



Artículos Arbitrados Publicados

Astrofísica

Artículos publicados en revistas internacionales con arbitraje

1. Smolčić, V., Capak, P., Ilbert, O., Blain, A. W., Salvato, M., **Aretxaga, I.**, Schinnerer, E., Masters, D., Morić, I., Riechers, D. A., Sheth, K., Aravena, M., Aussel, H., Aguirre, J., Berta, S., Carilli, C. L., Civano, F., Fazio, G., Huang, J., **Hughes, D.**, Kartaltepe, J., Koekemoer, A. M., Kneib, J.-P., LeFloc'h, E., Lutz, D., McCracken, H., Mobasher, B., Murphy, E., Pozzi, F., Riguccini, L., Sanders, D. B., Sargent, M., Scott, K. S., Scoville, N. Z., Taniguchi, Y., Thompson, D., Willott, C., Wilson, G., Yun, M., "The Redshift and Nature of AzTEC/COSMOS 1: A Starburst Galaxy at $z = 4.6$ ", ApJ 731, L27-, 4/2011
2. Williams, C. C., Giavalisco, M., Porciani, C., Yun, M. S., Pope, A., Scott, K. S., Austermann, J. E., **Aretxaga, I.**, Hatsukade, B., Lee, K.-S., Wilson, G. W., Cybulski, R., **Hughes, D. H.**, Kawabe, R., Kohno, K., Perera, T., Schloerb, F. P., "On the Clustering of Submillimeter Galaxies", ApJ 733, 92-, 6/2011.
3. Hatsukade, B., Kohno, K., **Aretxaga, I.**, Austermann, J. E., Ezawa, H., **Hughes, D. H.**, Ikarashi, S., Iono, D., Kawabe, R., Khan, S., Matsuo, H., Matsuura, S., Nakanishi, K., Oshima, T., Perera, T., Scott, K. S., Shirahata, M., Takeuchi, T. T., Tamura, Y., Tanaka, K., Tosaki, T., Wilson, G. W., Yun, M. S., "AzTEC/ASTE 1.1-mm survey of the AKARI Deep Field South: source catalogue and number counts", MNRAS 411, 102-116, 2/2011
4. Hopwood, R., Wardlow, J., Cooray, A., Khostovan, A. A., Kim, S., Negrello, M., da Cunha, E., Burgarella, D., **Aretxaga, I.**, Auld, R., Baes, M., Barton, E., Bertoldi, F., Bonfield, D. G., Blundell, R., Buttiglione, S., Cava, A., Clements, D. L., Cooke, J., Dannerbauer, H., Dariush, A., de Zotti, G., Dunlop, J., Dunne, L., Dye, S., Eales, S., Fritz, J., Frayer, D., Gurwell, M. A., **Hughes, D. H.**, Ibar, E., Ivison, R. J., Jarvis, M. J., Lagache, G., Leeuw, L., Maddox, S., Michałowski, M. J., Omont, A., Pascale, E., Pohlen, M., Rigby, E., Rodighiero, G., Scott, D., Serjeant, S., Smail, I., Smith, D. J. B., Temi, P., Thompson, M. A., Valtchanov, I., van der Werf, P., Verma, A., Vieira, J. D., "Spitzer Imaging of Herschel-atlas Gravitationally Lensed Submillimeter Sources", ApJ 728, L4-, 2/2011



Artículos Arbitrados Publicados

5. Frayer, D. T., Harris, A. I., Baker, A. J., Ivison, R. J., Smail, I., Negrello, M., Maddalena, R., **Aretxaga, I.**, Baes, M., Birkinshaw, M., Bonfield, D. G., Burgarella, D., Buttiglione, S., Cava, A., Clements, D. L., Cooray, A., Dannerbauer, H., Dariush, A., De Zotti, G., Dunlop, J. S., Dunne, L., Dye, S., Eales, S., Fritz, J., Gonzalez-Nuevo, J., Herranz, D., Hopwood, R., **Hughes, D. H.**, Ibar, E., Jarvis, M. J., Lagache, G., Leeuw, L. L., Lopez-Caniego, M., Maddox, S., Michałowski, M. J., Omont, A., Pohlen, M., Rigby, E., Rodighiero, G., Scott, D., Serjeant, S., Smith, D. J. B., Swinbank, A. M., Temi, P., Thompson, M. A., Valtchanov, I., van der Werf, P. P., Verma, A., "Green Bank Telescope Zpectrometer CO(1-0) Observations of the Strongly Lensed Submillimeter Galaxies from the Herschel ATLAS", ApJ 726, L22-, 1/2011
6. Tsukagoshi, T., Saito, M., Kitamura, Y., Momose, M., Shimajiri, Y., Hiramatsu, M., Ikeda, N., Kamegai, K., Wilson, G., Yun, M. S., Scott, K., Austermann, J., Perera, T., **Hughes, D.**, **Aretxaga, I.**, Maukopf, P., Ezawa, H., Kohno, K., Kawabe, R., "Detection of Strong Millimeter Emission from the Circumstellar Dust Disk around V1094 Sco: Cold and Massive Disk around a T Tauri Star in a Quiescent Accretion Phase?", ApJ 726, 45-, 1/2011
7. Annibali, F., Grützbauch, R., Rampazzo, R., **Bressan, A.**, Zeilinger, W. W., "Nature vs. nurture in the low-density environment: structure and evolution of early-type dwarf galaxies in poor groups", A&A 528, A19-, 4/2011
8. Panuzzo, P., Rampazzo, R., **Bressan, A.**, **Vega, O.**, Annibali, F., Buson, L. M., Clemens, M. S., Zeilinger, W. W., "Nearby early-type galaxies with ionized gas. VI. The Spitzer-IRS view. Basic data set analysis and empirical spectral classification", A&A 528, A10-, 4/2011
9. **Cardona, O.**, "Atomic line broadening by thermal energy fluctuations in stellar atmospheres and plasma diagnostics", Ap 54, 75-86, 3/2011.
10. Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., (444 coautores incluyendo **Carramiñana, A. #417**, **Carrasco, L. #418**), "Insights into the High-



Artículos Arbitrados Publicados

- energy γ -ray Emission of Markarian 501 from Extensive Multifrequency Observations in the Fermi Era", ApJ 727, 129-, 2/2011.
11. Abdo, A. A., Ackermann, M., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., (171 coautores incluyendo **Carramiñana, A.** # 154, **Carrasco, L.** #155) , "The First Fermi Multifrequency Campaign on BL Lacertae: Characterizing the Low-activity State of the Eponymous Blazar", ApJ 730, 101-, 4/2011 .
 12. Franchini, M., Morossi, C., Di Marcantonio, P., Malagnini, M. L., **Chávez, M.**, "The Lick/SDSS Library. II. [Ca/Fe] and [Mg/Fe] in F, G, and K Stars from SDSS-DR7", ApJ 730, 117-, 4/2011
 13. Maiorano, E., Landi, R., Stephen, J. B., Bassani, L., Masetti, N., Parisi, P., Palazzi, E., Parma, P., Bird, A. J., Bazzano, A., Ubertini, P., Jiménez-Bailón, E., **Chavushyan, V.**, Galaz, G., Minniti, D., Morelli, L., "Searching for active galactic nuclei among unidentified INTEGRAL sources", MNRAS 988-, 6/2011
 14. Popović, L. Č., Shapovalova, A. I., Ilić, D., Kovačević, A., Kollatschny, W., Burenkov, A. N., **Chavushyan, V. H.**, Bochkarev, N. G., León-Tavares, J., "Spectral optical monitoring of 3C 390.3 in 1995-2007. II. Variability of the spectral line parameters", A&A 528, A130-, 4/201
 15. Mezcuca, M., Lobanov, A. P., **Chavushyan, V. H.**, León-Tavares, J., "Black hole masses and starbursts in X-shaped radio sources", A&A 527, A38-, 3/2011
 16. León-Tavares, J., Valtaoja, E., **Chavushyan, V. H.**, Tornikoski, M., **Añorve, C. (est.)**, Nieppola, E., Lähteenmäki, A., "The connection between black hole mass and Doppler boosted emission in BL Lacertae type objects.", MNRAS 411, 1127-1136, 2/2011
 17. Omont, A., Neri, R., Cox, P., Lupu, R., Guélin, M., van der Werf, P., Weiß, A., Ivison, R., Negrello, M., Leeuw, L., Lehnert, M., Smail, I., Verma, A., Baker, A. J., Beelen, A., Aguirre, J. E., Baes, M., Bertoldi, F., Clements, D. L., Cooray, A.,

Artículos Arbitrados Publicados

- Coppin, K., Dannerbauer, H., de Zotti, G., Dye, S., Fiolet, N., Frayer, D., Gavazzi, R., **Hughes, D.**, Jarvis, M., Krips, M., Michałowski, M. J., Murphy, E. J., Riechers, D., Serjeant, S., Swinbank, A. M., Temi, P., Vaccari, M., Vieira, J. D., Auld, R., Buttiglione, B., Cava, A., Dariush, A., Dunne, L., Eales, S. A., Fritz, J., Gomez, H., Ibar, E., Maddox, S., Pascale, E., Pohlen, M., Rigby, E., Smith, D. J. B., Bock, J., Bradford, C. M., Glenn, J., Scott, K. S., Zmuidzinas, J., "Observation of H₂O in a strongly lensed Herschel-ATLAS source at $z = 2.3$ ", *A&A* 530, L3-, 6/2011
18. Sehgal, N., Trac, H., Acquaviva, V., Ade, P. A. R., Aguirre, P., Amiri, M., Appel, J. W., Barrientos, L. F., Battistelli, E. S., Bond, J. R., Brown, B., Burger, B., Chervenak, J., Das, S., Devlin, M. J., Dicker, S. R., Bertrand Doriese, W., Dunkley, J., Dünner, R., Essinger-Hileman, T., Fisher, R. P., Fowler, J. W., Hajian, A., Halpern, M., Hasselfield, M., Hernández-Monteagudo, C., Hilton, G. C., Hilton, M., Hincks, A. D., Hlozek, R., Holtz, D., Huffenberger, K. M., **Hughes, D. H.**, Hughes, J. P., Infante, L., Irwin, K. D., Jones, A., Baptiste Juin, J., Klein, J., Kosowsky, A., Lau, J. M., Limon, M., Lin, Y.-T., Lupton, R. H., Marriage, T. A., Marsden, D., Martocci, K., Mauskopf, P., Menanteau, F., Moodley, K., Moseley, H., Netterfield, C. B., Niemack, M. D., Nolta, M. R., Page, L. A., Parker, L., Partridge, B., Reid, B., Sherwin, B. D., Sievers, J., Spergel, D. N., Staggs, S. T., Swetz, D. S., Switzer, E. R., Thornton, R., Tucker, C., Warne, R., Wollack, E., Zhao, Y., "The Atacama Cosmology Telescope: Cosmology from Galaxy Clusters Detected via the Sunyaev-Zel'dovich Effect", *ApJ* 732, 44-, 5/2011
19. Koo, B.-C., McKee, C. F., Suh, K.-W., Moon, D.-S., Onaka, T., Burton, M. G., Hiramatsu, M., Bessell, M. S., Gaensler, B. M., Kim, H.-J., Lee, J.-J., Jeong, W.-S., Lee, H.-G., Im, M., Tatematsu, K., Kohno, K., Kawabe, R., Ezawa, H., Wilson, G., Yun, M. S., **Hughes, D. H.**, "IRAS 15099-5856: Remarkable Mid-infrared Source with Prominent Crystalline Silicate Emission Embedded in the Supernova Remnant MSH15-52", *ApJ* 732, 6-, 5/2011
20. Braglia, F. G., Ade, P. A. R., Bock, J. J., Chapin, E. L., Devlin, M. J., Edge, A., Griffin, M., Gundersen, J. O., Halpern, M., Hargrave, P. C., **Hughes, D. H.**, Klein, J., Marsden, G., Mauskopf, P., Moncelsi, L., Netterfield, C. B., Ngo, H., Olmi, L., Pascale, E., Patanchon, G., Pimblet, K. A., Rex, M., Scott, D., Semisch, C., Thomas, N., Truch, M. D. P., Tucker, C., Tucker, G. S., Valiante, E., Viero, M. P., Wiebe, D. V., "Submillimetre observations of galaxy clusters

Artículos Arbitrados Publicados

with the BLAST: the star formation activity in Abell 3112", MNRAS 412, 1187-1202, 4/2011

21. Marriage, T. A., Baptiste Juin, J., Lin, Y.-T., Marsden, D., Nolta, M. R., Partridge, B., Ade, P. A. R., Aguirre, P., Amiri, M., Appel, J. W., Barrientos, L. F., Battistelli, E. S., Bond, J. R., Brown, B., Burger, B., Chervenak, J., Das, S., Devlin, M. J., Dicker, S. R., Bertrand Doriese, W., Dunkley, J., Dünner, R., Essinger-Hileman, T., Fisher, R. P., Fowler, J. W., Hajian, A., Halpern, M., Hasselfield, M., Hernández-Monteagudo, C., Hilton, G. C., Hilton, M., Hincks, A. D., Hlozek, R., Huffenberger, K. M., **Hughes, D. H.**, Hughes, J. P., Infante, L., Irwin, K. D., Kaul, M., Klein, J., Kosowsky, A., Lau, J. M., Limon, M., Lupton, R. H., Martocci, K., Maukopf, P., Menanteau, F., Moodley, K., Moseley, H., Netterfield, C. B., Niemack, M. D., Page, L. A., Parker, L., Quintana, H., Reid, B., Sehgal, N., Sherwin, B. D., Sievers, J., Spergel, D. N., Staggs, S. T., Swetz, D. S., Switzer, E. R., Thornton, R., Trac, H., Tucker, C., Warne, R., Wilson, G., Wollack, E., Zhao, Y., "The Atacama Cosmology Telescope: Extragalactic Sources at 148 GHz in the 2008 Survey", ApJ 731, 100-, 4/2011

22. Roy, A., Ade, P. A. R., Bock, J. J., Brunt, C. M., Chapin, E. L., Devlin, M. J., Dicker, S. R., France, K., Gibb, A. G., Griffin, M., Gundersen, J. O., Halpern, M., Hargrave, P. C., **Hughes, D. H.**, Klein, J., Marsden, G., Martin, P. G., Maukopf, P., Netterfield, C. B., Olmi, L., Patanchon, G., Rex, M., Scott, D., Semisch, C., Truch, M. D. P., Tucker, C., Tucker, G. S., Viero, M. P., Wiebe, D. V., "Deconvolution of Images from BLAST 2005: Insight into the K3-50 and IC 5146 Star-forming Regions", ApJ 730, 142-, 4/2011

23. Das, S., Marriage, T. A., Ade, P. A. R., Aguirre, P., Amiri, M., Appel, J. W., Barrientos, L. F., Battistelli, E. S., Bond, J. R., Brown, B., Burger, B., Chervenak, J., Devlin, M. J., Dicker, S. R., Bertrand Doriese, W., Dunkley, J., Dünner, R., Essinger-Hileman, T., Fisher, R. P., Fowler, J. W., Hajian, A., Halpern, M., Hasselfield, M., Hernández-Monteagudo, C., Hilton, G. C., Hilton, M., Hincks, A. D., Hlozek, R., Huffenberger, K. M., **Hughes, D. H.**, Hughes, J. P., Infante, L., Irwin, K. D., Baptiste Juin, J., Kaul, M., Klein, J., Kosowsky, A., Lau, J. M., Limon, M., Lin, Y.-T., Lupton, R. H., Marsden, D., Martocci, K., Maukopf, P., Menanteau, F., Moodley, K., Moseley, H., Netterfield, C. B., Niemack, M. D., Nolta, M. R., Page, L. A., Parker, L., Partridge, B., Reid, B., Sehgal, N., Sherwin, B. D., Sievers, J., Spergel, D. N., Staggs, S. T., Swetz, D. S., Switzer, E. R., Thornton, R., Trac, H., Tucker, C., Warne, R., Wollack, E.,



Artículos Arbitrados Publicados

- Zhao, Y., "The Atacama Cosmology Telescope: A Measurement of the Cosmic Microwave Background Power Spectrum at 148 and 218 GHz from the 2008 Southern Survey", *ApJ* 729, 62-, 3/2011
24. Chapin, E. L., Chapman, S. C., Coppin, K. E., Devlin, M. J., Dunlop, J. S., Greve, T. R., Halpern, M., Hasselfield, M. F., **Hughes, D. H.**, Ivison, R. J., Marsden, G., Moncelsi, L., Netterfield, C. B., Pascale, E., Scott, D., Smail, I., Viero, M., Walter, F., Weiss, A., van der Werf, P., "A joint analysis of BLAST 250-500 μm and LABOCA 870 μm observations in the Extended Chandra Deep Field-South", *MNRAS* 411, 505-549, 2/2011
25. Penner, K., Pope, A., Chapin, E. L., Greve, T. R., Bertoldi, F., Brodwin, M., Chary, R.-R., Conselice, C. J., Coppin, K., Giavalisco, M., **Hughes, D. H.**, Ivison, R. J., Perera, T., Scott, D., Scott, K., Wilson, G., "Origins of the extragalactic background at 1 mm from a combined analysis of the AzTEC and MAMBO data in GOODS-N", *MNRAS* 410, 2749-2759, 2/2011.
26. Roy, A., Ade, P. A. R., Bock, J. J., Chapin, E. L., Devlin, M. J., Dicker, S. R., France, K., Gibb, A. G., Griffin, M., Gundersen, J. O., Halpern, M., Hargrave, P. C., **Hughes, D. H.**, Klein, J., Marsden, G., Martin, P. G., Mauskopf, P., Morales Ortiz, J. L., Netterfield, C. B., Noriega-Crespo, A., Olmi, L., Patanchon, G., Rex, M., Scott, D., Semisch, C., Truch, M. D. P., Tucker, C., Tucker, G. S., Viero, M. P., Wiebe, D. V., "The Balloon-borne Large Aperture Submillimeter Telescope (BLAST) 2005: A 10 deg² Survey of Star Formation in Cygnus X", *ApJ* 727, 114-, 2/2011.
27. Valyavin, G., Antonyuk, K., Plachinda, S., Clark, D. M., Wade, G. A., Fox Machado, L., Alvarez, M., Lopez, J. M., Hiriart, D., Han, I., Jeon, Y.-B., Bagnulo, S., Zharikov, S. V., Zurita, C., **Mújica, R.**, Shulyak, D., Burlakova, T., "A Study of the Photometric Variability of the Peculiar Magnetic White Dwarf WD 1953-011", *ApJ* 734, 17-, 6/2011
28. Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B. (318 coautores incluyendo **Mújica, R. #285**), "Multi-wavelength Observations of the Flaring Gamma-ray Blazar 3C 66A in 2008 October", *ApJ* 726, 43-, 1/2011



Artículos Arbitrados Publicados

29. Basilakos, S., **Plionis, M.**, Pouri, A., "Generalized evolution of linear bias: A tool to test gravity", PhRvD, 83, 3525, 2011

30. Basilakos, S., **Plionis, M.**, Alves, M. E. S., Lima, J. A. S., "Dynamics and constraints of the massive graviton dark matter flat cosmologies", PhRvD, 83, 3506, 2011

31. **Rodríguez-Merino, L. H.**, **Rosa-González, D.**, **Mayya, Y. D.**, "Spatially Resolved Star Formation History Along the Disk of M82 Using Multi-band Photometric Data", ApJ 726, 51-, 1/2011

32. **Rodríguez, M.**, **Delgado-Inglada, G. (est.)**, "The Oxygen Abundance in the Solar Neighborhood", ApJ 733, L50-, 6/2011

33. Viironen, K., Mampaso, A., Corradi, R. L. M., Drew, J. E., Frew, D. J., Giammanco, C., Greimel, R., Liimets, T., Lindberg, J. E., **Rodríguez, M.**, Sabin, L., Sale, S. E., Wilson, P. A., Zijlstra, A., "A new planetary nebula in the outer reaches of the Galaxy", A&A 530, A107-, 6/2011

34. Hägele, G. F., García-Benito, R., Pérez-Montero, E., Díaz, Á. I., Cardaci, M. V., Firpo, V., **Terlevich, E.**, **Terlevich, R.**, "Abundance determination of multiple star-forming regions in the H II galaxy SDSS J165712.75+321141.4", MNRAS 414, 272-288, 6/2011

35. Clemens, M. S., Panuzzo, P., Rampazzo, R., **Vega, O.**, **Bressan, A.**, "Mid-infrared colour gradients and the colour-magnitude relation in Virgo early-type galaxies", MNRAS 412, 2063-2070, 4/2011

36. Avila, R., Sánchez, L., Cruz-González, I., Castaño, V. M., **Carrasco, E.**, "Recalibrated turbulence profiles at San Pedro Mártir", RMxAA 47, 75-82, 4/2011.



Artículos Arbitrados Publicados

Óptica.

37. **V. Arrizón-Peña**, D. Sánchez-De la Llave, G. Méndez-U. Ruíz-Corona. "Efficient generation of periodic and quasi-periodic non-diffractive optical fields with phase holograms". *Optics Express*, **19**, 11, (2011), 10553-10562.
38. **C. Gutiérrez-Martínez** J. Santos-Aguilar R. Ochoa-Valiente M. Santiago-Bernal, A. Morales-Díaz. "Modeling and experimental electro-optic response of dielectric Lithium Niobate (LiNbO₃) waveguides used as electric field sensors". *Measurement Science and Technology*, **22**, (2011), 035207-1-035207-7.
39. M. Campos-García, V. I. Moreno-Oliva, R. Díaz-Uribe, **F. Granados-Agustín**, A. Santiago-Alvarado. "Improving fast aspheric convex surface tests with dynamic null screens using LCDs". *Appl. Opt.* **50**, 19, (2011), 3101-3109.
40. **N. Korneev-Zabello**, P. Rodríguez-Montero, R. Ramos-García, J. C. Ramírez-San Juan, J. P. Padilla-Martínez. "Ultrasound induced by CW laser cavitation bubbles". *Journal of Physics* **278**, 012029 (2011). doi:10.1088/1742-6596/278/1/012029.
41. **N. Korneev-Zabello**, P. Rodríguez-Montero. "Rubidium vapour based adaptive interferometer for laser ultrasound detection". *Journal of Physics*, **278**, 012029 (2011). doi: 10.1088/1742-6596/278/1/012040.
42. A. Flores-Rosas, **E. A. Kuzin**, B. Ibarra-Escamilla, O. Pottiez, M. Durán-Sánchez. "Optical switch based on stimulated Raman scattering". *Optical Engineering* **50**, 7, (2011), 071102-1-071102-7.
43. R. I. Alvarez-Tamayo, M. Durán-Sánchez, O. Pottiez, **E. A. Kuzin**, B. Ibarra-Escamilla, A. Flores-Rosas. "Theoretical and experimental analysis of tunable Sagnac Hi-Bi loop filter for dual-wavelength laser application". *Applied Optics*, **50**, 3, (2011), 253-260.
44. **G. Martínez-Niconoff**, P. Martínez-Vara, J. Muñoz-López, J. J. Juárez-Morales, A. Carbajal-Domínguez. "Partially coherent surface plasmon beams". *Journal European of the Optical Society Jeos*. **6**, (2011), 11009-11015.
45. D. Rodríguez-Méndez, **H. Moya-Cessa**. "Noon states in entangled cavities". *Optics Commun.*, **284**, (2011), 3345-3347.



Artículos Arbitrados Publicados

46. A. Pérez-Leija, **H. Moya-Cessa**, F. Soto-Eguibar, O. Aguilar-Loreto, A. Szameit, D. N. Christodoulides. "Classical analogs to quantum nonlinear coherent states in photonic lattices". *Opt. Commun.*, **284**, 7, (2011), 1833-1836.
47. R. de J. León-Montiel, E. A. Martí-Panameño, **H. Moya-Cessa**. "New method to evaluate divergent series via the wigner function". *App. Math. Inf., Sc*, **5**, 2, (2011), 301-306.
48. R. de J. León-Montiel, **H. Moya-Cessa**. "Modelling non linear coherent states in fiber arrays". *Int. J. of Quantum Inf.*, **9**, S1, (2011), 349-355.
49. R. C. Fontanilla-Urdaneta, **A. Olivares-Pérez**, I. Fuentes-Tapia, M. A. Ríos-Velasco. "Analysis of voltage effect on holographic gratings by modulation transfer function". *Applied. Optics*, **50**, (2011), 1827-1831.
50. R. C. Fontanilla-Urdaneta, **A. Olivares-Pérez**, I. Fuentes-Tapia. "Real time holographic gratings modulate with voltage by different thickness film". *Opt. Eng.* **50**, 4, (2011), 045801-1-045801-3.
51. **A. Olivares-Pérez**, M. P. Hernández-Garay, I. Fuentes-Tapia, J. C. Ibarra-Torres. "Holograms in polivinil alcohol photosensitized with $\text{CuCl}_2 (2\text{H}_2\text{O})$ ". *Opt. Eng.*, **50**, 6, (2011), 065801-1, -065801-6.
52. **J. C. Ramírez-San Juan**, J. P. Padilla-Martínez, P. Zaca-Morón, R Ramos-García. "Micro-hole drilling in thin film with cw low power lasers". *Optical Materials. Express*, **1**, (2011), 598-604.
53. A. Garza-Rivera, **F. J. Renero-Carrillo**. "Design of artificial apposition compound eye with cylindrical micro-doublers". *Optical Review*, **18**, 1, (2011), 184-186.
54. O. J. Zapata-Nava, **P. Rodríguez-Montero**, M. D. Iturbe-Castillo, C. G. Treviño-Palacios. "Grating cavity dual wavelength dye laser". *Optics Express* **19**, Issue 4, (2011), 3483-3493.
55. **F. Soto-Eguibar**, H. Moya-Cessa. "Inverse of the vandermonde and vandermonde confluent matrices". *App. Math. Inf. Sc.*, **5**, 3, (2011), 361-366.



Artículos Arbitrados Publicados

56. R. Mar-Sararo, **F. Soto-Eguibar**, H. Moya-Cessa. "Many fields interaction: beam splitters and waveguide arrays". *Annalen der Physik*, **523**, 5, (2011), 402-407.
57. **A. Shcherbakov**, A. Yu.Kosarsky, P. Moreno-Zárate, J. Campos-Acosta, Y. V. Il'in, I. S. Tarasov. "Characterization of the train-average time-frequency parameters inherent in the low-power picosecond optical pulses generated by the actively mode-locked semiconductor laser with an external single-mode fiber cavity". *OPTIK International Journal for Light & Electron. Optics*, **122**, (2011), 136-141.
58. **A. Shcherbakov**, J. Maximov, A. M.Bliznetsov, K. J.Sánchez Pérez. "Potentials of the acousto-optical spectrum analysis on a basis of a novel algorithm of the collinear wave heterodyning in a large-aperture KRS-5 crystalline cell". *Optical Engineering*, **50**, issue 3, 034002, (2011), 1-14.
59. O. J. Zapata-Nava, **C. G. Treviño-Palacios**, M. D. Iturbe-Castillo y P. Rodríguez-Montero. "Grating cavity dual wavelength dye laser". *Virtual Journal of Biomedical Optics*, **3** Issue 3, (March 18, 2011).-FALTA COMPROBANTE
60. **G. Urcid-Serrano**, J. C. Valdiviezo-Navarro, G. X. Ritter. "Lattice algebra approach to color image segmentation". *Springer Verlag Journal of Mathematical Imaging and Vision*, DOI: 10.1007/s10851-011-0302-2, June 2011.1-10.

- **Artículos publicados en revistas nacionales con arbitraje**

61. **A. Cornejo-Rodríguez**. "The first years of optics in Mexico and the Role of the Boletín de los observatorios de Tonantzintla y Tacubaya on its Development". *Rev. Mex. A. A.*, **39**, (2011), 109-115.
62. **F. Soto-Eguibar**, O. Aguilar-Loreto, A. Pérez-Leija, H. Moya-Cessa, D. N. Christodoulides. "Finite photonic lattices: A solution using characteristic polynomials". *Revista Mexicana de Física*, **57**, 2, (2011), 158-161.



Artículos Arbitrados Publicados

Electrónica

63. "Dose Dependent Shift of the TL Glow Peak in a Silicon Rich Oxide (Sro) Film"
T. M. Piters, **M. Aceves-Mijares**, D. Berman-Mendoza, L. R: Berriel-Valdos and
J. A. Luna López. Vol. 57, No. 2 pp 26-29 (2011).
64. "Determination Of The Energy States Of The Donor Acceptor Decay Emission
In Silicon Rich Oxide Prepared By Low-Pressure Chemical Vapor Deposition"
R. López –Estopier, **M. Aceves-Mijares** and Z. Yu. J. Vac. Sci. Technol B. Vol.
29, No. 2, doi: 10.1116/1.3554735 (2011).
65. "On the photoluminescence of multilayer arrays of silicon rich oxide with high
silicon content prepared by low pressure chemical vapor deposition" E.
Quiroga-González, W. Bensch, **M. Aceves-Mijares**, Z. Yu, R. López-Estopier,
K. Monfil-Leyva. Thin Solid Films, doi:10.1016/j.tsf.2011.06.020 (2011).
66. Humberto Lobato-Morales, D. V. B. Murthy, **Alonso Corona-Chávez**, José Luis
Olvera-Cervantes, Juan Martínez-Brito, and Luis Gerardo Guerrero-Ojeda,
"Permittivity Measurements at Microwave Frequencies Using Epsilon-Near-
Zero (ENZ) Tunnel Structure", IEEE Microwave Transactions and Techniques.
Issue:99, pp 1-1, April 2011.
67. B. Lopez-Garcia, D. V. B. Murthy, and **A. Corona-Chavez**, "Half Mode
Microwave Filters Based On Epsilon Near Zero And Mu Near Zero Concepts",
Progress In Electromagnetics Research, Vol. 113, pp. 379-393, 2011
68. A. Jaimes-Vera, I. Llamas-Garro y **A. Corona-Chavez**, "Coaxial Narrowband
Filters Using a Versatile Suspended Resonator", Progress In Electromagnetics
Research, Vol. 115, pp. 79-94, 2011
69. **A. Corona-Chavez**, M. Nogues-Hoyos, L. Esteras-Otal, D. V. B. Murthy, and B.
Sanchez-Rinza, "A High-Temperature Superconducting Notch Filter to
Suppress Cellular-Band Interference in Radiotelescopes", IEEE Transactions
On Applied Superconductivity, Vol. 21, No. 2, April 2011.
70. **Alonso Corona-Chavez**, D. V. B Murthy, and Jose Luis Olvera-Cervantes,
"Novel Microwave Filters Based O Epsilon Near Zero Waveguide Tunnels",
Microwave And Optical Technology Letters , Vol. 53, No. 8, August 2011.
71. A. Orduña-D, E. Castillo-D, A. Torres-J, **F.J. De la Hidalga-W**, and C.G.
Treviño-P, "Design and Fabrication of a Bidimensional Microbolometer Array for



Artículos Arbitrados Publicados

- TeraHertz Detection Characterized at Different Temperatures”, Journal of Physics, Conference Series 274, 012112 (2011).
72. Lopez-Hernandez, **A. Diaz-Mendez**, J.L. Del-Rio-Correa, M. Cruz-Irisson, R. Vazquez-Medina, “A current mode CMOS noise generator using multiple Bernoulli maps, Microelectronic Engineering”, In Press, 10 May 2011, ISSN 0167-9317, DOI: 10.1016/j.mee.2011.05.009.
73. J.A. Martinez-Nonthe, A. Castaneda-Solis, **A. Diaz-Mendez**, M. Cruz-Irisson, R. Vazquez-Medina, “Chaotic block cryptosystem using high precision approaches to tent map”, Microelectronic Engineering, In Press, Available online 19 April 2011, ISSN 0167-9317, DOI: 10.1016/j.mee.2011.04.005.
74. Trejo, A. Miranda, L. Nino de Rivera, **A. Diaz-Mendez**, M. Cruz-Irisson, “Phonon optical modes and electronic properties in diamond nanowires”, Microelectronic Engineering, In Press, Available online 24 April 2011, ISSN 0167-9317, DOI: 10.1016/j.mee.2011.04.052.
75. A. Fernandez-Vasquez, **G. Jovanovic Dolecek**, “An L1 design of GCF compensation filter”, Revista: Signal Processing (Elsevier) vol.91. 2011, pp.1143-1149.
76. M. Laddomada, D. Troncoso, **G. Jovanovic Dolecek**, “Design of Multiplierless Decimation Filters Using an Extended Search of Cyclotomic Polynomials”, Revista: IEEE Transactions on Circuits and Systems-II: Express Briefs, vol.58, No2, February 2011, pp.115-119.
77. M. Laddomada, **G. Jovanovic Dolecek**, Lim Yong Ching, Markku Renfors, and Lars Wanhammar, “Advanced techniques on multirate signal processing for digital information processing”, IET Signal Processing, 2011, vol.5, No.3, pp. 313-315.
78. Aguirre-Hernández Mariano, **Linares-Aranda Mónico**. “CMOS Full-adders for energy-efficient arithmetic applications”, IEEE transactions on Very-Large Scale Integration Systems. Vol. 19, No. 4, pp. 718-721, April 2011.
79. **Juan Manuel Ramirez**, Pilar Gomez-Gil, Vicente Alarcon-Aquino, D. Báez López, R. Enríquez Caldera, “A biometric system based on neural networks and SVM using morphological feature extraction from hand-shape images”,



Artículos Arbitrados Publicados

- Informática International Journal; ISSN 0868-4952, Vol. 22, No. 2, pp. 225–240, 2011.
80. **Juan Manuel Ramírez**, Pilar Gómez-Gil, Jorge Martínez Carballido, Filiberto López: “A LabView based Autonomous Vehicle Navigation System using Robot Vision and Fuzzy Control”, Revista "Ingeniería Investigación y Tecnología", Vol. XII, Num. 2, pp. 129-136, ISSN 1405-7743, (Índice de Revistas Mexicanas de Investigación Científica y Tecnológica del CONACYT), 2011.
81. C. Sánchez-López, F.V. Fernández, **E. Tielo-Cuautle**, S. X.-D. Tan, “Pathological Element-Based Active Device Models and Their Application to Symbolic Analysis”, IEEE Transactions on Circuits and Systems I: Regular papers, vol. 58, no. 6, pp. 1382-1395, ISSN: 1549-8328 (Print), 2011. DOI: 10.1109/TCSI.2010.2097696 .
82. C. Sánchez-López, **E. Tielo-Cuautle**, E. Martínez-Romero, “Symbolic Analysis of OTRAs-Based Circuits”, Journal of Applied Research and Technology, vol. 9, no. 1, pp. 69-80, ISSN: 1665-6423 (Online), April 2011. E. Martínez-Romero fué estudiante de maestría graduado en noviembre de 2010.
83. V.H. Carbajal-Gómez, **E. Tielo-Cuautle**, R. Trejo-Guerra, C. Sánchez-López, J.M. Muñoz-Pacheco, “Experimental Synchronization of Multiscroll Chaotic Attractors using Current-Feedback Operational Amplifiers”, Nonlinear Science Letters B: Chaos, Fractal and Synchronization, vol. 1, no. 1, pp. 37-42, ISSN: 2078-2314, 2011.
84. A. De Moya, A. Perez, J. Plaza, **E. Tielo**, A. Torres, “A Procedure to Obtain the Solution of the Potential Function in Semiconductor Materials”, Revista Colombiana de Física, vol. 42, no. 2, pp. 132-135, ISSN: 0120-2650 (Online), 2010.
85. Roberto Ambrosio, **Alfonso Torres**, Carlos Zuñiga, Mario Moreno, and Jose Mireles Jr.; “ Optimization of the contact resistance in the interface structure of n-type Al/a-SiC:H by thermal annealing for optoelectronics applications”; Phys. Status Solidi A, 1–5 (2010)
86. A. Orduña-Díaz, C.G. Treviño-Palacios, M. Rojas-Lopez, R. Delgado-Macuil, V.L. Gayou, **A. Torres-Jacome**, “FTIR and electrical characterization of a-Si:H layers deposited by PECVDat different boron ratios”; Materials Science and Engineering B 174 (2010) 93–96



Artículos Arbitrados Publicados

87. M. Rojas-López, A. Orduña-Díaz, R. Delgado-Macuil, V.L. Gayou, M. Bibbins-Martínez, **A. Torres-Jácome**, C.G. Treviño-Palacios, “a-Si:H crystallization from isothermal annealing and its dependence on the substrate used”, *Materials Science and Engineering B* 174 (2010) 137–140
88. García-Juárez, **I. E. Zaldívar-Huerta**, G. Aguayo-Rodríguez, J. Rodríguez-Asozoza, R. Gómez-Colín, M. C. Acosta-Enriquez, A. Rojas-Hernández, “Coherent demodulation of microwave signals by using optical heterodyne technique with applications to point to point indoor wireless communications systems”, *Journal of Physics: Conference Series (JPCS)*, Published online: 25 February 2011, Vol. 274 No. 1 (2011) 012008.
89. G. Aguayo-Rodríguez, **I. E. Zaldívar-Huerta**, A. García-Juárez, J. Rodríguez-Asozoza, L. Larger, N. Courjal, “Photonic filtering of microwave signals in the frequency range of 0.01-20 GHz using a Fabry-Perot filter”, *Journal of Physics: Conference Series (JPCS)*, Published online: 25 February 2011, Vol. 274 No. 1 (2011) 012014.

- **Artículos Publicados en revistas nacionales con arbitraje**

90. M. A. Domínguez-J., **P. Rosales-Q.**, A. Torres-J., J. Molina-R, M. Moreno-M., C. Zúñiga-I., and W. Calleja-A., Felipe Coyotl-M., “Óxido de silicio SOG como dieléctrico de compuerta recocido a 200 Superficies y Vacío 24(1) 1-4 marzo de 2011.
91. **P. Rosales-Quintero**, M. Moreno-Moreno, A. Torres-Jacome, F.J. De la Hidalga Wade, J. Molina-Reyes, W. Calleja-Arriaga, and C. Zuniga-Islas, “Impact of the base doping concentration on the transport mechanisms in n-type a-SiGe:H/p-type c-Silicon Heterojunctions”, *Revista Mexicana de Física*, 57 (2) 133–139, 2011.
92. Francisco López, Blanca S. Soto, **Carlos Zúñiga** y Salvador Alcántara, “Arreglo de Microelectrodos Planares con Procesos CMOS Estándar (Semiconductor Complementario Metal-Oxido), *Información Tecnológica*, vol. 22(3), (2011) 115 – 124.

Ciencias Computacionales.



Artículos Arbitrados Publicados

JCR (Journal Citation Reports) or Indexed by CONACyT

93. "Automatic face interpretation using fast 3D illumination-based AAM models". **Salvador E. Ayala-Raggi, Leopoldo Altamirano-Robles**, and Janeth Cruz-Enriquez. *Computer Vision and Image Understanding*. Volume 115, Issue 2, February 2011, Pages 194-210. doi:10.1016/j.cviu.2010.11.005.
94. "Recording Lifetime Behavior and Movement in an Invertebrate Model". Sige Zou, Pablo Liedo, **Leopoldo Altamirano-Robles**, Janeth Cruz-Enriquez, Amy Morice, Donald K. Ingram, Kevin Kaub, Nikos Papadopoulos, James R. Carey. In *PLoS ONE*. Volume 6 Issue 4. doi:10.1371/journal.pone.0018151. Received: November 15, 2010; Accepted: February 22, 2011; Published: April 12, 2011. 7p.
95. "An FPGA Implementation to Detect Selective Cationic Antibacterial Peptides". Carlos Polanco González, Marco Aurelio Nuño Maganda, **Miguel Arias-Estrada**, Gabriel del Rio. In *PLoS ONE*. Volume 6 Issue 6. ISSN · 1932-6203, Impact factor: 4.351. published 28 Jun 2011 doi:10.1371/journal.pone.0021399-6423. pp 260-273. 7p.
96. "A Neural Network Scheme for Long-term Forecasting of Chaotic Time Series" **Gómez-Gil P**, Ramírez-Cortés JM, Pomares Hernández SE, Alarcón-Aquino V. *Neural Processing Letters*. Vol.33, No. 3, June 2011. pp 215-233. Published online: March 8, 2011. DOI: 10.1007/s11063-011-9174-0 (cited at JCR Science Edition—2009).
97. "Leukemia identification from bone marrow cells images using a machine vision and data mining strategy". **Jesus A. Gonzalez**, Ivan Olmos, **Leopoldo Altamirano**, **Blanca A. Morales**, **Carolina Reta**, **Martha C. Galindo**, Jose E. Alonso, Ruben Lobato. *Intelligent Data Analysis*. ISSN: 1088-467X (Print), 1571-4128 (Online). *Computer Science, Artificial Intelligence and Mathematical Analysis*. Volume 15, Number 3 / 2011. pp. 443-462. DOI: 10.3233/IDA-2010-0476. Computer & Communication Sciences. Online Date: Tuesday, May 10, 2011.
98. "RP-Miner: a relaxed prune algorithm for frequent similar pattern mining", **Ansel Yoan Rodríguez-González**, **José Francisco Martínez-Trinidad**, **Jesús Ariel Carrasco-Ochoa** and José Ruiz-Shulcloper, *Knowledge and Information Systems*, Volume 27(3), June 2011, pp: 451-471, , DOI: 10.1007/s10115-010-0309-9.



Artículos Arbitrados Publicados

99. "Fast Most Similar Neighbor classifiers for Mixed Data". **Selene Hernández Rodríguez, José Fco. Martínez-Trinidad, and Jesús Ariel Carrasco-Ochoa**. *Computación y Sistemas*. ISSN 1405-5546. Junio-Septiembre 2010 volumen 14 numero 1 pp. 71-84 (impreso enero 2011).
100. "Multimodal Indexing based on Semantic Cohesion for Image Retrieval". **Hugo Jair Escalante, Manuel Montes, Enrique Sucar**. *Information Retrieval*. Available online June 5, 2011. (Indexada en Science JCR) DOI: 10.1007/s10791-011-9170-z.
101. "An Energy-based Model for Region-labeling". Hugo Jair Escalante, **Manuel Montes, Enrique Sucar**. *Computer Vision and Image Understanding*, Volume 115, Issue 6, June 2011. doi:10.1016/j.cviu.2011.02.002. (Indexada en Science JCR) pp 787-803.
102. "Multiagent System Applied to the Modeling and Simulation of Pedestrian Traffic in Counterflow". Ana Luisa Ballinas-Hernandez, **Angelica Muñoz-Melendez**, Alejandro Rangel-Huerta. *The Journal of Artificial Societies and Social Simulation*. Vol. 14, Issue 3, June 2011. Indizada en ISI Journal Citation Reports (2010 JCR Social Science Edition), Master Journal List, Factor de Impacto: 1.7. (20 páginas).
103. "An Efficient Δ -Causal Distributed Algorithm for Synchronous Cooperative Systems in Unreliable Networks", **Saul E. Pomares Hernandez, Eduardo Lopez Dominguez, Gustavo Rodriguez Gomez**, *Computación y Sistemas*, Eds. Centro de Investigación en Computación-IPN, ISSN 1405-5546. Junio-Septiembre 2010 volumen 14 numero 1 pp. 31-42 (impreso enero 2011).
104. "A Comparison of Dynamic Naive Bayesian Classifiers and Hidden Markov Models for Gesture Recognition" H.H. Avilés-Arriaga, **L.E. Sucar-Succar**, C.E. Mendoza-Durán, L.A. Pineda-Cortés *Journal of Applied Research and Technology*, (2011) Vol.9 No.1: pp. 81-102. ISSN: 1665-6423.
105. Hacia la identificación de relaciones de hiponimia/hiperonimia en Internet. Rosa María Ortega, César Aguilar, **Luis Villaseñor, Manuel Montes** y Gerardo Sierra. Revista *Signos*, DOI: 10.4067/S0718-09342011000100005, pp. 68-84, versión ISSN 0718-0934, Volumen 44, Número 75, Marzo 2011. (Indexada en Social Science JCR).
106. Un método independiente del idioma para responder preguntas de definición. **Claudia Denicia-Carral, Luis Villaseñor-Pineda, Manuel Montes-y-Gómez**.



Artículos Arbitrados Publicados

Computación y Sistemas. Vol. 14 No. 2, 2010, pp 97-115. (en índice de Conacyt) (impreso enero 2011).

107. "Classification of Attitude Words for Opinion Mining", **Laritza Hernández, A. López-López** & José E. Medina, *International Journal of Computational Linguistics and Applications*, Vol. 2, No. 1-2, Jan-Dec 2011, ISSN: 0976-0962. 12 p. [Indexing: LatIndex, Periódica, e-revistas].
108. "Topological Decoupled Group Key Management for Cellular Networks", **Jorge Estudillo Ramirez, Saúl E. Pomares Hernandez, Gustavo Rodríguez Gómez, Roberto Perez**, *Journal of Computer Science* 7 (3):409-415, 2011, ISSN 1549-3636, Science Publications [Journal of Computer Science is Abstracted/Indexed in: Ulrich, DOAJ, Cabell, WAD, ASA, IET- ISI Thomson Scientific, IET, Genamics, EBSCO, Thomson Gale, ProQuest, SCOPUS, Current Abstracts, Zeitschriften, Expanded Academic ASAP, InfoTrac Custom, Science Resource Center, Student Resource Center College]