
Artículos Aceptados con Arbitraje

ASTROFISICA

1. Popovi, L.C., Shapovalova, A.I., Chavushyan, V.H., Ili, D., Burenkov, A.N., Mercado, A., Ciroi, S., Bochkarev, N.G., "Probing the Physical Properties of the NGC 5548 BLR Using Balmer Lines", PASJ.
2. Shapovalova, A.I., Popović, L.C., Burenkov, A.N., Chavushyan, V.H., Collin, S., Bochkarev, N.G., Benítez, E., Dultzin-Hacyan, D., Kovacevic, A., Borisov, N., Carrasco, L., León-Tavares, J., Mercado, A., Valdes, J.R., Vlasuyk, V.V., Zhdanova, V.E., "Long-term variability of the optical spectra of NGC 4151: I. Light curves and flux correlations", A&A.
3. Chapin, E. L., Ade, P. A. R., Bock, J. J., Brunt, C., Devlin, M. J., Dicker, S., 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., Pascale, E., 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 4 sq. deg Galactic Plane Survey in Vulpecula (l=59)", ApJ.
4. Pashchenko, M.I., Tolmachev, A.M., Lekth, E. E., "Maser emission in direction of the very young massive star GH20 092.67+03.07 (IRAS 20126+4104), AR
5. Gutermuth, R. A., Myers, P. C., Megeath, S. T., Allen, L. E., Pipher, J. L., Muzerolle, J., Porras, A., Winston, E., Fazio, G., "Spitzer Observations of NGC1333: A Study of Structure and Evolution in a Nearby Embedded Cluster", ApJ.
6. Silantyev, N. A., Alexeeva, G. A., "Influence of temperature fluctuations on the spectra of cosmic objects", A&A
7. N. A. Silantyev, Yu. N., Gnedin, "Polarization of radiation of point – like source reflected from turbulent magnetized atmosphere", A&A.
8. Martin Manjon, M., Molla, M., Díaz, A. I., Terlevich, R., "The evolution of HII galaxies: Testing the bursting scenario through the use of self-consistent models", MNRAS.
9. Tovmassian, H. M., Rodríguez, M., Yam, "On the Galactic Absorption", AJ.
10. Tovmassian, H.M. Tiersch, H. , ""Photometric and spectroscopic study of seven Shakhbazian compact galaxy groups", RMAA

Artículos Aceptados con Arbitraje

OPTICA

11. C. Gutiérrez-Martínez, J. Santos-Aguilar, R. Ochoa-Valiente. "An all fibre and integrated optics electric field sensing scheme using matched optical delays and coherence modulation of Light". *Measurement Science and Technology*, (2007).
12. C. Gutiérrez-Martínez, J. Santos-Aguilar. "Electric field sensing scheme based on matched $L_1\text{NbO}_3$ electrooptic retarders". *IEEE Transactions on Instrumentation and Measurement*, (2007).
13. B. Ibarra-Escamilla, O. Pottiez, E. A. Kuzin, J. W. Haus, R. Grajales-Coutiño, P. Zaca-Morán. "Experimental investigation of self-starting operation in a F8L based on a symmetrical NOLM". *Optics Communications*, (2007).
14. O. Pottiez, B. Ibarra-Escamilla, E. A. Kuzin. "Analysis of a polarisation-maintaining NOLM switch for OTDM applications". *Optics Communications*, (2007).
15. O. Pottiez, B. Ibarra-Escamilla, E. A. Kuzin. "Optical pulse shaping at moderate power using a twisted-fibre NOLM with single output". *Optics Communications*, (2007).
16. N. Korneev-Zabello. "Regular approximations to chaotic maps". *Chaos*, (2007).
17. R. Rojas-Laguna, J. Gutiérrez-Gutiérrez, E. A. Kuzin, B. Ibarra-Escamilla, M. Bello-Jiménez, J. M. Estudillo-Ayala, A. Flores-Rosas. "Nonlinear optical correction of the pulse shape from a directly modulated DFB laser". *Optics Communications*, (2007).
18. G. Martínez Niconoff, J. C. Ramírez-San Juan, J. Muñoz-López, G. Hernández-Orduña, P. Martínez-Vara, J. A. Sánchez. "Spatial filtering dark hollow beams". *Optics Communications*, (2007).
19. G. Martínez-Niconoff, J. A. Sánchez-Gil, H. H. Sánchez-Hernandez, A. Pérez-Leija. "Self-imaging and caustic in two dimensional plasmon optics". *Optics Communications*, (2007).
20. A. Olivares-Pérez, S. Toxqui-López, I. Fuentes-Tapia. "UHU ® adhesive holograms". *Optik*, (2007).
21. J. Ramírez-San Juan, R. Ramos-García, I. Guizar-Iturbide, G. Martínez-Niconoff, B. Choi. "Impact Of Velocity Distribution Assumption On Simplified Laser Speckle Imaging Equation" *Optics Express*, (2007).
22. A. Shcherbakov, E. Tepichín-Rodríguez, A. Aguirre-López, J. Maximov. "Frequency bandwidth and potential resolution of optical modulators exploiting a multi-phonon light scattering in crystals". *OPTIK, International Journal for Light & Electron. Optics (Elsevier, Germany)*, (2007).

Artículos Aceptados con Arbitraje

23. A. Shcherbakov, J. Maximov, S. E. Balderas-Mata. "Shaping the dissipative collinear three-wave coupled states in a two-mode medium with a square-law nonlinearity and linear non optical losses". *Journal of Optics A: Pure and Applied Optics*, (2007).

ELECTRONICA

24. J. A. Morales, C. Domínguez, J. Barreto, M. Riera, M. Aceves, J. A. Luna, Z. Yu, R. Kiebach, "Spectroscopical Analysis of Luminescence Silicon Rich Oxide Films", *Revista Mexicana de Física*, Noviembre 2006.
25. R. Leal-Romero, José Eleazar Zuñiga-Juárez, I. E. Zaldívar-Huerta, M. C. Maya-Sánchez, M. Aceves-Mijares, J. A. Reynoso-Hernández. "Fabrication and characterization of coplanar waveguides on silicon using a combination of SiO₂ and SRO₂₀" *IEEE Transactions on Components and Packaging Technologies*.
26. Roberto Gómez, Alejandro Girón, Víctor Champac, "A Test Generation Methodology for Interconnection Opens Considering Signals at the Coupled Lines", *Journal of Electronic Testing: Theory and Applications*, Kluwer Academic Publishers.
27. R. Vázquez Medina, A. Díaz Méndez, J. L. del Río Correa and J. López Hernández, Design of Chaotic Analog Noise Generators with Logistic Map and MOS QT Circuits, *Chaos, Solitons and Fractals*, ELSEVIER, doi: 10.1016/j.chaos.2007.09.088, Accepted september 2007, In PRESS.
28. R. De Jesús-Peregrina, A. Díaz-Sánchez, E. Tlelo-Cuautle and J.M. Rocha-Perez, "A Novel CMOS Exponential Transconductor Operating in Weak Inversion," accepted for publication in the *Internacional Journal of Electronics*. Abril, 2007.
29. V. Grimalsky, E. A. Gutiérrez-D., S. Koshevaya, "Nonlinear pulse propagation in periodic media with and without defects", accepted and to be published in *Optics International Journal for Light and Electron Optics*, Elsevier.
30. S. Koshevaya, V. Grimalsky, A. Kotsarenko, R. Perez-E., and E. A. Gutiérrez-D., "Transparency change of the ionosphere for cosmic radio waves caused by acoustic pulse of ultra low frequency range", published in *TectonoPhysics*, Elsevier, Vol. 431, pp 241-247, 2007.
31. J.A.Reyes-Cervantes, J.A.Reyes-Avendaño and P.Halevi "Electrical tuning of photonic crystals infilled with liquid crystals" *Optics Communications*

Artículos Aceptados con Arbitraje

32. M. Moreno, A. Kosarev, A. Torres, I. Juárez. "Arrays Of Un-Cooled Micro-Bolometers Based On Amorphous Silicon-Germanium Thin Films Deposited By Plasma", *J. Non-Crystalline Solids*, 2008 Tipo De Circulación: Internacional, Registradas En El INSTITUTTE FOR SCIENTIFIC INFORMATION, SCIENCE CITACION INDEX.
33. A. Kosarev, M. Moreno, A. Torres, "Thermo-sensing silicon-germanium-boron films prepared by plasma for un-cooled micro-bolometers", *J. Non-Crystalline Solids*, 2008
34. A. Kosarev, M. Moreno, A. Torres. "IR sensors based on silicon-germanium-boron alloys deposited by plasma: fabrication and characterization", *J. Non-Crystalline Solids*, 2008.
35. M. Moreno, A. Kosarev, A. Torres. "Comparison of three un-cooled micro-bolometers configurations based on amorphous germanium thin films deposited by plasma", *J. Non-Crystalline Solids*, 2008
36. O. Malik, F.J. De la Hidalga-W., C. Zúñiga-I., Pulse characteristics of silicon double-barrier optical sensors with signal amplification, *Sensors and Actuators A*, 2008 (*en prensa*).
37. O. Malik, F.J. De la Hidalga-W, C. Zúñiga-I., G. Ruiz-T., Efficient ITO-Si solar cells and power modules fabricated with a low temperature technology: Results and perspectives, *J. Non-Crystalline Solids*, 2008 (*en prensa*).
38. O. Malik, F.J. De la Hidalga-W, C. Zúñiga-I., Digital output silicon optical sensors, *Sensors and Actuators A*, 2008 (*en prensa*).
39. J. Plaza Castillo, A. Torres Jacome, O. Malik, and N. Torres Lop "Very shallow boron junctions in Si by implantation and SOD difusión obtained by RTP" enviado al "Microelectronics Journal" enviado en abril, 2007.
40. Otto J. Paz-Luna, Juan Manuel Ramirez, Pilar Gomez-Gil, Rogerio Enriquez-Caldera, "On Digital Signal Processing Understanding through Simulation and Animation Tools", *IEEE Multidisciplinary Engineering Education Magazine (IEEE Education Society Publication, ISSN: 1558-7908)*.
41. C. Álvarez-Macías*, C. Reyes-Betanzo "Procesos de grabado seco de silicio monocristalino con alta velocidad de grabado y anisotropía para su aplicación en la fabricación de MEMS".



Artículos Aceptados con Arbitraje

42. E. Tlelo-Cuautle, Jesús M. Muñoz-Pacheco, "Simulation of Chua's circuit by automatic control of step-size" accepted for publication in Elsevier 2007.
43. Reydezel Torres-Torres, Gerardo Romo, Luis Armenta, and Bryce Horine, "Analytical Characteristic Impedance Determination Method for Microstrip Lines Fabricated on Printed Circuit Boards," *International Journal of RF and Microwave Computer-Aided Engineering*. ISSN: 1096-4290.
44. Emmanuel Torres-Ríos, Reydezel Torres-Torres, Roberto Murphy, and Edmundo Gutierrez-D., "Analytical Characterization and Modeling of Shielded Test Structures for RF-CMOS," *International Journal of High Speed Electronics and Systems*, ISSN: 0129-1564 Artículo con participación de estudiante de DOCTORADO:
45. Z. Yu, M. Aceves-Mijares, K. Monfil, R. Kiebach, R. López-Estopier "Room Temperature Current Oscillations in Naturally Grown Silicon Nanocrystallites Embedded in Oxide Films". *Journal of Applied Physics*.
46. Zhenrui Yu, Ragnar Kiebach, Mariano Aceves-Mijares, Dongcai Bian, Jinhui Du, "The deposition and control of self assembled silicon nano islands on crystalline silicon", invited to submit to *International Journal of High Speed Electronics and Systems*, December 2007.
47. A. Morales, C. Domínguez, M. Aceves, Z. Yu, J. Barreto, "Coulomb blockade effects in silicon nanoparticles embedded in thin silicon rich oxide films", submitted to *Nanotechnology*, Oct. 2007.
48. Ragnar Kiebach, Alfredo Morales, Karim Monfil, Zhenrui Yu, Enrique Quiroga, Mariano Aceves-Mijares, "Synthesis of Light emitting SiO_x Layers with calculable optical Properties – a first Step to controlled Integration of photoluminescent active Compounds in Silicon based Devices", submitted to *Material Science in Semiconductor Processing*, August 2007.



Artículos Aceptados con Arbitraje

49. I. E. Zaldívar-Huerta, J. Rodríguez-Asomoza, G. Martínez-Messner, "Experimental demonstration of filtering and multiplexing of microwave signals using a multimode laser diode and the chromatic fiber-dispersion parameter", Accepted for publication in Optical Engineering SPIE, September 2007

50. Tomás Balderas-Contreras, René Cumplido, Claudia Feregrino-Urbe. "On the Design and Implementation of a RISC Processor Extension for the KASUMI Encryption Algorithm", Aceptado en Noviembre 2007, en Computers & Electrical Engineering, Elsevier. Revista indizada en Science Citation Index.

51. Irene Olaya Ayaquica Martínez, José Francisco Martínez Trinidad and Jesús Ariel Carrasco Ochoa. "Restricted Conceptual Clustering Algorithms Based on Seeds". Aceptado en la revista Computación y Sistemas. ISSN: 1405-5546. por publicarse en el Vol. 11 No. 3 trimestre Enero-Marzo 2008.

52. Hugo Jair Escalante, Manuel Montes, Enrique Sucar. "Particle Swarm Model Selection". Journal of Machine Learning Research (indexed by the SCI).

53. Carlos Eduardo Mariano Romero and Eduardo F. Morales Manzanares. "Dynamic Behavior of Contaminants in the Water Distribution Network of Cuernavaca Mexico, a Real Application of Multiobjective Distributed Reinforcement Learning". Aceptado en la revista Computación y Sistemas.