

ARTÍCULOS ARBITRADOS PUBLICADOS

ELECTRÓNICA

CON PARTICIPACIÓN DE ALUMNOS

INTERNACIONAL

1. Morales-Sánchez, J. Barreto, C Domínguez, **M. Aceves**, Z Yu and **J. A. Luna-López**, “Coulomb blockade effects in silicon nanoparticles embedded in thin silicon-rich oxide films”, *Nanotechnology* Vol. 19, pp 165401-1-5 (2008).
2. Morales-Sánchez, J. Barreto, C. Domínguez-Horna, **M. Aceves-Mijares**, **J.A. Luna-López**, “Optical characterization of silicon rich oxide films”, *Sensors and Actuators A*, Vol 142, pp 12–18 (2008).
3. **M. Aceves**, Z. Yu, and **J. A. Luna**. “Charge trapping and de-trapping in Si-nanoparticles embedded in silicon oxide films” A. Morales-Sánchez, J. Barreto, C. Domínguez, *phys. stat. sol. (c)* **5**, No. 12, 3651–3654 (2008).
4. **J. A. Luna-López**, A. Morales-Sánchez, **M. Aceves-Mijares**, Z. Yu, C. Domínguez, “Analysis of surface roughness and its relation with photoluminescence properties of silicon-rich oxide films”, *Journal of Vacuum Science and Technology*, A27 (1), (2009), pp57-62.
5. Ragnar Kiebach, **J. A. Luna-López**, G. Osvaldo Díaz, **Mariano Aceves-Mijares**, Jacobus Willibrordus Swart. “Characterization of Silicon Rich Oxides with Tunable Optical Band Gap on Sapphire Substrates by Photoluminescence, UV/Vis and Raman Spectroscopy” *J. Mex. Chem. Soc.* 2008, 52(3), 215-224.
6. **R. Gomez**, Alejandro Giron, **Victor Champac**, “A Test Generation Methodology for Interconnection Opens Considering Signals at the Coupled Lines”, *Journal of Electronic Testing: Theory and Applications*, Kluwer Academic Publishers, Volume 24 , Issue 6, Pages: 529 – 538, December 2008.

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8. **J. A. Reyes, P. Halevi**, "Electrical tuning of photonic crystals infilled with liquid crystals", Optics Communications, Vol. 281, pp. 2535-2547 (2008).
9. **J. A. Reyes-Avenidaño** and **P. Halevi**, "Electrical tuning of refraction in a two-dimensional photonic crystal infilled with a liquid Crystal", Revista Mexicana de Física. Vol. 54 (6) pp. 407-410.
10. **V. M. Jiménez-Fernández**, J.A. Rodríguez, P. M. Julián, O. Agamennoni, Evaluation Algorithm for a decomposed simplicial Piecewise-Linear Formulation, Journal of Applied Research and Technology, Volume 6, Issue 3, pp. 159-169.
11. **M. Moreno, A. Kosarev**, A. Torres-Jacome, I. Juarez, "Arrays of un-cooled micro-bolometers based on amorphous silicon-germanium thin films deposited by plasma", Journal of Non-Crystalline Solids, Vol. 354, pp. 2552-2555 (2008).
12. **Kosarev, M. Moreno**, A. Torres, C. Zuniga, "IR sensors based on silicon-germanium-boron alloys deposited by plasma: Fabrication and characterization", Journal of Non-Crystalline Solids, Vol. 354, pp. 2561-2564 (2008).
13. **M. Moreno, A. Kosarev**, A. Torres, R. Ambrosio, "Comparison of three un-cooled micro-bolometers configurations based on amorphous silicon-germanium thin films deposited by plasma", Journal of Non-Crystalline Solids, Vol. 354, pp. 2598-2602 (2008).
14. **M. Moreno, A. Kosarev**, A. J. Torres, **I. Cosme** "Noise in Different micro-bolometer configurations with silicon germanium thermo –sensing layer", In_ Amorphous and Polycrystalline Thin Film Silicon Science and Technology, ed. By A. Flewitt, J. Hou, S. Miyazakim A. Nathan J. Yang (MRS Res. Symp. Proc. V. 1066, Warrendale, PA 106-A18-05- A05-18-11 (2008).

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18. **E. Tlelo-Cuautle**, **M.A. Duarte-Villaseñor**, **I. Guerra-Gómez**, “Automatic synthesis of VFs and VMs by applying genetic algorithms”, *Circuits, Systems and Signal Processing*, Vol. 27, No. 3, pp. 391-403, ISSN: 0278-081X (June 2008).
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22. **Z. Yu**, M. Aceves-Mijares, **K. Monfil**, R. Kiebach, **R. López Estopier** and J. Carrillo, “Room temperature current oscillations in naturally grown silicon nanocrystallites embedded in oxide films”, *Journal of Applied Physics*, Vol. 103, pp 063706-1-4, (2008).