adaptive transimpedance amplifier" *Electronics Letters*, December 6, 2007. Vol 43, No. 5.
118. **Esteban Tlelo-Cuautle**, Jesús-Manuel Muñoz-Pacheco, "Numerical simulation of Chua's circuit oriented to circuit synthesis", *International Journal of Nonlinear Sciences and Numerical Simulation*, vol. 8, no. 2, pp. 249-256, ISSN: 1565-1339, 2007.
119. **E. Tlelo-Cuautle**, M. A. Duarte-Villaseñor, "Designing Chua's circuit from the behavioral to the transistor level of abstraction", *Applied Mathematics and Computation*, Vol. 184, Issue 2, pp. 715-720, ISSN: 0096-3003, January 2007. DOI:10.1016/j.amc.2006.05.171.
120. J. M. García-Ortega, **E. Tlelo-Cuautle**, C. Sánchez-López, "Design of current-mode Gm-C filters from the transformation of opamp-RC filters", *Journal of Applied Sciences*, vol. 7, no. 9, pp. 1321-1326, ISSN: 1812-5654, 2007.
121. **E. Tlelo-Cuautle**, M.A. Duarte-Villaseñor, J.M. García-Ortega, C. Sánchez-López, "Designing SRCOs by combining SPICE and Verilog-A", *International Journal of Electronics*, vol. 94, no. 4, pp. 373-379, ISSN: 0020-7217, April 2007. DOI: 10.1080/00207210701294940.
122. **E. Tlelo-Cuautle**, M.A. Duarte-Villaseñor, J.M. García-Ortega, "Modeling and simulation of a chaotic oscillator by MATLAB", *IEEE Latin America Transactions*,

---

---

### Artículos Publicados con Arbitraje

- vol. 5, no. 2, pp. 95-98, ISSN: 1548-0992, May 2007. Arbitrada Revista Electrónica.
123. **E. Tlelo-Cuautle**, J.M. Muñoz-Pacheco, J. Martínez-Carballido, “*Frequency-scaling simulation of Chua’s circuit by automatic determination and control of step-size*”, Applied Mathematics and Computation, vol. 194, Issue 2, pp. 486-491, ISSN: 0096-3003, December 2007.
124. **R. Trejo-Guerra, E. Tlelo-Cuautle**, J.M. Muñoz-Pacheco, C. Cruz-Hernández, C. Sánchez-López, “*High-Level Simulation of Chua’s Circuit to Verify Frequency Scaling Behavior*”, Research in Computing Science, Special Issue: Advances in Computer Science and Engineering, vol. 29, pp. 37-43, ISSN 1870-4069, November 2007.
125. **E. Tlelo-Cuautle**, M.A. Duarte-Villaseñor, C.A. Reyes-García, G. Reyes-Salgado, “*Automatic synthesis of electronic circuits using genetic algorithms*”, Computación y Sistemas, vol. 10, no. 3, pp. 217-229, ISSN 1405-5546, 2007.
126. J. Plaza-Castillo and **A. Torres Jacome**, “P+ shallow junctions with high energy and high concentration of B or BF<sub>2</sub> ion implants”, Revista Mexicana de Física, Vol. 53, No. 7, pp 232-235, 2007
127. Aldo Peña Pérez, **Esteban Tlelo Cuautle and Alejandro Díaz Méndez**, Diseño de un CFOA Compatible en Tecnología CMOS y su Aplicación en Circuitos Lineales y No Lineales, Científica, vol. 11, no. 003, pp 121-127, julio-sep 2007.
128. J. Diaz Carmona, **G. Jovanovic Dolecek**, J. Padilla Medina, “An Algorithm for Computing Design Parameters of IFIR Filtres with Low Complexity”, Revista Computación y Sistemas , vol.10, No. 2, October-December 2006, pp.99-106. ISSN 1405-5546.
129. **G. Jovanovic Dolecek**, and S.K. Mitra, “Computationally Efficient Multiplier-Free FIR Filter Design” Journal *Computacion Y Sistemas*. ISSN 1405-5546, vol.10 N03, 2007, pp.251-268.
130. M.Moreno, **A.Kosarev**, A Torres. “Fabrication and characterization of un-cooled micro-bolometers base don silicon germanium thin films obtained by low frequency plasma deposition”, Revista mexicana de Fisica, 2007, S53 (7), p.327-330
131. J. G. Velásquez-Aguilar, G. Toser, A. Zamudio-Lara and **M. Arias-Estrada**. “Visualization of a supersonic air micro jet by methods of dual-hologram interferometry,”,Journal of Experiments in Fluids. Springer. Publisher. May 2007. ISSN: 0723-4864 (Print) 1432-1114 (Online). Volume 42, Number 6, June, 2007. pp. 863-869.
132. Virgilio Zúñiga Grajeda, **Claudia Feregrino Uribe, René Cumplido Parra**. “Parallel Hardware/Software Architecture for the BWT and LZ77 Lossless Data Compression Algorithms”,Revista Computación y Sistemas, Vol. 10 No. 2, 2006. pp. 172-188. Impreso 2007, ISSN 1405-5546. CIC, IPN. Padrón CONACYT.

---

---

### Artículos Publicados con Arbitraje

133. Salvador Godoy Calderón, **José Francisco Martínez Trinidad**, Manuel Lazo Cortez, Juan Luis Díaz de León Santiago. "A Unified Methodology to Evaluate Supervised and Non-Supervised Classification Algorithms". *Revista Computación y Sistemas*, Vol. 9 No 4, 2006. pp 370-379. Octubre 2006, Impreso 2007.
134. Silvia B. González-Brambila and **Eduardo F. Morales**. "Automatic generation of explanations: AGE". *Engineering Applications of Artificial Intelligence* Volume 20, Issue 3. ISSN: 0952-1976. April 2007. pp 307-323.
135. Carlos E. Mariano-Romero, Víctor H. Alcocer-Yamanaka and **Eduardo F. Morales**. "Multi-objective optimization of water-using systems" ,*European Journal of Operational Research* Volume 181, ISSN: 0377-2217. September 2007. Issue 3. pp 1691-1707
136. Roshan Duraisamy, Zoran Salcic, Maurizio Adriano Strangio, and **Miguel Morales-Sandoval**. "Supporting Symmetric 128-bit AES in Networked Embedded Systems: An Elliptic Curve Key Establishment Protocol-on-Chip" *EURASIP Journal on Embedded Systems* Volume 2007 (2007), Article ID 65751, 9 pages [CSA Technology Research Database, INSPEC, Technology and Management (TEMA)].
137. Aarón Pancardo-Rodríguez, **Manuel Montes-y-Gómez**, **Luis Villaseñor-Pineda**, Paolo Rosso. "A mapping between Classifiers and Training Conditions for WSD". *Lecture Notes in Computer Science*, vol. 3406, Springer, pp. 246-249.
138. **Yazid León Fernández de Lara**, **Angélica Muñoz Meléndez**. "Investigación sobre los Requerimientos del Movimiento Colectivo Coordinado en un Sistema Multi-agente". *Inteligencia Artificial, Revista Iberoamericana de Inteligencia Artificial*. No. 34 (2007), pp 83-103. ISSN: 1137-3601. [Indexada en: The Collection of Computer Science Bibliographies, Digital Bibliography & Library Project (DBLP) Server, DOCIS Documents in Computing and Information Science, Latindex (Catálogo)]
139. S.F. Galán, G. Arroyo-Figueroa, F.J. Díaz, **L.E. Sucar**, "Comparison of two types of event Bayesian networks: a case study" ,*Applied Artificial Intelligence*, Volume 21 (3) March 2007, pp. 185 - 209.