



## Artículos Arbitrados Aceptados

### ASTROFISICA

1. Koulouridis, E., **Chavushyan, V.**, **Plionis, M.**, Krongold, Y., Dultzin-Hacyan, D., "A 3-Dimensional Study of the Local Environment of Bright IRAS Galaxies: The AGN/Starburst connection", ApJ, Junio 2006.
2. Ilić, D., Popović, L.C., Bon, E., Mediavilla, E., **Chavushyan, V.H.**, "Stratification in the line emission region of Mrk 817", MNRAS, Mayo 2006.
3. Cabre, A., **Gaztanaga, E.**, Manera, M., Fosalba, P., and Castander, F. "Cross-correlation of WMAP 3rd year and the SDSS DR4 galaxy survey New" JOURNAL: Monthly Notices of the Royal Astronomical Society, astro-ph/0603690, 2006
4. **Lekht E.E.**, Trinidad M.A., **Mendoza-Torres J.E.**, Rudnitskij G.M., "Time variation of the water maser in ON2", A&A., Abril 2006.
5. **Lekht E.E.**, **Silant'ev N.A.**, Krasnov V.V., Munitsyn V.A., "Evolution of the H<sub>2</sub>O maser emission in G10.6-0.4", A.R., Febrero 2006.
6. **Lekht E.E.**, Munitsyn V.A, Krasnov V.V., "The structure of the chain type in the NGC7538N vapor water maser", AR., Junio 2006.
7. Ramírez Hernández O., **Lekht E.E.**, Tolmachev A.M., "The separated components evolution of the H<sub>2</sub>O maser in Sgr B2", AR, Junio 2006.
8. **Mayya, Y.D.**, Bressan, A., **Carrasco, L.**, Hernández, L., "Star Formation History of the Disk of the Starburst galaxy M82", ApJ., Mayo, 2006.
9. Lara A., Gopalswamy, N., Xie H., **Mendoza-Torres E.**, Pérez-Enriquez R., Michalek G. "Are Halo CME's special events?", JGR, 2006.
10. **Plionis, M.**, Basilakos, S., Ragone-Figueroa, C., "Morphological & Dynamical Properties of Low Redshift 2dFGRS Groups", ApJ.
11. **Silant'ev N.A.**, **Lekht E.E.**, **Mendoza-Torres J.E.**, Rudnitskij G.M., "Influence of turbulence on the shape of a spectral line", A&A, Marzo, 2006.

---

### Artículos Arbitrados Aceptados

12. **Silant'ev, N.A.**, "Polarization of radiation in turbulent magnetized atmospheres", AR, Junio 2006.
13. Hagele, G., Pérez-Montero, E., Díaz, A., **Terlevich, E., Terlevich, R.**, "The temperatura and ionization structure of the emitting gas in HII galaxias:Implications for the accuracy of abundance determination", MNRAS.
14. **Tovmassian, H.M.**, Tiersch, H., **Chavushyan, V.H.**, Tovmassian, G.H., Navarro, S. G, Neizvestny,.S., **Torres-Papaqui, J.P.** Rudnitski, G.M., "Photometric and spectroscopic study of Shakhbazian compact galaxy groups ShCG 254, ShCG 257, ShCG 351, and ShCG 371", A R, Marzo, 2006.
15. **Tovmassian, H.M., Plionis, M., Torres-Papaqui, J.P.**, "Physical properties of Hickson compact groups and of the loose groups within which they are embedded", A&A, Mayo 2006.
16. P. Panuzzo, O. Vega, A. Bressan, L. Buson, M. Clemens, R. Rampazzo, L. Silva, **J. R. Valdes**, G. L. Granato, L. Danese. The Star Formation History of the Virgo early-type galaxy NGC~4435: the Spitzer Mid Infrared view. aceptado en Astrophysical Journal

### OPTICA

17. C. Meneses-Fabian, G. Rodríguez-Zurita, J. F. Vázquez-Castillo, C. Robledo-Sánchez, **V. Arrizón-Peña**. "Common-path phase-shifting interferometer with binary grating". Optics Commun, (2006).
18. **A. Castro-Ibarra**, J. Ojeda-Castañeda, A. W. Lohmann. "Bow tie effect: differential operator". Applied Optics, (2006).
19. R. Fischer, D. N. Neshev, W. Krolikowski, Y. S. Kivshar, **M. D. Iturbe-Castillo**, S. Chávez-Cerda, M. R. Meneghetti, D. P. Caetano, J. M. Hickmann. "Oblique interaction of spatial dark-soliton stripes in nonlocal media". Optics Letters, (2006).
20. 4. **A. Jaramillo-Nuñez**, M. Lucero-Alvarez. "Optical laser level". Opt. Eng., (2006).

---

### Artículos Arbitrados Aceptados

21. **R. Ramos-García**, I. Lazo-Martínez, I. Guizar-Iturbide, A. Sánchez-Castillo, M. Buffety, P. Rük. "Colossal nonlinear optical effect in dye-doped liquid crystals". *Molecular Crystals and Liquid Crystal*, (2006).
22. S. Stepanov, **P. Rodríguez-Montero**, **S. Mansurova**, M. L. Arroyo-Carrasco, S. Trivedi, C. C. Wang. "Wavelength dependence of the photo-electromotive-force effect in CdTe: V cristal with bipolar photoconductivity". *Optical Materials*, (2006).
23. **P. Rodríguez-Montero**, S. Stepanov, C. C. Wang, S. Trivedi. "Laser ultrasound detection by CdTe: V monopolar photo-EMF detector with responsivity close to theoretical limit". *Nondestructive Testing and Evaluation*, (2006).
24. 9. **A. Shcherbakov**, A. Aguirre-López. "Wave multiplication of binary encoded data exploiting solitary multi-pulse non-collinear three-wave coupled states". *Journal of Optics A: Pure and Applied Optics*, (2006).
25. 10. **A. Shcherbakov**, A. Yu. Kosarsky, M. Sánchez-Sánchez, V. N. Zvegitshev. "Application of picosecond optical guiding-center solitons in single-mode fibers to precise synchronization of a radio-interferometer". *Optik-International Journal for Light and Electron Optics*, (2006).
26. 11. A. Padilla-Vivanco, **G. Urcid-Serrano**, F. Granados-Agustín, A. Cornejo-Rodríguez. "Comparative analysis of pattern reconstruction using orthogonal ments". *Optical Engineering*, (2006).
27. J. J. Sánchez-Escobar, J. H. Pascual-Alonso, **S. Vázquez-Montiel**. "Obtaining the wavefront aberration of a real interferogram by use of a hybrid genetic algorithm". *Optical Engineering*, (2006).
28. M. Ibáñez-Porras<sup>1</sup>, **J. J. Báez-Rojas**, J. A. Delgado Atencio<sup>1</sup>, J. C. Conde-Acevedo. "Medición de la transmitancia espectral de filtros de gelatina". *Rev. Mex. Fis.*, (2006).
29. K. Volke-Sepúlveda, I. Ricardez-Vargas, **R. Ramos-García**. "Pinzas ópticas: Las delicadas manos de la luz". *Ciencia*, (2006).
30. 15. A. M. Pérez-González, C. Santiago-Tepantlan, **F. Renero-Carrillo**. "Propiedades ópticas de películas delgadas de CdSe obtenidas por rocío pirolítico". *Rev. Mex. Fís*, (2006).



## Artículos Arbitrados Aceptados

31. **A. Shcherbakov**, A. Aguirre-López. "Experimental modeling of algorithms and components for all-optical high-bit-rate digital processors-multipliers using light bullets". Rev. Mex. Fís, (2006).

### ELECTRONICA

32. Israel Suaste-Rivas, **Alejandro Díaz-Méndez** and **Carlos A. Reyes-García**, Orion F. Reyes-Galaviz, "Hybrid Neural Network Design and Implementation on FPGA for Infant Cry Recognition", to be published in Lecture Notes in Computer Science: TSD 2006; Edited by Petr Sojka, Ivan Kopecek and Karel Pala, Springer, Berlin, 2006, ISSN 0302-9743. (to appear in September 2006).
33. G. Burlak, **V.Grimalsky**, "High quality electromagnetic oscillations in inhomogeneous coated microsphere". Optics Communications, 2006 (Netherlands, Elsevier Publ.).
34. **V. V.Grimalsky**, S. V. Koshevaya, R. Pérez-Enriquez, and A. N. Kotsarenko, "Interaction of linear and nonlinear ion-sound waves with inclusions of dusty plasma". Physica Scripta, 2006 (Sweden, United Kingdom, Institute of Physics Publ.).
35. A. Fernández Vázquez, **G. Jovanovic Dolecek**: "A New Method for the Design of IIR Filters with Flat Magnitude Response" Aceptado para la revista: IEEE Transactions on Circuits and Systems-I: Regular papers. ( Se va publicar en Agosto 2006 en vol.53). ( SCI citation index).
36. **G. Jovanovic Dolecek**, and S. K. Mitra, "Symbolic Sensitivity Analysis of IIR Digital Filters Using MATLAB," Accepted for Special Issue of the International Journal of Control on the Use of Computer Algebra Systems for Computer Aided Control System Design, 2006.
37. F. Mendoza-Hernandez, **M. Linares-Aranda**, and **V. Champac**. "Noise tolerance improvement in dynamic CMOS logic circuits". Revista IEE Proceedings: Circuits, Devices & Systems.



### Artículos Arbitrados Aceptados

38. **O. Malik, V. Grimalsky, J. De la Hidalga-W**, "Behavior of an Optical Sensor Based on Non-Ideal Silicon Capacitors: From Amplification to Generation", ARTICLE, Sensors and Actuators A: Physical, Elsevier, In Press, Corrected Proof, Available online 17 February 2006.
39. **O. Malik, V. Grimalsky, J. De la Hidalga-W, P. Pasos-Canul**, "Current Gain in Silicon Near-Infrared Optical Sensor Containing Multiple L-H Junctions", ARTICLE, Sensors and Actuators A: Physical, , Elsevier, In Press, Corrected Proof, Available online 20 February 2006.
40. Carlos A. De La Cruz Blas, Antonio López-Martín, Alfonso Carlosena, **Arturo Sarmiento-Reyes**, "Multiple operating points in a square-root domain first-order filter", aceptado al International Journal on Circuit Theory and applications.
41. J. Plaza-Castillo, N. Torres-López, **E. Tlelo-Cuautle, A. Torres-Jácome**, "Solution of the surface potential for silicon-semiconductors at high levels of concentrations and higher depths", Modelling, Control and Application; An added volume of DCDIS Journal, Series B: Applications and Algorithms, Watam Press, Waterloo, ISSN: 1492-8760, May 2006. INDEXADA SCI.
42. Plaza-Castillo **E. Tlelo-Cuautle**, A. Gaona-Hernández, J. García-Delgado, "Implementation of a chaotic oscillator by designing Chua's diode with CMOS CFOAs", Analog Integrated Circuits and Signal Processing, ISSN: **0925-1030**, a publicarse en Agosto 2006. INDEXADA SCI. A. Gaona-Hernández fue becado por INAOE para Tesis de Licenciatura de la BUAP. J. García-Delgado es Profesor de la BUAP.
43. **E. Tlelo-Cuautle**, M.A. Duarte-Villaseñor, "Designing Chua's circuit from the behavioral to the transistor level of abstraction", Applied Mathematics and Computation, in press 2006. INDEXADA SCI.
44. Arllene M. Pérez, César Santiago, **Francisco Renero, Carlos Zúñiga**, "Optical properties of amorphous hydrogenated Silicon Nitride thin films", Optical Engineering.



## Artículos Arbitrados Aceptados

### CIENCIAS COMPUTACIONALES

45. Edith Hernández-Reyes, René A. García-Hernández, **J. A. Carrasco-Ochoa** and **J. Fco. Martínez-Trinidad**. "Document Clustering Based on Maximal Frequent Sequences". FinTal 2006. Turku, Finland, August 2006. Lecture Notes in Artificial Intelligence, Springer 2006.
46. **Manuel Montes-y-Gómez, Luis Villaseñor-Pineda**, Manuel Pérez-Coutiño, José Manuel Gómez-Soriano, Emilio Sanchís-Arnal, Paolo Rosso. "A Full Data-Driven System for Multiple Language Question Answering". CLEF 2005, Vienna, Austria, Revised Selected Papers. Lecture Notes in Computer Science, Vol. 4022, Springer, 2006. (forthcoming)
47. Manuel Pérez-Coutiño, **Manuel Montes-y-Gómez, Aurelio López-López and Luis Villaseñor-Pineda**. "The role of lexical features in Question Answering for Spanish". CLEF 2005, Vienna, Austria, Revised Selected Papers. Lecture Notes in Computer Science, Vol. 4022, Springer, 2006. (forthcoming)
48. Claudia Denicia-Carral, **Manuel Montes-y-Gómez, Luis Villaseñor-Pineda**, René García Hernández. "A Text Mining Approach for Definition Question Answering". FinTal 2006. Turku, Finland, August 2006. Lecture Notes in Artificial Intelligence, Springer 2006.
49. L. Romero, **E. F. Morales, L.E. Sucar**, "An Exploration and Navigation Approach for Indoor Mobile Robots Considering Sensors' Perceptual Limitations." International Journal of Advanced Robotic Systems (aceptado para publicación, marzo 2006).
50. C. E. Mariano-Romero. V. H. Alcocer-Yamanaka, **E. F. Morales**. "Multi-Objective Optimization of Water-using Systems". European Journal of Operational Research (aceptado para publicación, 2006)
51. González-Brambila, **Eduardo F. Morales**. "Automatic Generation of Explanations: AGE. S. B." Engineering Applications of Artificial Intelligence. (Aceptado para publicación, 2006).



### Artículos Arbitrados Aceptados

52. M. Larre, J. Torres, **E. Morales**, J. Frausto, S. Torres. "MONIL Language, an alternative for data integration". Computación y Sistemas (aceptado para publicarse en Computación y Sistemas9 (3): ISSN:1405-5546).
53. **Saul E. Pomares Hernandez**, Luis Alberto Morales Rosales, Jean Fanchon and Khalil Drira. "An efficient Causal Multi-group communication algorithm based on the Immediate Dependency Constraints". Aceptado en: LNCS, Springer Verlag.
54. Eduardo López Domínguez, Luis Alberto Morales Rosales, **Saúl Pomares Hernández**. "A Mechanism to Synchronize Distributed Continuous Media in Unreliable Networks". Aceptado en: LNCS, Springer Verlag.
55. Luis A. Morales Rosales, **Saúl E. Pomares Hernández**. "A Temporal Synchronization Mechanism for Real-Time Distributed Continuous Media". Aceptado en: LNCS, Springer Verlag.
56. Sandra E. Barajas-Montiel, **Carlos A. Reyes-García**, Emilio Arch-Tirado, & Mario Mandujano, "Improving Baby Caring with Automatic Infant Cry Recognition", Accepted for Lecture Notes on Computer Science.
57. Sandra E. Barajas-Montiel and **Carlos A. Reyes-García**, "Fuzzy Support Vector Machines for Automatic Infant Cry Recognition"accepted Lecture Notes in Control and Information Sciences (LNCIS)
58. Agustín León-Barranco, **Carlos A. Reyes-García**, and Ramón Zatarain-Cabada, "A Hybrid Fuzzy-Genetic Algorithm", accepted for Lecture Notes in Computer Sciences (LNCS).
59. M. Martínez, **L.E. Sucar**, H.G. Acosta, N. Cruz, "Bayesian model combination and its application to cervical cancer detection"Lecture Notes in Artificial Intelligence, Springer-Verlag (aceptado para publicación, mayo 2006).
60. **César Torres-Huitzil**, "A Bit-stream Pulse-based Digital Neuron Model for Neural Networks", ICONIP2006, Hong Kong, October 2006, accepted to be published in Lecture Notes on Computer Science, LCNS



## Artículos Arbitrados Aceptados

61. Esaú Villatoro-Tello, **Luis Villaseñor-Pineda** and **Manuel Montes-y-Gómez**. "Using Word Sequences for Text Summarization". TSD 2006. Brno, Czech Republic, September 2006. Lecture Notes in Artificial Intelligence, Springer 2006.
  
62. Ana Lilia Reyes-Herrera, **Luis Villaseñor-Pineda** and **Manuel Montes-y-Gómez**. "A Straightforward Method for Automatic Identification of Marginal Languages". FinTal 2006. Turku, Finland, August 2006. Lecture Notes in Artificial Intelligence, Springer 2006.