

F. PRODUCTIVIDAD DE ESTUDIANTES

2015

- ELECTRON RAMAN SCATTERING IN SEMICONDUCTOR STEP-QUANTUM WELL. **L.A. Ferrer-Moreno**, Ri. Betancourt-Riera; R. Riera. *Physica B: Condensed Matter*, 2015 (in press)
- GREEN SYNTHESIS AND BREATHING RADIAL MODES IN TI NANOPARTICLES. **R. Brito Hurtado**, M Cortez Valadez, **R. A. B. Álvarez**, **P. Horta Fraijo**, J. O. Bocarando Chacón, R. Gámez Corrales, A. Pérez Rodríguez, H Arizpe Chávez, M. Flores Acosta. *NANO Briefs Reports and Reviews* **10**, 1550069, 2015.
- METHODOLOGY FOR DIAGNOSIS OF SKIN CANCER ON IMAGES OF DERMATOLOGIC SPOTS BY SPECTRAL ANALYSIS. **E. Guerra-Rosas**, J. Álvarez-Borrego, *Biomedical Optics Express* **6**, 242232, 2015.
- OPTICAL AND VIBRATIONAL PROPERTIES OF PBSE NANOPARTICLES SYNTHESIZED IN CLINOPTILOLITE. **J. Flores-Valenzuela**, M. Cortez-Valadez, R. Ramirez-Bon. Arizpe-Chávez, J.F. Rornán-Zarorano, M. Flores-Acosta. *Physica E* **72**, 1, 2015.
- RAMAN SCATTERING AND OPTICAL PROPERTIES OF LITHIUM NANOPARTICLES OBTAINED BY GREEN SYNTHESIS. **Ramón A. B. Álvarez**, M. Cortez-Valadez, **R. Britto-Hurtado**, L Osear Neira Bueno, NS Flores-Lopez, A R. Hernández-Martínez, R. Gárrez-Corrales, R. Vargas-Ortiz, J-G. Boearando-Chacon, H. Arizpe-Chávez, M. Flores-Acosta. *Vibrational Spectroscopy* **77**, 5-9, 2015.
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- AUTOFOCUS AND FOCUS USING NONLINEAR CORRELATION. **A.R. Cabazos-Marín**, J. Álvarez-Borrego, A. Coronel-Beltrán. *AIP Conference Proceedings* **1618**, 147-150, 2014.
- BLOCH MODES AT THE SURFACE OF A PHOTONIC CRYSTAL INTERACTING WITH A WAVEGUIDE. **R. Munguia-Arwayo**, R. Garcia- Llamas, J. Gaspar-Armenta. *Journal of the Optical Society of America* **31**, 1588-1594, 2014.
- COPPER-SELENIDE AND COPPER-TELLURIDE COMPOSITES POWDERS SYNTHESIZED BY IONIC EXCHANGE. **O. Arellano-Tanori**, M.C. Acosta-Enriquez, R. Ochoa-Landin, R. Iñiguez-Palomares, T. Mendivil-Reynoso, M. Flores-Acosta, S.J. Castillo. *Chalcogenide Letters* **11**, 13-19, 2014.
- DIAGNOSIS OF SKIN CANCER USING IMAGE PROCESSING. **E. Guerra-Rosas**, J. Álvarez-Borrego, A. Coronel-Beltrán. *AIP Conference Proceedings* **1618**, 155-158, 2014.
- LINAC4 LOW ENERGY BEAM MEASUREMENTS WITH NEGATIVE HYDROGEN IONS. R. Scrivens, G. Bellodi, O. Crettiez, V. Dimov, D. Gerard, E. Granemann Souza, R. Guida, J. Hansen, J.-B. Lallement, J. Lettry, A. Lombardi, Ø. Midttun, C. Pasquino, U. Raich, B. Riffaud, F. Roncarolo, **C. A. Valerio-Lizarraga**, J. Wallner, M. Yarmohammadi Satri, T. Zickler. *Review of Scientific Instruments* **85**, 02A429, 2014.
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- PLASMON RESONANCE AND RAMAN MODES IN PB NANOPARTICLES OBTAINED IN EXTRACT OF OPUNTIA FICUS- INDICA PLANT. **L.P. Ramírez Rodríguez**, M. Cortez Valadez, J. G Bocarando

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- THEORETICAL STATISTICAL RELATIONSHIPS BETWEEN THE INTENSITIES OF AN IMAGE OF THE SEA SURFACE AND ITS SLOPES: A RESULT COMPARISON OF RECT AND GAUSSIAN GLITTER FUNCTIONS. **J.L. Poom-Medina**, J. Álvarez-Borrego, B. Martín-Atienza, A. Coronel-Beltrán. *Optical Engineering* **53**, 1-6, 2014.

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- EXPERIMENTAL EVIDENCE OF THE NONTRANSMISSION RANGE ENLARGEMENT IN PHONONIC HETEROSTRUCTURES. D. Moctezuma-Enriquez, G. A. Morales-Morales, Y. J. Rodríguez-Viveros, B. Manzanares-Martinez, **C. I. Ham-Rodríguez**, J. Manzanares-Martinez. *Advanced Studies in Theoretical Physics* **7**, 1195-1204, 2013.
- SYNTHESIS OF SILVER NANOPARTICLES USING REDUCING AGENTS OBTAINED FROM NATURAL SOURCES (RUMEX HYMENOSEPALUS EXTRACTS). **E. Rodríguez**, R. Iñiguez, R.E. Navarro, R. Herrera, J. Tánori, C. Iñiguez, A. Maldonado. *Nanoscale Research Letters* **8**, 1-9, 2013.
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- THERMAL PROPERTIES OF HIGH ORDER CRYSTALLINE DIELECTRIC MIXTURES. **G. Moroyoqui-Estrella**, R. Rodríguez-Mijangos, R. Perez-Salas, A. Rodríguez. *Revista Mexicana de Física* **59**, 16-19, 2013.

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