
Artículos Arbitrados Publicados

Astrofísica

1. Negrello, M., Hopwood, R., De Zotti, G., Cooray, A., Verma, A., Bock, J., Frayer, D. T., Gurwell, M. A., Omont, A., Neri, R., Dannerbauer, H., Leeuw, L. L., Barton, E., Cooke, J., Kim, S., da Cunha, E., Rodighiero, G., Cox, P., Bonfield, D. G., Jarvis, M. J., Serjeant, S., Ivison, R. J., Dye, S., **Aretxaga, I., Hughes, D. H.**, Ibar, E., Bertoldi, F., Valtchanov, I., Eales, S., Dunne, L., Driver, S. P., Auld, R., Buttiglione, S., Cava, A., Grady, C. A., Clements, D. L., Dariush, A., Fritz, J., Hill, D., Hornbeck, J. B., Kelvin, L., Lagache, G., Lopez-Caniego, M., Gonzalez-Nuevo, J., Maddox, S. Pascale, E., Pohlen, M. Rigby, E. E. Robotham, A., Simpson, C. Smith, D. J. B., Temi, P., Thompson, M. A., Woodgate, B. E., York, D. G., Aguirre, J. E., Beelen, A., Blain, A., Baker, A. J., Birkinshaw, M., Blundell, R., Bradford, C. M., Burgarella, D., Danese, L., Dunlop, J. S., Fleuren, S., Glenn, J., Harris, A. I., Kamenetzky, J., Lupu, R. E., Maddalena, R. J., Madore, B. F., Maloney, P. R., Matsuhara, H., Michaowski, M. J., Murphy, E. J., Naylor, B. J., Nguyen, H., Popescu, C., Rawlings, S., Rigopoulou, D., Scott, D., Scott, K. S., Seibert, M., Smail, I., Tuffs, R. J., Vieira, J. D., van der Werf, P. P., Zmuidzinas, J., "The Detection of a Population of Submillimeter-Bright, Strongly Lensed Galaxies", *Science* 330, 800-804, noviembre 2010.
2. Rex, M., Rawle, T. D., Egami, E., Pérez-González, P. G., Zemcov, M., **Aretxaga, I.**, Chung, S. M., Fadda, D., Gonzalez, A. H., **Hughes, D. H.**, Horellou, C., Johansson, D., Kneib, J.-P., Richard, J., Altieri, B., Fiedler, A. K., Pereira, M. J., Rieke, G. H., Smail, I., Valtchanov, I., Blain, A. W., Bock, J. J., Boone, F., Bridge, C. R., Clement, B., Combes, F., Dowell, C. D., Dessauges-Zavadsky, M., Ilbert, O., Ivison, R. J., Jauzac, M., Lutz, D., Omont, A., Pelló, R., Rodighiero, G., Schaerer, D., Smith, G. P., Walth, G. L., van der Werf, P., Werner, M. W., Austermann, J. E., Ezawa, H., Kawabe, R., Kohno, K., Perera, T. A., Scott, K. S., Wilson, G. W., Yun, M. S., "The far-infrared/submillimeter properties of galaxies located behind the Bullet cluster", *A&A* 518, 1-8, Julio 2010.
3. Scott, K. S., Yun, M. S., Wilson, G. W., Austermann, J. E., Aguilar, E., **Aretxaga, I.**, Ezawa, H., **Ferrusca, D.**, Hatsukade, B., **Hughes, D. H.**, Iono, D., Giavalisco, M., Kawabe, R., Kohno, K., Mauskopf, P. D., Oshima, T., Perera, T. A., Rand, J., Tamura, Y., Tosaki, T., **Velazquez, M.**, Williams, C. C., **Zeballos, M. (est)**, "Deep 1.1mm-wavelength imaging of the GOODS-S field by AzTEC/ASTE - I. Source catalogue and number counts", *MNRAS* 405, 2260-2278, mayo 2010.
4. Austermann, J. E., Dunlop, J. S., Perera, T. A., Scott, K. S., Wilson, G. W., **Aretxaga, I.**, **Hughes, D. H.**, Almaini, O., Chapin, E. L., Chapman, S. C., Cirasuolo, M., Clements, D. L., Coppin, K. E. K., Dunne, L., Dye, S., Eales, S. A., Egami, E., Farrah, D., **Ferrusca, D.**, Flynn, S., Haig, D., Halpern, M., Ibar, E.,

Artículos Arbitrados Publicados

- Iverson, R. J., van Kampen, E., Kang, Y., Kim, S., Lacey, C., Lowenthal, J. D., Mauskopf, P. D., McLure, R. J., Mortier, A. M. J., Negrello, M., Oliver, S., Peacock, J. A., Pope, A., Rawlings, S., Rieke, G., Roseboom, I., Rowan-Robinson, M., Scott, D., Serjeant, S., Smail, I., Swinbank, A. M., Stevens, J. A., **Velazquez, M.**, Wagg, J., Yun, M. S., “AzTEC half square degree survey of the SHADES fields - I. Maps, catalogues and source counts”, MNRAS 401, 160-176, enero 2010.
5. Wardlow, J. L., Smail, Ian, Wilson, G. W., Yun, M. S., Coppin, K. E. K., Cybulski, R., Geach, J. E., Iverson, R. J., **Aretxaga, I.**, Austermann, J. E., Edge, A. C., Fazio, G. G., Huang, J., **Hughes, D. H.**, Kodama, T., Kang, Y., Kim, S., Mauskopf, P. D., Perera, T. A., Scott, K. S., “An AzTEC 1.1-mm survey for ULIRGs in the field of the Galaxy Cluster MS0451.6-0305”, MNRAS 401, 2299-2317, febrero 2010.
 6. Serjeant, S., Negrello, M., Pearson, C., Mortier, A., Austermann, J., **Aretxaga, I.**, Clements, D., Chapman, S., Dye, S., Dunlop, J., Dunne, L., Farrah, D., **Hughes, D.**, Lee, H.M., Matsuhara, H., Ibar, E., Im, M., Jeong, W.S., Kim, S., Oyabu, S., Takagi, T., Wada, T., Wilson, G., Vaccari, M., Yun, M.S., “The AGN fraction of submm-selected galaxies and contributions to the submm/mm-wave extragalactic background light”, A&A 51, 1-17, mayo 2010.
 7. Almeida, C., Baugh, C. M., Lacey, C. G., Frenk, C. S., Granato, G. L., Silva, L., **Bressan, A.**, “Modelling the dusty universe – I. Introducing the artificial neural network and first applications to luminosity and colour distributions”, MNRAS 402, 544-564, 2010.
 8. **Cardona, O.**, Martínez-Arroyo, M., López-Castillo, M. A., “Atomic Partition Function for Stellar Atmospheres and Plasma Diagnostics”, ApJ 711, 239-245, marzo 2010.
 9. **Cardona-Nuñez, O.**, Cornejo-Rodríguez, A., García-Flores, P.C., “Unfolding ray trace for plate and Hedges”, RMF 56, 14-20, febrero 2010.
 10. **Cardona, O.**, Cornejo, A., García P., “Star Image Shape Transformer for Astronomical Slit Spectroscopy”, RMAA 46, 431-438, octubre 2010.
 11. Franchini, M, Morossi, C., Di Marcoantonio, P., Malaganini, M.L., **Chávez, M.**, “The Lick/SDSS Library I Synthetic Index Definition and Calibration”, AJ, 719, 240-263, agosto 2010.
 12. Masetti, N., Parisi, P., Palazzi, E., Jimenez-Bailon, E., **Chavushyan, V.**, Bassani, L., Bazzano, A., Bird, A.J., Dean, A.J., Charles, P.A., Galaz, G., Landi, R., Malizia, A., Mason, E., McBride, V.A., Minniti, D., Morelli, L., Schiavone, F., Stephen, J.B., and Ubertini, P., “Unveiling the nature of INTEGRAL objects through optical

Artículos Arbitrados Publicados

- Spectroscopy. VIII. Identification of 44 newly-detected hard X-ray sources”, A&A, 519, A96, 1-21, septiembre 2010.
13. Arshakian, T. G., Torrealba, J., **Chavushyan, V. H.**, Ros, E., Lister, M. L., Cruz-González, I., Zensus, J. A., “Radio-optical scrutiny of compact AGN: Correlations between properties of pc-scale jets and optical nuclear emission”, A&A, 520, A62, 1-11, septiembre 2010.
 14. Shapovalova, A. I., Popovic, L. C., Burenkov, A. N., **Chavushyan, V. H.**, Kollatschny, D. Ilic W., Bochkarev, A., Kovacevic N. G., **Carrasco, L.**, León-Tavares, J., Mercado, A., **Valdes, J. R.**, Vlasuyk, V.V., E. de la Fuente, E., 517, 42. “Spectral optical monitoring of 3C390.3 in 1995-2007: I. Light curves and flux variation of the continuum and broad lines”, A&A 517, 42, 1-27, julio 2010.
 15. León-Tavares, J., Lobanov, A. P., **Chavushyan, V. H.**, Arshakian, T. G., Doroshenko, V. T., Sergeev, S. G., Efimov, Y. S., Nazarov, S. V., “Relativistic Plasma as the Dominant Source of the Optical Continuum Emission in the Broad-Line Radio Galaxy 3C 120”, ApJ 715, 355-361 mayo 2010.
 16. Arshakian, T. G., León-Tavares, J., Lobanov, A. P., **Chavushyan, V. H.**, Shapovalova, A. I., Burenkov, A. N., Zensus, J. A., “Observational evidence for the link between the variable optical continuum and the subparsec-scale jet of the radio galaxy 3C 390.3”, MNRAS 401, 1231-1239, enero 2010.
 17. Shapovalova, A. I., Popovic, L. C., Burenkov, A. N., **Chavushyan, V. H.**, Ilic, D., Kovacevic, A., Bochkarev, N. G., León-Tavares, J. “Long-term variability of the optical spectra of NGC 4151. II. Evolution of the broad H-alpha and H-beta emission-line profiles”, A&A 509, 106-125, 2010.
 18. Dunlop, J. S., Ade, P. A. R., Bock, J. J., Cha pin, E. L., Cirasuolo, M., Coppin, K. E. K., Devlin, M. J., Griffin, M., Greve, T. R., Gundersen, J. O., Halpern, M., Hargrave, P. C., **Hughes, D. H.**, Ivison, R. J., Klein, J.; Kovacs, A., Marsden, G., Mauskopf, P., Netterfield, C. B., Olmi, L., Pascale, E., Patanchon, G., Rex, M., Scott, D., Semisch, C., Smail, I., Targett, T. A., Thomas, N., Truch, M. D. P., Tucker, C., Tucker, G. S., Viero, M. P., Walter, F., Wardlow, J. L., Weiss, A., Wiebe, D. V., “The BLAST 250 μm -selected galaxy population in GOODS-South”, MNRAS 408, 2022-2050, noviembre, 2010.
 19. Fowler, J. W., 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., Doriese, W. B., Dunkley, J., Dünner, R., Essinger-Hileman, T., Fisher, R. P., 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.,

Artículos Arbitrados Publicados

- Jimenez, R., Juin, J. B., Kaul, M., 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., Quintana, H., Reid, B., Sehgal, N., Sievers, J., Spergel, D. N., Staggs, S. T., Swetz, D. S., Switzer, E. R., Thornton, R., Trac, H., Tucker, C., Verde, L., Warne, R., Wilson, G., Wollack, E., Zhao, Y., "The Atacama Cosmology Telescope: A Measurement of the $600 < \ell < 8000$ Cosmic Microwave Background Power Spectrum at 148 GHz" *ApJ* 722, 1148-1161, octubre 2010.
20. Sibthorpe, B., Ade, P. A. R., Bock, J. J., Chapin, E. L., Devlin, M. J., Dicker, S., Griffin, M., Gundersen, J. O., Halpern, M., Hargrave, P. C., **Hughes, D. H.**, Jeong, W.-S., Kaneda, H., Klein, J., Koo, B.-C., Lee, H.-G., Marsden, G., Martin, P. G., Mauskopf, P., Moon, D.-S., Netterfield, C. B., Olmi, L., Pascale, E., Patanchon, G., Rex, M., Roy, A., Scott, D., Semisch, C., Truch, M. D. P., Tucker, C., Tucker, G. S., Viero, M. P., Wiebe, D. V., "KARI and BLAST Observations of the Cassiopeia A Supernova Remnant and Surrounding Interstellar Medium" *ApJ* 719, 1553-1564 agosto 2010.
21. González-Nuevo, J., de Zotti, G., Andreani, P., Barton, E. J., Bertoldi, F., Birkinshaw, M., Bonavera, L., Buttiglione, S., Cooke, J., Cooray, A., Danese, G., Dunne, L., Eales, S., Fan, L., Jarvis, M. J., Klöckner, H.-R., Hatziminaoglou, E., Herranz, D., **Hughes, D. H.**, Lapi, A., Lawrence, A., Leeuw, L., Lopez-Caniego, M., Massardi, M., Mauch, T., Michałowski, M. J., Negrello, M., Rawlings, S., Rodighiero, G., Samui, S., Serjeant, S., Vieira, J. D., White, G., Amblard, A., Auld, R., Baes, M., Bonfield, D. G., Burgarella, D., Cava, A., Clements, D. L., Dariush, A., Dye, S., Frayer, D., Fritz, J., Ibar, E., Ivison, R. J., Lagache, G., Maddox, S., Pascale, E., Pohlen, M., Rigby, E., Sibthorpe, B., Smith, D. J. B., Temi, P., Thompson, M., Valtchanov, I., Verma, A., "Herschel-ATLAS: Blazars in the science demonstration phase field", *A&A* 518, L38, julio 2010
22. Amblard, A., Cooray, A., Serra, P., Temi, P., Barton, E., Negrello, M., Auld, R., Baes, M., Baldry, I. K., Bamford, S., Blain, A., Bock, J., Bonfield, D., Burgarella, D., Buttiglione, S., Cameron, E., Cava, A., Clements, D., Croom, S., Dariush, A., de Zotti, G., Driver, S., Dunlop, J., Dunne, L., Dye, S., Eales, S., Frayer, D., Fritz, J., Gardner, Jonathan P., Gonzalez-Nuevo, J., Herranz, D., Hill, D., Hopkins, A., **Hughes, D. H.**, Ibar, E., Ivison, R. J., Jarvis, M., Jones, D. H., Kelvin, L., Lagache, G., Leeuw, L., Liske, J., Lopez-Caniego, M., Loveday, J., Maddox, S., Michałowski, M., Norberg, P., Parkinson, H., Peacock, J. A., Pearson, C., Pascale, E., Pohlen, M., Popescu, C., Prescott, M., Robotham, A., Rigby, E., Rodighiero, G., Samui, S., Sansom, A., Scott, D., Serjeant, S., Sharp, R., Sibthorpe, B., Smith, D. J. B., Thompson, M. A., Tuffs, R., Valtchanov, I., van Kampen, E., van der Werf, P., Verma, A., Vieira, J., Vlahakis, C., "Herschel-ATLAS: Dust temperature and redshift distribution of SPIRE and PACS detected sources using submillimetre colours" *A&A*, 518, L9, julio 2010.

Artículos Arbitrados Publicados

23. Serjeant, S., Bertoldi, F., Blain, A. W., Clements, D. L., Cooray, A., Danese, L., Dunlop, J., Dunne, L., Eales, S., Falder, J., Hatziminaoglou, E., **Hughes, D. H.**, Ibar, E., Jarvis, M. J., Lawrence, A., Lee, M. G., Michałowski, M., Negrello, M., Omont, A., Page, M., Pearson, C., van der Werf, P. P., White, G., Amblard, A., Auld, R., Baes, M., Bonfield, D. G., Burgarella, D., Buttiglione, S., Cava, A., Dariush, A., de Zotti, G., Dye, S., Frayer, D., Fritz, J., Gonzalez-Nuevo, J., Herranz, D., Ivison, R. J., Lagache, G., Leeuw, L., Lopez-Caniego, M., Maddox, S., Pascale, E., Pohlen, M., Rigby, E., Rodighiero, G., Samui, S., Sibthorpe, B., Smith, D. J. B., Temi, P., Thompson, M., Valtchanov, I., Verma, A., "Herschel ATLAS: The cosmic star formation history of quasar host galaxies", *A&A* 518, L7, Julio 2010
24. Eales, S., Dunne, L., Clements, D., Cooray, A., de Zotti, G., Dye, S., Ivison, R., Jarvis, M., Lagache, G., Maddox, S., Negrello, M., Serjeant, S., Thompson, M. A., Kampen, E. Van, Amblard, A., Andreani, P., Baes, M., Beelen, A., Bendo, G. J., Benford, D., Bertoldi, F., Bock, J., Bonfield, D., Boselli, A., Bridge, C., Buat, V., Burgarella, D., Carlberg, R., Cava, A., Chanical, P., Charlot, S., Christopher, N., Coles, P., Cortese, L., Dariush, A., da Cunha, E., Dalton, G., Danese, L., Dannerbauer, H., Driver, S., Dunlop, J., Fan, L., Farrah, D., Frayer, D., Frenk, C., Geach, J., Gardner, J., Gomez, H., González-Nuevo, J., González-Solares, E., Griffin, M., Hardcastle, M., Hatziminaoglou, E., Herranz, D., **Hughes, D.**, Ibar, E., Jeong, Woong-Seob., Lacey, C., Lapi, A., Lawrence, A., Lee, M., Leeuw, L., Liske, J., López-Caniego, M., Müller, T., Nandra, K., Panuzzo, P., Papageorgiou, A., Patanchon, G., Peacock, J., Pearson, C., Phillipps, S., Pohlen, M., Popescu, C., Rawlings, S., Rigby, E., Rigopoulou, M., Robotham, A., Rodighiero, G., Sansom, A., Schulz, B., Scott, D., Smith, D. J. B., Sibthorpe, B., Smail, I., Stevens, J., Sutherland, W., Takeuchi, T., Tedds, J., Temi, P., Tuffs, R., Trichas, M., Vaccari, M., Valtchanov, I., van der Werf, P., Verma, A., Viera, J., Vlahakis, C., White, Glenn J., "The Herschel ATLAS", *PASP* 122, 499-515, mayo, 2010.
25. Roy, Arabindo, Ade, Peter A. R., Bock, James J., Chapin, Edward L., Devlin, Mark J., Dicker, Simon R., Griffin, Matthew, Gundersen, Joshua O., Halpern, Mar., Hargrave, Peter C., **Hughes, David H.**, Klein, Jeff, Marsden, Gaelen, Martin, Peter G., Mauskopf, Philip; Miville-Deschênes, Marc-Antoine; Netterfield, Calvin B., Olmi, Luca, Patanchon, Guillaume, Rex, Marie, Scott, Douglas, Semisch, Christopher, Truch, Matthew D. P., Tucker, Carole, Tucker, Gregory S., Viero, Marco P., Wiebe, Donald V., "BLAST05: Power Spectra of Bright Galactic Cirrus at Submillimeter Wavelengths", *ApJ* 708, 1611-1620, enero 2010.
26. Rivera-Ingraham, A., Ade, P. A. R., Bock, J. J., Chapin, E. L., Devlin, M. J., Dicker, S. R., Griffin, M., Gundersen, J. O., Halpern, M., Hargrave, P. C., **Hughes, D. H.**, Klein, J., Marsden, G., Martin, P. G., Mauskopf, 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., "The BLAST

Artículos Arbitrados Publicados

- View of the Star-forming Region in Aquila ($ell = 45^\circ$, $b = 0^\circ$), *ApJ* 723, 915-934, noviembre 2010.
27. Hardcastle, M. J., Virdee, J. S., Jarvis, M. J., Bonfield, D. G., Dunne, L., Rawlings, S., Stevens, J. A., Christopher, N. M., Heywood, I., Mauch, T., Rigopoulou, D., Verma, A., Baldry, I. K., Bamford, S. P., Buttiglione, S., Cava, A., Clements, D. L., Cooray, A., Croom, S. M., Dariush, A., de Zotti, G., Eales, S., Fritz, J., Hill, D. T., **Hughes, D.**, Hopwood, R., Ibar, E., Ivison, R. J., Jones, D. H., Loveday, J., Maddox, S. J., Michałowski, M. J., Negrello, M., Norberg, P., Pohlen, M., Prescott, M., Rigby, E. E., Robotham, A. S. G., Rodighiero, G., Scott, D., Sharp, R., Smith, D. J. B., Temi, P., van Kampen, E., "Herschel-ATLAS: far-infrared properties of radio-selected galaxies", *MNRAS* 409, 122-131, noviembre 2010.
28. Jarvis, Matt J., Smith, D. J. B., Bonfield, D. G., Hardcastle, M. J., Falder, J. T. Stevens, J. A., Ivison, R. J., Auld, R., Baes, M., Baldry, I. K., Bamford, S. P., Bourne, N., Buttiglione, S., Cava, A., Cooray, A., Dariush, A., de Zotti, G., Dunlop, J. S., Dunne, L., Dye, S., Eales, S., Fritz, J., Hill, D. T., Hopwood, R., **Hughes, D. H.**, Ibar, E., Jones, D. H., Kelvin, L., Lawrence, A., Leeuw, L., Loveday, J., Maddox, S. J., Michałowski, M. J., Negrello, M., Norberg, P., Pohlen, M., Prescott, M., Rigby, E. E., Robotham, A., Rodighiero, G., Scott, D., Sharp, R., Temi, P., Thompson, M. A., van der Werf, P., van Kampen, E., Vlahakis, C., White, G., "Herschel-ATLAS: the far-infrared-radio correlation at $z < 0.5$ ", *MNRAS* 409, 92-101, noviembre 2010.
29. Hincks, A. D., 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., Doriese, W. B., 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., Hlozek, R., Huffenberger, K. M., **Hughes, D. H.**, Hughes, J. P., Infante, L., Irwin, K. D., Jimenez, R., Juin, J. B., Kaul, M., 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., Quintana, H., Reid, B., Sehgal, N., Sievers, J., Spergel, D. N., Staggs, S. T., Stryzak, O., Swetz, D. S., Switzer, E. R., Thornton, R., Trac, H., Tucker, C., Verde, L., Warne, R., Wilson, G., Wollack, E., Zhao, Y., "The Atacama Cosmology Telescope (ACT): Beam Profiles and First SZ Cluster Maps", *ApJ* S.191, 423-438, diciembre 2010.
30. E. Valiante, P. A. R. Ade, J. J. Bock, F. G. Braglia, E. L. Chapin, M. J. Devlin, M. Griffin, J. O. Gundersen, M. Halpern, P. C. Hargrave, **D. H. Hughes**, J. Klein, G. Marsden, P. Mauskopf, C. B. Netterfield, L. Olmi, E. Pascale, G. Patanchon, M. Rex, D. Scott, K. Scott, C. Semisch, H. Stabenau, N. Thomas, M. D. P. Truch, C. Tucker, G. S. Tucker, M. P. Viero, and V. Wiebe, "Blast Observations of the South

Artículos Arbitrados Publicados

- Ecliptic Pole Field: Numbers Counts and Source Catalogs”, ApJSS 191, 222–231, diciembre 2010.
31. Y. Tamura, D. Iono, D. J. Wilner, M. Kajisawa, Y. K. Uchimoto, D. M. Alexander, A. Chung, H. Ezawa, B. Hatsukade, T. Hayashino, **D. H. Hughes**, T. Ichikawa, S. Ikarashi, R. Kawabe, K. Kohno, B. D. Lehmer, Y. Matsuda, K. Nakanishi, T. Takata, G. W. Wilson, T. Yamada, and M. S. Yun, “Submillimeter Array Identification of the Millimeter-Selected Galaxy SSA22-AzTEC1: A Protoquasar in a Protocluster?”, ApJ 724, 1270–1282, diciembre 2010.
32. Coppin, K., Pope, A., Menéndez-Delmestre, K., Alexander, D. M., Dunlop, J. S., Egami, E., Gabor, J., Ibar, Edo, Ivison, R. J., Austermann, J. E., Blain, A. W., Chapman, S. C., Clements, D. L., Dunne, L., Dye, S., Farrah, D., **Hughes, D. H.**, Mortier, A. M. J., Page, M. J., Rowan-Robinson, M., Scott, D., Simpson, C., Smail, I., Swinbank, A.M., Vaccari, M., Yun, M. S., “Mid-infrared Spectroscopy of Candidate Active Galactic Nuclei-dominated Submillimeter Galaxies”, ApJ 713, 503-519, marzo 2010.
33. Liu, G., Calzetti, D., Yun, M.S., Wilson, G. W., Draine, B T., Scott, K., Austermann, Jason, Perera, T., **Hughes, D. H.**, **Aretxaga, I.**, Kohno, K., Kawabe, R., Ezawa, H., “An Investigation of the Dust Content in the Galaxy Pair NGC 1512/1510 from Near-Infrared to Millimeter Wavelengths”, AJ 139, 1190-1198, marzo 2010.
34. Ivison, R. J., Alexander, D. M., Biggs, A. D., Brandt, W. N., Chapin, E. L., Coppin, K. E. K., Devlin, M. J., Dickinson, M., Dunlop, J., Dye, S., Eales, S. A., Frayer, D. T., Halpern, M., **Hughes, D. H.**, Ibar, E., Kovács, A., Marsden, G., Moncelsi, L., Netterfield, C. B., Pascale, E., Patanchon, G., Rafferty, D. A., Rex, M., Schinnerer, E., Scott, D., Semisch, C., Smail, I., Swinbank, A. M., Truch, M. D. P., Tucker, G. S., Viero, M. P., Walter, F., Weiß, A., Wiebe, D. V., Xue, Y. Q., “BLAST: the far-infrared/radio correlation in distant galaxies”, MNRAS 402, 245-258, febrero 2010.
35. Hatsukade, B., Iono, D., Akiyama, T., Yoshikawa, M., Dunlop, J. S., Ivison, R. J., Peck, A. B., Ikarashi, S., Biggs, A., Ezawa, H., Hanami, H., Ho, P., **Hughes, D. H.**, Kawabe, R., Kohno, K., Matsushita, S., Nakanishi, K., Padilla, N., Petitpas, G., Tamura, Y., Wagg, J., Wilner, D. J., Wilson, G. W., Yamada, T., Yun, M. S., “Unveiling the Nature of Submillimeter Galaxy SXDF 850.6”, ApJ 711, 974-979, marzo 2010.
36. Johansson, D., Horellou, C., Sommer, M. W., Basu, K., Bertoldi, F., Birkinshaw, M., Lancaster, K., **Lopez-Cruz, O.**, Quintana, H., “Submillimeter galaxies behind the Bullet cluster (1E 0657-56)”, A&A 514, A7, 1-14, mayo 2010.

Artículos Arbitrados Publicados

37. **Luna, A., Mayya, Y. D., Carrasco, L.,** Bronfman, L., “The Discovery of a Molecular Cavity in the Norma Near Arm Associated with the H.E.S.S γ -ray Source Located in the Direction of Westerlund 1”, *ApJ* 713, L45-L49, abril 2010.
38. **Santiago-Cortés, M. (est), Mayya, Y. D. Rosa-González, D.,** “Wide-field HST/ACS images of M81: the population of compact star clusters”, *MNRAS* 405, 1293-1302, junio 2010.
39. De la Luz, V., Lara, A., **Mendoza-Torres, J. E.,** Selhorst, C. L., Caius L., “Pakal: A Three-dimensional Model to Solve the Radiative Transfer Equation”, *ApJS*, 188, 437-446 (2010).
40. Vercellone, S., D'Ammando, F., Vittorini, V., Donnarumma, I., Pucella, G., Tavani, M., Ferrari, A., Raiteri, C. M., Villata, M., Romano, P., Krimm, H., Tiengo, A., Chen, A. W., Giovannini, G., Venturi, T., Giroletti, M., Kovalev, Y. Y., Sokolovsky, K., Pushkarev, A. B., Lister, M. L., Argan, A., Barbiellini, G., Bulgarelli, A., Caraveo, P., Cattaneo, P. W., Cocco, V., Costa, E., Del Monte, E., De Paris, G., Di Cocco, G., Evangelista, Y., Feroci, M., Fiorini, M., Fornari, F., Froyland, T., Fuschino, F., Galli, M., Gianotti, F., Labanti, C., Lapshov, I., Lazzarotto, F., Lipari, P., Longo, F., Giuliani, A., Marisaldi, M., Mereghetti, S., Morselli, A., Pellizzoni, A., Pacciani, L., Perotti, F., Piano, G., Picozza, P., Pilia, M., Prest, M., Rapisarda, M., Rappoldi, A., Sabatini, S., Soffitta, P., Striani, E., Trifoglio, M., Trois, A., Vallazza, E., Zambra, A., Zanello, D., Pittori, C., Verrecchia, F., Santolamazza, P., Giommi, P., Colafrancesco, S., Salotti, L., Agudo, I., Aller, H. D., Aller, M. F., Arkharov, A. A., Bach, U., Bachev, R., Beltrame, P., Benítez, E., Böttcher, M., Buemi, C. S., Calciolone, P., Capezzali, D., Carosati, D., Chen, W. P., Da Rio, D., Di Paola, A., Dolci, M., Dultzin, D., Forné, E., Gómez, J. L., Gurwell, M. A., Hagen-Thorn, V. A., Halkola, A., Heidt, J., Hiriart, D., Hovatta, T., Hsiao, H.-Y., Jorstad, S. G., Kimeridze, G., Konstantinova, T. S., Kopatskaya, E. N., Koptelova, E., Kurtanidze, O., Lähteenmäki, A., Larionov, V. M., Leto, P., Ligustri, R., Lindfors, E., Lopez, J. M., Marscher, A. P., **Mujica, R.,** Nikolashvili, M., Nilsson, K., Mommert, M., Palma, N., Pasanen, M., Roca-Sogorb, M., Ros, J. A., Roustazadeh, P., Sadun, A. C., Saino, J., Sigua, L., Sorcia, M., Takalo, L. O., Tornikoski, M., Trigilio, C., Turchetti, R., Umana, G., “Multiwavelength Observations of 3C 454.3. III. Eighteen Months of Agile Monitoring of the “Crazy Diamond”, *ApJ* 712, 405-420, marzo 2010.
41. Basilakos, S., **Plionis, M.,** “Breaking the σ_8 - Ω_m degeneracy using the Clustering of X-ray selected AGN”, *ApJ* 714, L185-L189, mayo 2010.
42. Koulouridis, E., **Plionis, M.** “Luminous X-ray AGN in Clusters of Galaxies”, *ApJ* 714, L181-L184, mayo 2010.
43. Basilakos, S., **Plionis, M.,** Lima, J. A. S., “Confronting Dark Energy Models using Galaxy Cluster Number Counts”, *PRD* 82, 083517, octubre 2010.

Artículos Arbitrados Publicados

44. Basilakos, S., **Plionis, M.**, Sola, J., "Spherical collapse model in time varying vacuum cosmologies", PRD 82, 0835112, octubre 2010.
45. Ragone-Figueroa, C, **Plionis, M.**, Merchan, M., Gottlober, S., Yepes, G., "The relation between halo shape, velocity dispersion and formation time", MNRAS, 407, 581-589 (2010).
46. **Rodríguez, M.**, García-Rojas, J., "Temperature Structure and Metallicity in H II Regions", ApJ 708, 1551-1559, enero 2010.
47. **Silich, S.**, **Tenorio-Tagle, G.**, Muñoz-Tuñón, C, **Hueyotl-Zahuantitla, F. (est)**, Wunsch, R., Palouš, J., "On the Extreme Positive Star Formation Feedback Condition in Scuba Sources", ApJ 711, 25-31, marzo 2010.
48. Hägele, G. F., Díaz, Á. I., Cardaci, M. V., **Terlevich, E.**, **Terlevich, R.** "The circumnuclear environment of the peculiar galaxy NGC3310" MNRAS, 402, 1005-1026, febrero 2010.
49. Hägele, G., Ascasibar, Y. Richards, A. S., Cardaci, M., Vásquez, J., Díaz, Á.I., **Rosa González, D.**, **Terlevich, R.**; **Terlevich, E.**, "Subarcsecond radio continuum mapping in and around the spiral galaxy NGC3351 using MERLIN", MNRAS 406, 1675-1686, agosto 2010.
50. **Hueyotl-Zahuantitla, F. (est)**, **Tenorio-Tagle, G.**, Wunsch, R, **Silich, S.**, Palouš, J., "On the Hydrodynamic Interplay Between a Young Nuclear Starburst and a Central Supermassive Black Hole", ApJ 716, 324-331, junio 2010.
51. **Tenorio-Tagle, G.**, Wunsch, R., **Silich, S.**, Muñoz-Tuñón, C., Palous, J. "Supersonic Line Broadening within Young and Massive Super Star Clusters", ApJ, 708, 1621-1627, enero 2010.
52. Garcia-Benito, R., Díaz, A., Hagele, G.F., Perez-Montero, E., **Lopez, J. (est)**, Vílchez, J.M., Perez-Montero, E., **Terlevich, E.**, **Terlevich, R.** **Rosa-González, D.**, "Integral Field Spectroscopy of HII region complexes. The outer disk of NGC 6946." MNRAS, 408, 2234-2255, noviembre 2010.
53. **Tovmassian, H.M.**, Tiersch, H., **Chavushyan, V.H.**, Navarro, S.G., "Redshifts of 19 Shakhbazian Compact Groups of Galaxies", Astrofizika 53, 50-56, enero 2010.
54. **Tovmassian, H.M.**, Tiersch, H., Tovmassian, G.H., Neizvestni, S., "Photometry of nine Shakhbazian Compact Groups", Astrofizika 53, 154-162, abril 2010.

Artículos Arbitrados Publicados

55. **Tovmassian, H.M.**, "On the precursors of fossil groups", RMAA 46, 61-66 (2010).
56. **Tovmassian, H.M.**, Torres-Papaqui, J.P., Tiersch. H., "Isolated Shakhbazian compact groups", Astrophysics 53, 320-328, julio2010.
57. Clemens, M. S., Scaife, A., **Vega, O.**, **Bressan, A.**, "Starburst evolution: free-free absorption in the radio spectra of luminous IRAS galaxies", MNRAS 405, 887-897, junio 2010.
58. Wu, Qingwen; Gu, Minfeng; **Humphrey, Andrew**, "Accretion/jet activity and narrow [O III] kinematics in young radio galaxies", 2010, Science China Physics, Mechanics and Astronomy 53, 235-239 (2010).
59. **Humphrey, A.**, Villar-Martín, M., Sánchez, S.F., Martínez-Sansigre, A., Delgado, R., González Pérez, E., Tadhunter, C., Pérez-Torres, M.A., "Integral-field spectroscopy of type II QSOs at $z=0.3-0.4$ ", MNRAS 408, L1 (2010).
60. Villar-Martín, M., Tadhunter, C., Pérez, E., **Humphrey, A.**, Martínez-Sansigre, A., Delgado, R., González, Pérez-Torres, M., "VLT and GTC observations of SDSSJ0123+00: a type 2 quasar triggered in a galaxy encounter", MNRAS 407, L6, 2010.
61. Block, David L., **Puerari, Ivanio**, Elmegreen, Bruce G., Bournaud, Frederic, "A two component power law covering nearly four orders of magnitude in the power spectrum of Spitzer far-infrared emission from the Large Magellanic Cloud", ApJ 718, L1-L6 (2010).
62. Freeman, K, Jerjen, H., Staveley-Smith, L., **Puerari, I.**, Gurovich, S., "The slope of the Baryonic Tully-Fisher relation", AJ 140, 663-676 (2010).
63. Bournaud, F., Elmegreen, B., Teyssier, R., Block, D., **Puerari, I.**, "ISM properties in hydrodynamic galaxy simulations: Turbulence cascades, disk properties, role of gravity and feedback", MNRAS 409, 1088-1099 (2010).
64. Israel, F.P., **Wall, W.F.**, Raban, D., Reach, W.T., Bot, C., Oonk, J.B.R., Ysard, N., Bernard, J.P., "Submillimeter to centimeter excess emission from the Magellanic Clouds. I. Global spectral energy distribution", A&A 519, 67, septiembre 2010.
65. Bot, C., Ysard, N., Paradis, D., Bernard, J.P., Lagache, G., Israel, J.P., **Wall, W.F.**, "Submillimeter to centimeter excess emission from the Magellanic Clouds. II. On the nature of the excess", A&A 523, 20, septiembre 2010.

Artículos Arbitrados Publicados

Óptica

66. D. Kuang, M. Alcaráz.-Rivera, **J. J. Báez-Rojas**, M. L. Cruz-López. "New Fully functioning digital hologram redording system and its applications". *Optical Engineering* **49**, 10, (2010). 105802-1-105802-6.
67. Cunill-Rodríguez, **J. Castro-Ramos**, S. Vázquez-Montiel, J. A. Delgado-Atencio. "Algoritmo de extracción de las propiedades ópticas a partir de la medición de la reflexión difusa resuelta espacialmente". *Revista Cubana de Física*, **27**, 1, (2010), 59-62.
68. J. M. Hickmann, E. J. S. Fonseca, W. C. Soares, **S. Chávez-Cerda**. "Unveiling a truncated optical lattice associated with a triangular aperture using light's orbital angular momentum". *Physical Review Letters*, **105**, 053904-1-053904-4, (2010).
69. E. V. García-Ramírez, M. L. Arroyo-Carrasco, M. M. Méndez-Otero, **S. Chávez-Cerda**, M. D. Iturbe-Castillo. "Far field intensity distributions due to spatial self phase modulation of a Gaussian beam by a thin nonlocal nonlinear media". *Optics Express*, **18**, 21, (2010), 22067-22079. doi:10.1364/OE.18.022067.
70. González-García, O. Pottiez, R. Grajales-Coutiño, **B. Ibarra-Escamilla**, E. A. Kuzin. "Optical pulse compression and amplitude noise reduction using a nonlinear optical loop mirror including a distributed gires-tournois etalon". *Optics and Laser Technology*, **42**, (2010), 1103-1111. ISSN: 0030-3992.
71. González-García, O. Pottiez, R. Grajales-Coutiño, **B. Ibarra-Escamilla**, E. A. Kuzin. "Switchable and tunable multi-wavelength Er-doped fibre ring laser using Sagnac filters". *Laser Physics*, **20**, 3, (2010), 720-725, ISSN: 1050-660X.
72. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin, R. Grajales-Coutiño, C. M. Carrillo-Delgado. "Generation of high-energy pulses from an all-normal-dispersion figure-8 fiber laser". *Laser Physics*, **20**, 3, (2010), 709-715, ISSN: 1050-660X.
73. O. Pottiez, **B. Ibarra-Escamilla**, E. A. Kuzin, R. Grajales-Coutiño, A. González-García. "Tunable Sagnac comb filter including two wave

Artículos Arbitrados Publicados

- retarders". *Optics and Laser Technology*, **42**, (2010), 403-408, ISSN: 0030-3992.
74. **N. Korneev-Zabello**. "Perturbation series for calculation of invariant surface splitting in volume-preserving maps". *Chaos*, **20**, 043102, (2010).
75. M. Durán-Sánchez, A. Flores-Rosas, R. I. Alvarez-Tamayo, **E. A. Kuzin**, O. Pottiez, M. Bello-Jimenez, B. Ibarra-Escamilla. "Fine adjustment of cavity loss by Sagnac loop for a dual wavelength generation". *Laser Physics*, **20**, 5, (2010), 1270-1273, ISSN: 1050-660X.
76. M. Bello-Jiménez, **E. A. Kuzin**, O. Pottiez, B. Ibarra-Escamilla, A. Flores-Rosas, M. Durán-Sánchez. "Experimental investigation of the extraction of solitons at the initial stage of the soliton formation process". *Optics Express*, **18**, 3, (2010), 2090-2099, ISSN: 1094-4087.
77. Carbajal-Domínguez, J. Bernal, A. Martín-Ruiz, **G. Martínez-Niconoff**. "Generation of joessel beams with controlled spatial coherence features". *Optics Express*, **18**, 8, (2010), 8400-8405.
78. S. Ostrovsky, M. A. Olvera, C. Rickenstorff, **G. Martínez-Niconoff**, V. Arrizón-Peña. "Generation of a secondary electromagnetic source with desired statistical properties". *Optics Communications*, **283**, (2010), 4490-4493.
79. R. Mack, J. P. Dahl, **H. Moya-Cessa**, W. T. Strunz, R. Walser, W. P. Schleich. "Riemann Zeta function from wave packet dynamics". *Physical Review*, A82, (2010), 032119-1-032119-15.
80. Pérez-Leija, **H. Moya-Cessa**, A. Szameit, D. N. Christodoulides. "Glauber-fock photonic lattices". *Optics Letters*, **35**, 14, (2010), 2409-2411.
81. **J. C. Ramírez-San Juan**, E. Rodríguez-Aboytes, A. E. Martínez-Canton, O. Baldovino-Pantaleón, A. Robledo-Martínez, N. Korneev-Zabello, R. Ramos-García. "Time resolved analysis of cavitation induced by CW lasers in absorbing liquids". *Optics Express*, **18**, (2010), 8735-8742.
82. **J. C. Ramírez-San Juan**, Y. C. Huang, N. J. Salazar-Hermenegildo, R. Ramos-García, J. Muñoz-López, B. Choi. "Integration of image exposure

Artículos Arbitrados Publicados

- time into modified-laser speckle imaging method". *Physics in Medicine and Biology*, **55**, 22, (2010), 6857-6866.
83. **F. J. Renero-Carrillo**. "Exploring fabrication tolerances of optical systems by solving inequalities". *Optik*, (2010), publicado en línea desde el 10 de abril de 2010.
84. S. Stepanov, F. Pérez-Cota, A. Nuñez-Quintero, **P. Rodríguez-Montero**, "Population gratings in rare-earth doped fibers for adaptive detection of laser induced ultrasound". *Journal of Holography and Speckle*, Vol. **5**, (2009), 303-309.
85. **A. Shcherbakov**, A. L. Muñoz-Zurita, A. Y. Kosarsky, J. Campos-Acosta. "Determining the time-frequency parameters of low-power bright picosecond optical pulses by using the interferometric technique". *Optik, International Journal for Light & Electron. Optics (Elsevier, Germany)*, **121**, (2010), 426-434.
86. **A. Shcherbakov**, D. Sánchez-Lucero, A. Luna-Castellanos, O. I. Belokurova. "Direct multi-channel optical spectrum analysis of radio-wave signals using collinear wave heterodyning in single acousto-optical cell". *Journal of Optics (UK)*, **12**, 4, (2010), 045203 (published electronically by April 01, 2010 at www.sciencedirect.com; doi:10.1088/20408978/12/4/045203).
87. **A. Shcherbakov**, A. Y. 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 (Elsevier, Germany)* (2010) (published electronically at: www.sciencedirect.com; doi:10.16/j.ijleo.2009.11.020).
88. **A. Shcherbakov**, I. Hernández-Romano. "Theoretical study of implementing an all-optical analogue-to-digital conversion based on the Mach-Zehnder interferometric configurations". *Optik, International Journal for Light & Electron. Optics (Elsevier, Germany)*, **121**, (2010), 1330-1336.
89. M. A. Rosales-Medina, M. Juárez-Aubry, E. López-Olazagasti, J. Ibarra-Galitzia, **E. Tepichín-Rodríguez**. "Anterior corneal profile with variable

Artículos Arbitrados Publicados

- asphericity". Journal for Biomedical Optics, **5**, issue 1 January (2010), vjbo.osa.org/virtual_issue.cfm (original in appl. opt., 48, 6594-6599 (2009).
90. Orduña-Díaz, **C. G. Treviño-Palacios**, M. Rojas-López, R. Delgado-Macuil, V. L. Gayou, A. Torres-Jacome. "FTIR and electrical characterization of a-Si:H layers deposited by PECVD at different boron ratios". Mater. Sci. Eng. B **174** 1-3 (2010), 93-96.
91. G. X. Ritter, **G. Urcid, Serrano**. "A lattice matrix method for hyperspectral image unmixing". Elsevier Journal of Information Sciences, DOI: 10.1016/j.ins.2010.03.022, April 2010.
92. D. Riveros-Rosas, J. Herrera-Vázquez, C. A. Pérez-Rábago, C. A. Arancibia-Bulnes, **S. Vázquez-Montiel**, M. Sánchez-González, F. O. Granados-Agustín, O. A. Jaramillo, C. A. Estrada. "Optical design of a high radiative flux solar furnace for Mexico". Solar Energy **84**, 5, (2010), 792-800.
93. A. Santiago-Alvarado, **S. Vázquez Montiel**, F. S. Granados-Agustín, J. González-García, E. Rueda-Soriano, M. Campos-García. "Measurement of aberrations of a solid elastic lenses using a point diffraction Interferometer". Optical Engineering, **49**, 12, 123401, (2010), 1-9.
94. **S. Vázquez-Montiel**, O. Garcia-Liévanos, J. A. Hernández-Cruz. "Spherical aberration correction using refractive-diffractive lenses with an analytic-numerical method". Advances in Optical Technologies, **2010?**, Article ID 783206,5, (2010).
783206-1-783206-5.
95. E. E. Orozco-Guillén, J. A. Delgado-Atencio, **S. Vázquez-Montiel**, J. Castro, A. E. Villanueva-Luna, F. Gutiérrez. "Diagnóstico de lesiones en la piel a partir de espectros de reflexión difusa empleando algoritmos computacionales: un estudio preliminar". Revista Cubana de Física, **27**, 1, (2010), 66-69.
96. **A. Cornejo-Rodríguez**. "The first years of optics in México and the publications in the "Boletín de los Observatorios Tonantzintla y Tacubaya". Revista Mexicana Astronomía y Astrofísica, **46A**, (2010).

Artículos Arbitrados Publicados

97. **A. Cornejo-Rodríguez**, R. Díaz-Urbe, R. Espejel-Morales, J. Jiménez-Mier, N. Korneev-Zavello, M. E. Ortíz, V. Romero-Rochin. "The IPM040 experimental exam". Revista Mexicana de Física, E, **56**, (2010), 144-158.
98. **Jaramillo-Núñez**, M. Pérez-Meza. "Medidor de distancias con referencia interferométrica". Revista Mexicana de Física, **56**, 1, (2010), 74-79.
99. Carbajal-Domínguez, J. B. Arroyo, J. E. Correa, **G. Martínez-Niconoff**. "Numerical calculation of near field scalar diffraction using angular spectrum plane waves theory and FFT". Revista Mexicana de Física E, 56, 2, (2010), 159-164.

Electrónica

100. "DC and AC electroluminescence in silicon nanoparticles embedded in silicon-rich oxide films" A Morales-Sánchez, J Barreto, C Domínguez, **M. Aceves-Mijares**, M Perálvarez, B Garrido and J A Luna-López. Nanotechnology 21 085710 doi:10.1088/0957-4484/21/8/085710,(2010).
101. "Proceso de grabado seco de silicio monocristalino para aplicaciones en guías de onda coplanares" R. Leal-Romero, I.E. Zaldivar-Huerta, J.A. Reynoso-Hernández, C. Reyes-Betanzo, M.C. Maya-Sánchez, and **M. Aceves-Mijares**. Revista Mexicana de Física 56 (1) 92–96 (2010).
102. "Photoconduction in silicon rich oxide films obtained by low pressure chemical vapor deposition" J. A. Luna-López, **M. Aceves-Mijares**, J. Carrillo-López, A. Morales-Sánchez. J. Vac. Sci. Technol. A 28(2), 170-174. (2010).
103. "Synthesis of light emitting SiO_x layers with calculable optical properties a first step to controlled integration of photoluminescent active compound in silicon based devices" R. Kiebach, A. Morales, K. Monfil, Z. Yu, E. Quiroga, **M. Aceves-Mijares**. Smart Nano composites Vol.1, No1. pp 41- 53, (2010).
104. "Self assembly of silicon nanoislands on crystalline silicon under a photoactive layer" R. Kiebach, **M. Aceves-Mijares**, Z. Yu, K. Monfil, J. W. Swart, G. O. Dias. Smart Nano composites Vol.1, No1. pp 31- 39, (2010).
105. "Topographic analysis of silicon nanoparticles-based electroluminescent devices" Morales-Sánchez, J. Barreto, C. Domínguez, **M. Aceves**, K.M.

Artículos Arbitrados Publicados

- Leyva, J.A. Luna-López, J. Carrillo, J. Pedraza. *Materials Science and Engineering B* 174, 123–126, (2010).
106. “Photoluminescence enhancement through silicon implantation on SRO-LPCVD films” A. Morales-Sánchez, K.M. Leyva, **M. Aceves**, J. Barreto, C. Domínguez, J.A. Luna-López, J. Carrillo J. Pedraza. *Materials Science and Engineering B* 174, 119–122, (2010).
107. “Intense whole area electroluminescence from low pressure chemical vapor deposition-silicon-rich oxide based light emitting capacitors” A. A. González Fernández, **M. Aceves Mijares**, A. Morales Sánchez, and K. M. Leyva. *Journal of Applied Physics* 108, 043105 (2010).
108. “Two-dimensional optical micro-scanner on silicon technology”, Gabriela Molar-Velázquez, Francisco J. Renero-Carrillo and **Wilfrido Calleja-Arriaga**. *Optik*, Elsevier, Vol. 121, 843-846, 2010.
109. “Effects of Wavelets Transcorneal-Stimulation on Low Vision Patients with Central Retinal Artery Occlusion CRAO”, D. Robles-Camarillo, L. Niño-de-Rivera, **Wilfrido Calleja Arriaga**, H. Quiroz-Mercado, and M. J. López-Miranda.. *Telecommunications and Radio*.
110. “Acquisition of Corneal Electrical Signals”, C. A. Herrera-Ramírez, J. A. Loaiza-Brito, D. Robles-Camarillo, L. Niño-de-Rivera, **Wilfrido Calleja Arriaga**, and J. M. Herrera-Ramírez. *Telecommunications and Radio Engineering*, Begell House, Vol. 69, No. 8 pp 711-717, 2010.
111. Charles Musoll-Anguiano, Ignacio Llamas-Garro, Zabdiel Brito-Brito, Lluís Pradell, and **Alonso Corona-Chavez**. “Fully Adaptable Band-Stop Filter Using Varactor Diodes”. *Wiley Interscience Microwave And Optical Technology Letters / Vol. 52, No. 3, March 2010*.
112. **Alonso Corona-Chavez**, Ignacio Llamas-Garro, and Michael J. Lancaster. “A High Temperature Superconducting Quasi-Elliptic notch Filter For Radioastronomy”. *Wiley Interscience Microwave And Optical Technology Letters / Vol. 52, No. 1, January 2010*.
113. **Tejinder Kaur Kataria**, **Alonso Corona-Chavez**, and D. V. B. Murthy. “A Half Mode Substrate Integrated Epsilon Near Zero Resonator And Notch Filter”. *Wiley Interscience, Microwave And Optical Technology Letters / Vol. 52, No. 8, August 2010*.



Artículos Arbitrados Publicados

114. Humberto Lobato-Morales, **Alonso Corona-Chávez**, D. V. B. Murthy, and José L. Olvera-Cervantes. "Complex permittivity measurements using cavity perturbation technique with substrate integrated waveguide cavities", Review of Scientific instruments 81, 064704-2010 Science citation index.
115. D. V. B. Murthy, **A. Corona-Chavez** and J. L. Olvera-Cervantes, "A Novel Ppsilon Near Zero (ENZ) Tunneling circuit using microstrip Technology for high integrability applications", Progress in Electromagnetics Research C., Vol.,15, 65 74, 2010.
116. D.V.B.Murthy, **Alonso Corona Chávez** and José L. Olvera-Cervantes, "Design and Development of Miniaturized Filters using Substrate Integrated Semicircular Cavities", Internacional Journal of Microwave and Optical Technology, Vol. 5 No. 5 September, 2010.
117. **Victor Champac**, Victor Avendaño, Joan Figueras, "Built-in Sensor for Signal Integrity Faults in Digital Interconnect Signals", IEEE Transactions on VLSI Systems, Volume 18, Issue 2, pages 256-269, February 2010.
118. "Exploiting magnetic sensing capabilities of Short Split-Drain MAGFETs", G. Santillán, **V. Champac**, R. Murphy, Solid State Electronics, Vol. 54, No. 11, noviembre 2010, pp.1239-1245.
119. Jesús E. Molinar-Solís, Víctor H. Ponce-Ponce, Rodolfo García-Lozano, **Alejandro Díaz-Sanchez**, J. Miguel Rocha-Pérez, "Electrical Parameters Extraction of CMOS Floating-Gate Inverters," Vol. XI. Num 3. 2010 315-323, ISSN 1405-7743.
120. "Optimized Reduction of Spur Tones in Fractional Frequency Synthesizers", Victor R. Gonzalez-Diaz, Miguel A. Garcia-Andrade, **Guillermo Espinosa Flores-Verdad**, Franco Maloberti. "Analog Integrated Circuits and Signal Processing", Ed. Springer, Vol. 65. No. 2. Pp. 245-251, 2010.
121. "Efficient Dithering in Mash Sigma-Delta Modulators for Fractional Frequency Synthesizers", Victor R. Gonzalez-Diaz, Miguel A. Garcia-Andrade, **Guillermo Espinosa Flores-Verdad**, Franco Maloberti, IEEE Transactions on Circuits and Systems I, Regular papers. Vol. 57 Vol. 11. Pp. 2394-2403, 2010.

Artículos Arbitrados Publicados

122. "Analogue wavelet transform with single biquad stage per scale", M.A. Gurrola-Navarro, **G. Espinosa Flores-Verdad**, Electronics Letters 29th April 2010 Vol. 46, No. 9. Pp. 616-618
123. P. J. García-R., J. Martínez-C., y **E. A Gutiérrez-D.**, "An on-chip magnetic probe based on MOSFET technology", aceptado para publicación en la Revista Mexicana de Física sección instrumentación. (Mayo 2010).
124. **E. A. Gutierrez-D.**, et al, "Magneto-modulation of gate leakage current in 65 nm nMOS transistors: Experimental, modeling, and simulation results", Solid-State Electronics Vol. 54, issue 9, pp. 1022-1026, September 2010.
125. **Luis Hernández-Martinez**, Arturo Sarmiento-Reyes, Miguel A. Gutierrez de Anda, "The topological conditions: "The properties of the pair of conjugate trees", Journal of Software Engineering & Applications, 2010, 3, 517-524.
126. Javier Diaz-Carmona, **Gordana Jovanovic-Dolecek** and Agustin Ramirez-Agundis "Frequency-Based Optimization Design for Fractional Delay FIR Filters with Software Defined Radio Applications," International Journal of Digital Multimedia Broadcasting, Special Issue: Spectrum Sharing and Sensing for Future Broadband Networks: The Cognitive Radio Technology, vol. 2010, Article ID 194306, 6 pages, 2010. doi:10.1155/2010/194306. (Indexed by INSPEC and Scopus)
127. **G. Jovanovic Dolecek** and M. Laddomadda, "An Economical Class of Droop-Compensated Generalized Comb Filters: Analysis and Design" IEEE Transactions on Circuits and Systems II: Express Brief, Vol 51, Issue 4, 2010, pp.275-279. (SCI Citation).
128. **G. Jovanovic Dolecek** and S. K. Mitra, "Two-Stage CIC Based Decimator with Improved Characteristics" IET Signal Processing, February 2010, vol.4, Issue 1, pp.22-29. (SCI Citation).
129. Mitra, Sanjit; Mondal, Kalyan; Tchobanou, Mikhail; **Jovanovic-Dolecek, Gordana**, "General Polynomial Factorization-Based Design of Sparse Periodic Linear Arrays", IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, September 2010, Vol.57, No.9, pp.1952-1966. SCIENCE CITATION INDEX.

Artículos Arbitrados Publicados

130. **G. Jovanovic Dolecek**, and Fernando Trejo, “Compensated CIC-Cosine Decimation Filter”, ECTI Transactions on Computer and Information Technology, vol.4, No.1, May 2010, ISSN 1905-050x ,pp.8-14 .
131. **G. Jovanovic Dolecek**, “Modified CIC filter for Rational Sample Rate Conversion”, ECTI Transactions on Computer and Information Technology, vol.4, No.1, May 2010, ISSN 1905-050x, pp.15-20 .
132. **A.Kosarev**, M.Moreno, A.Torres, S.Rumyantsev, I.Cosme. “Noise in microbolometers with silicon-germanium thermo-sensing layer”, Thin Solid Films, v.518, 3310-3312 (2010). I.Cosme –estudiante de doctorado.
133. **A.Kosarev**, S. Rumyantsev, A.Torres, S.Boubanga, W.Knap. “Si-x Ge-y:H-based micro-bolometers studied in the terahertz frequency range”, Solid State Electronics, v.54, 417-419 (2010).
134. **O. Malik**, F.J. de la Hidalga-W, Carlos Zúñiga-I, Jesús H. Abundis-P, “UV-Sensitive Optical Sensors Based on ITO-GaP Heterojunctions”, Phys. Stat. Sol. C 7, Wiley-VCH, No. 3-4, pp. 1176-1179, 2010.
135. “Using S-parameter measurements to determine the threshold voltage, gain factor, and mobility degradation factor for microwave bulk-MOSFETs”, G. Alvarez, R. Torres, **R. Murphy**, Microelectronics Reliability.
136. **Juan Manuel Ramirez-Cortes**, Pilar Gomez-Gil, Vicente Alarcon-Aquino, Jesus Gonzalez-Bernal, Angel Garcia-Pedrero, “Neural networks and SVM-based classification of leukocytes using the morphological pattern spectrum”, Soft Computing for Recognition based on Biometric, *Studies in Computational Intelligence*, Vol. 312, pp. 19-36, Springer, 2010. (*) Estudiante de Maestría en Ciencias, Computación.
137. P. Gomez-Gil, A. García-Pedrero, **J.M. Ramirez-Cortes**, “Composite Recurrent Neural Networks for Long Term Prediction of Highly Dynamic Time Series supported by Wavelet Decomposition”. *Soft Computing for Intelligent Control and Mobile Robotics*, Studies in Computational Intelligence, Vol. 318, pp. 253-268, Springer, 2010.
138. J.C. Galan-Hernandez, V. Alarcon-Aquino, O. Starostenko, and **J.M. Ramirez-Cortes**, “DWT Foveation-based Multiresolution Compression Algorithm”, Research in Computer Science, special issue: Advances in

Artículos Arbitrados Publicados

- Intelligent and Information Technologies, ISSN: 18770-4069, (Indexed in Latindex and Periodica), Vol. 50, , pp. 197-208, 2010.
139. V. Alarcon-Aquino, O. Starostenko, **J. M. Ramirez-Cortes**, P. Gomez-Gil, E.S. Garcia-Treviño, "Initialisation and Training Procedures for Wavelet Networks Applied to Chaotic Time Series", Vol. 1, No. 1, March, 2010. *International Journal of Engineering Intelligent Systems*, ISSN: 1472-8915, (Science Citation Index, and JCR) 2010.
140. **Juan Manuel Ramirez-Cortes**, Pilar Gomez-Gil, Vicente Alarcon-Aquino, Jorge Martinez-Carballido, Emmanuel Morales Flores(*), "FPGA-based educational platform for real time image processing experiments", *Computer Applications in Engineering Education*, DOI 10.1002/cae.20461, 2010. p.p. 90-95.
141. "Room-temperature deposition of crystalline patterned ZnO films by confined dewetting lithography". S. Sepulveda-Guzman, B. Reeja-Jayan, E. De la Rosa, U. Ortiz-Mendez, **C. Reyes-Betanzo**, R. Cruz-Silva, M- Jose-Yacaman. **Revista: Applied Surface Science**, 256(11), pp. 3386-3389, March 2010, ISSN: 0169-4332.
142. G. Zatorre, N. Medrano, **M.T. Sanz**, B. Calvo, P.A. Martínez, S. Celma, "Designing Adaptive Conditioning Electronics for Smart Sensing", *IEEE Sensors Journal*, vol. 10, no.4, pp. 831-838, 2010.
143. **E. Tlelo-Cuautle**, I. Guerra-Gómez, M.A. Duarte-Villaseñor, Luis G. de la Fraga, G. Flores-Becerra, G. Reyes-Salgado, C.A. Reyes-García, G. Rodríguez-Gómez, "Applications of evolutionary algorithms in the design automation of analog integrated circuits", *Journal of Applied Sciences*, vol. 10, no. 17, pp. 1859-1872, 2010. Ivick Guerra-Gómez y Miguel Aurelio Duarte-Villaseñor son estudiantes de Doctorado. Revista incluida en INSTITUTE FOR SCIENTIFIC INFORMATION.
144. Sánchez-López, R. Trejo-Guerra, J. M. Muñoz-Pacheco, **E. Tlelo-Cuautle**, "N-scroll chaotic attractors from saturated functions employing CCII+s, Nonlinear Dynamics", ISSN: 0924-090X (Print) 1573-269X (Online). R. Trejo-Guerra Revista incluida en SCIENCE CITATION INDEX.
145. R. Trejo-Guerra, **E. Tlelo-Cuautle**, J.M. Muñoz-Pacheco, C. Sánchez-López, C. Cruz-Hernández, "On the relation between the number of scrolls and the Lyapunov exponents in PWL-functions-based n-scroll chaotic

Artículos Arbitrados Publicados

- oscillators”, International Journal of Nonlinear Sciences & Numerical Simulation, vol. 11, no. 11, 2010. Revista en science citation index.
146. **E. Tlelo-Cuautle**, C. Sánchez-López, E. Martínez-Romero, Sheldon X.-D. Tan, “Symbolic analysis of analog circuits containing voltage mirrors and current mirrors”, Analog Integrated Circuits and Signal Processing, vol. 65, no. 1, pp. 89-95, October 2010. DOI: 10.1007/s10470-010-9455-y Elyoenai Martínez-Romero Revista en science citation index.
147. R. Trejo-Guerra, C. Sánchez-López, **E. Tlelo-Cuautle**, C. Cruz-Hernández, J.M. Muñoz-Pacheco, “Realization of multiscroll chaotic attractors by using current-feedback operational amplifiers”, Revista Mexicana de Física, vol. 56, no. 4, pp. 268-274, August 2010 Revista en science citation index y padrón del CONACyT.
148. C. Sánchez-López, F.V. Fernández, **E. Tlelo-Cuautle**, “Generalized Admittance Matrix Models of OTRAs and COAs”, Microelectronics Journal, vol. 41, no. 8, pp. 502-505, August 2010. DOI: 10.1016/j.mejo.2010.06.010 Revista en science citation index.
149. **Tlelo-Cuautle**, C. Sánchez-López, D. Moro-Frías, “Symbolic analysis of (MO)(I)CCI(II)(III)-based analog circuits”, International Journal of Circuit Theory and Applications, vol. 38, no. 6, pp. 649-659, August 2010. DOI: 10.1002/cta.582 Revista en science citation index.
150. C. Sánchez-López, R. Trejo-Guerra, J.M. Muñoz-Pacheco, **E. Tlelo-Cuautle**, “N-scroll chaotic attractors from saturated functions employing CCII+s, Nonlinear Dynamics”, vol. 61, no. 1-2, pp. 331-341, July 2010. DOI: 10.1007/s11071-009-9652-3 Revista en science citation index.
151. Roberto Ambrosio, Mario Moreno, Jose Mireles, **Alfonso Torres**, Andrey Kosarev and Aurelio Heredia; “An overview of uncooled infrared sensors technology based on amorphous silicon and silicon germanium alloys”, Phys. Status Solidi, Vol. C7, pp. 1180-1183, 2010.
152. Zuniga-I, A. Kosarev, **A. Torres-J**, P. Rosales-Q, W. Calleja, F.J. De la Hidalga-W, O. Malik, “Electrical characterization of a-C:H as dielectric material in metal-insulator-metal structures”, Phys. Stat. Sol. C 7, Wiley-VCH, No.- 3-4, pp. 808-811, 2010.

Artículos Arbitrados Publicados

153. Mario Moreno, Roberto Ambrosio, **Alfonso Torres**, Andrey Kosarev, Maria Gracia and Jose Mireles; “Measurements of thermal characteristics in silicon germanium un-cooled micro-bolometers”, *Phys. Status Solidi*, Vol. C7, pp. 1172-1175, 2010.
154. M. Rojas-López, A. Orduña-Díaz, R. Delgado-Macuil, V. L. Gayou, M. Bibbins-Martínez, **A. Torres-Jacome**, C.G. Treviño-Palacios. “a-Si:H crystallization from isothermal annealing and its dependence on the substrate used”, *Materials Science and Engineering B*, Vol. 174, pp. 137-140, 2010.
155. **R. Torres-Torres**, R. Venegas, and S. Decoutere, “Transmission Line Characterization on Silicon Considering Arbitrary Distribution of the Series and Shunt Pad Parasitics,” *Solid-State Electronics*, Vol. 54, No. 3, pp. 235-242, 2010. ISSN: 0038-1101.
156. **Reydezel Torres-Torres** and Svetlana C. Sejas-García, “Extraction of the Model Parameters for the Attenuation in Printed Transmission Lines,” *IEEE Microwave and Wireless Components Letters*, Vol. 20, No. 12, pp 654–656, Dec. 2010. ISSN: 1531-1309.
157. Miguel A. Tlaxcalteco-Matus and **Reydezel Torres-Torres**, “Systematic Modeling and Characterization of a Via-to-SIW Transition,” *IEEE Microwave and Wireless Components Letters*, Vol. 20, No. 12, pp. 657–659, Dec. 2010. ISSN: 1531-1309.
158. “Study of fluorescence of yttrium doped Zinc sulfide nanoparticles”, V.L.Gayou, B.Salazar-Hernández, M.Rojas-Lopez, **C.Zuñiga Islas**, J.A. Ascencio, *Journal of Nano Research*, Vol 9 (2010), pp 139-143.
159. **Jorge R. Zurita-Sánchez**, “Quasi-static electromagnetic fields created by an electric dipole in the vicinity of a dielectric sphere”: Method of images, *Rev. Mex. Fís.* 55, 443-449 (2009)
160. **Jorge R. Zurita-Sánchez** y P. Halevi, “Resonances in the optical response of a slab with time-periodic dielectric function” $\epsilon(t)$, *Phys. Rev. A* 81, 053834 (2010).
161. “Resonador Sensor de Masa: Desarrollo y Métodos de Medición”, S. Alcántara, B.S. Soto, J. Pérez, **Wilfrido Calleja Arriaga**, G. Romero, M.

Artículos Arbitrados Publicados

Galindo y M. Duarte. Revista Superficies y Vacío, Vol. 23, No. 3, Págs 1-5, 2010 (Padrón Conacyt)

162. R. Leal-Romero, **I. E. Zaldivar-Huerta**, J. A. Reynoso-Hernández, C. Reyes-Betanzo, M. C. Maya-Sánchez, M. Aceves-Mijares, "Proceso de grabado seco de silicio monocristalino para aplicaciones en guías de onda coplanares", Revista Mexicana de Física, 56(1) 92-96, Febrero 2010, ISSN 0035-001X.

Ciencias Computacionales

163. "Reference Fields Analysis of a Markov Random Field Model to Improve Image Segmentation". E. D. López-Espinoza, **L. Altamirano-Robles**. Journal of Applied Research and Technology, Vol.8 No.2 August 2010, ISSN Impreso:1665-6423. pp 260-273.
164. "Parallel Processor for 3D Recovery from Optical Flow," **José Hugo Barrón-Zambrano, Fernando Martín del Campo-Ramírez, Miguel Arias-Estrada**, for accepted International Journal of Reconfigurable Computing. Volume 2009 (2009), Article ID 973475, 11 pages. ISSN: 1687-7195, e-ISSN: 1687-7209. doi:10.1155/2009/973475. Publisher January 2010. [Abstracting/Indexing: * ACM Guide to Computing Literature; * Computers and Applied Sciences Complete; * CSA Illustrata – Technology; * CSA Technology Research Database; * Current Abstracts; * Directory of Open Access Journals (DOAJ); * Google Scholar; * INSPEC;* Open J-Gate;* Scopus.* The Informatics Portal io-port.net].
165. "A review of instance selection methods", **Olvera-Lopez JA, Carrasco-Ochoa JA, Martínez-Trinidad JF**, Kittler J, Artificial Intelligence Review, Volume: 34(2), pp. 133-143, 2010. August 2010.
166. "Full duplicate candidate pruning for frequent connected subgraph mining", **Gago-Alonso A, Carrasco-Ochoa JA, Medina-Pagola JE, Martínez-Trinidad JF**, Integrated Computer-Aided Engineering, Volume: 17(3), pp. 211-225, 2010. on line August 2010.
167. "A new fast prototype selection method based on clustering". **J. Arturo Olvera López, J. Ariel Carrasco Ochoa, J. Fco. Martínez Trinidad**. Pattern Analysis & Applications. Springer. ISSN: 1433-7541 (Print) 1433-

Artículos Arbitrados Publicados

- 755X (Online). Volume 13, Number 2 / mayo de 2010. Pp. 131-141. [Indexado por JCR].
168. "Algorithms for Mining Frequent Itemsets in Static and Dynamic Dataset". **R Hernández-León**, J Hernández Planear, **Jesús A. Carrasco-Ochoa**, José E. Medina Pagola and **José Fco. Martínez-Trinidad**. Intelligent Data Analysis (IDA) Journal. ISSN: 1088-467X. Volume 14, Number 3, 2010. Pp. 419-435[Indexado por JCR] on line May 2010.
169. "A New Algorithm for Mining Frequent Connected Subgraphs based on Adjacency Matrices". **Andrés Gago-Alonso**, Abel Puentes-Luberta, **Jesús A. Carrasco Ochoa**, **José Fco. Martínez-Trinidad**. Intelligent Data Analysis (IDA) Journal. ISSN: 1088-467X. Volume 14, Number 3 2010. Pp. 385-403[Indexado por JCR]on line May 2010.
170. "Prototype Selection Methods". **José Arturo Olivera-López**, **J. A. Carrasco-Ochoa** and **J. Fco. Martínez-Trinidad**. Computación y Sistemas (2010) Volumen 13 No. 4. April-June 2010. Pp. 449-462.
171. "Hardware Architecture for Adaptive Filtering based on Energy-CFAR processor for Radar Target Detection," **Santos López-Estrada**, **René Cumplido**. IEICE Electronics Express, Vol. 7, No. 9, ISSN: 1349-2543. pp. 628-633, May 2010. DOI: 10.1587/elex.7.628. Journal indexed in JCR.
172. "A Versatile Hardware Architecture for a Constant False Alarm Rate Processor Based on a Linear Insertion Sorter," Roberto Perez-Andrade, **René Cumplido**, **Claudia Feregrino-Uribe**, Fernando Martin Del Campo. Digital Signal Processing, Volume 20, Issue 6, December 2010, Pages 1733-1747. ISSN 1051-2004, DOI: 10.1016/j.dsp.2010.02.001. Journal indexed in JCR. December 2010.
173. "Improving the security of Fallahpour's audio watermarking scheme," Jose Juan Garcia-Hernandez, **Claudia Feregrino-Uribe**, **René Cumplido** and Ramon Parra-Michel. IEICE Electronics Express, Vol. 7, No. 9, pp. 628-633, May 2010. DOI: 10.1587/elex.7.628. Journal indexed in JCR.
174. "Efficient hardware architecture for the AES-CCM protocol of the IEEE 802.11i standard". **Ignacio Algreto-Badillo**, **Claudia Feregrino-Uribe**, **René Cumplido**, **Miguel Morales-Sandoval**. Elsevier Computers and Electrical Engineering, Vol. 36, Issue 3, May, 2010. ISSN: 0045-7906. pp. 565-577. JCR Index.

Artículos Arbitrados Publicados

175. "A single formula and its implementation in FPGA for elliptic curve point addition using affine representation" **Miguel Morales-Sandoval, Claudia Feregrino-Urbe, René Cumplido, Ignacio Algreto-Badillo**, Journal of Circuits, Systems and Computers. Volume: 19, Issue: 2(2010). ISSN: 0218-1266. pp. 425-433. DOI: 10.1142/S0218126610006153. World Scientific Publishing. Journal indexed in JCR.
176. "The Segmented and Annotated IAPR-TC12 Benchmark". **H. Jair Escalante, Carlos A. Hernández, Jesús A. González, Aurelio López, Manuel Montes, Eduardo Morales, Enrique Sucar, Luis Villaseñor, Michael Grubinger**. Journal of Computer Vision and Image Understanding, Volume 114, Issue 4, April 2010. ISSN: 1077-3142, Imprint: ACADEMIC PRESS. Pp 419-428. (Indexada en Science JCR)
177. "LCMine: An efficient algorithm for mining discriminative regularities and its application in supervised classification", **Garcia-Borroto M, Martínez-Trinidad JF, Carrasco-Ochoa JA**, Medina-Perez MA, Ruiz-Shulcloper J, Journal of Pattern Recognition, Volume 43(9), pp. 3025-3034, 2010. September 2010.
178. "Fast Most Similar Neighbor (MSN) classifiers for Mixed Data," **Selene Hernández Rodríguez, José Fco. Martínez-Trinidad and J. Ariel Carrasco-Ochoa**, Computacion y Sistemas, volume 14(1), pp. 73-85, 2010. September 2010.
179. "Finding Maximal Sequential Patterns in Text Document Collections and Single Documents". **René A. García-Hernández, J. Fco. Martínez-Trinidad and J. Ariel Carrasco-Ochoa**. Informatica Volumen 34 Number 1 March 2010. ISSN: 0350-5596. Pp. 93-101. [Abstracting/Indexing: * ACM Digital Library * Citeseer * COBISS * Compendex * Computer & Information Systems Abstracts * Computer Database * Computer Science Index * DBLP Computer Science Bibliography * Directory of Open Access Journals * Google Scholar * InfoTrac OneFile * Inspec * Linguistic and Language Behaviour Abstracts * Mathematical Reviews, MatSciNet, MatSci on SilverPlatter and Current Mathematical Publications * Scopus * Zentralblatt Math].
180. "Fast k most similar neighbor classifier for mixed data (tree k-MSN)" **Selene Hernández-Rodríguez, J. Fco Martínez-Trinidad, J. Ariel Carrasco-**

Artículos Arbitrados Publicados

- Ochoa.** Pattern Recognition. ISSN 0031-3203). Volume 43, Issue 3 (March, 2010). Pages 873-886. Journal indexed in JCR.
181. “Towards Multi-Stream Question Answering using Answer Validation”. **Alberto Téllez-Valero, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda,** Anselmo Peñas-Padilla. Informatica, Vol 34, No 1, March 2010. Print edition ISSN: 0350-5596, Web edition ISSN: 1854-3871. Pp. 45-54. [Abstracting/Indexing: * ACM Digital Library * Citeseer * COBISS * Compendex * Computer & Information Systems Abstracts * Computer Database * Computer Science Index * DBLP Computer Science Bibliography * Directory of Open Access Journals * Google Scholar * InfoTrac OneFile * Inspec * Linguistic and Language Behaviour Abstracts * Mathematical Reviews, MatSciNet, MatSci on SilverPlatter and Current Mathematical Publications * Scopus * Zentralblatt Math].
182. “Relational Reinforcement Learning with Continuous Actions by Combining Behavioral Cloning and Locally Weighted Regression”. **Julio Hernández Zaragoza, Eduardo F. Morales** (2010). Journal of Intelligent Learning Systems and Applications. ISSN Print: 2150-8402, ISSN Online: 2150-8410. Volume 2, Number 2 (May 2010) PP.:69-79. [Indexing: *The Library of Congress <http://lccn.loc.gov/2009202886>; *Gale: http://www.gale.cengage.com/product_sites/index.htm; *Academic OneFile: <http://www.gale.cengage.co.uk/aone/>]
183. An Efficient Causal Ordering Algorithm for Multicast Communication Channels. **Saul E. Pomares Hernandez, Luis A. Morales Rosales,** Jean Fanchon. International Journal of Parallel, Emergent and Distributed Systems, Taylor & Francis. Volume 25, Issue 1 February 2010 , pages 17 – 36. ISSN: 1744-5779 (electronic) 1744-5760 (paper) [Abstracting/Indexing: Zentralblatt MATH/Mathematics Abstracts; Mathematical Reviews/MathSciNet; New Jour; SciBase; Scopus; Zetoc; British Library Inside and EBSCO Databases]
184. “An Efficient Causal Protocol with Forward Error Correction for Mobile Distributed Systems”. **Eduardo Lopez Dominguez, Saul E. Pomares Hernandez, Gustavo Rodriguez Gomez** and Maria A. Medina, Jose A. Munoz Gomez. Journal of Computer Science, Eds. Science Publications, Vol. 6 No. 7, 2010, pp. 756-768, ISSN: 1549-3636. (Abstracting/Indexing: SCOPUS, EBSCO, Ulrich. URL: <http://www.thescipub.com/abstract/10.3844/jcssp.2010.756.768>)



Artículos Arbitrados Publicados

185. “Inductive Transfer for Learning Bayesian Networks”. Rogger Luis-Velázquez, **L.Enrique Sucar**, **Eduardo F. Morales** (2010). Machine Learning ISSN: 0885-6125 (Print) 1573-0565 (Online). Volume 79, Numbers 1-2 / mayo de 2010. PP. 227–255. Journal indexed in JCR.

186. The Corpus DIMEx100: Transcription and evaluation. Luis A. Pineda, Hayde Castellanos, Javier Cuétara, Lucian Galescu, Janet Juarez, Joaquim Llisterri, Patricia Pérez and **Luis Villaseñor**. Language Resources and Evaluation. Volume 44, Num. 4, pp. 347-370, December 2010, Springer. (en JCR).