Artículos Arbitrados Publicados

ÓPTICA

INTERNACIONAL CON PARTICIPACIÓN

1. **B. Canales-Pacheco**, **A. Cornejo-Rodríguez**, **F. Granados-Agustín**. "Chalmers interferometric test using a reflective spatial light modulator". Optics Express, **20**, 21, (2012), 23865-23874.

2. **Celso Gutiérrez-Martínez**, Joel Santos-Aguilar, **Misael Santiago-Bernal**, Adolfo Morales-Díaz, José Alfredo Torres-Fórtiz, Jacobo Meza-Pérez. "Reconfiguring the frequency response of dispersive-channel radio over fiber systems by using fiber photonic filters: Application to transmission of multiplexed microwave sub-carriers. Microwave and Optical Technology Letters, **44**, 8, (2012), 1869-1874.

3. **Anmi García-Arellano**, **Fermín Granados-Agustín**, Manuel Campos-García, Alejandro Cornejo-Rodríguez. "Ronchi Test with equivalent wavelength". Applied Optics, **51**, 15, (2012), 3071-3080.

4. **Dayana. H. Peñalver**, **David L. Romero-Antequera,** **Fermín-Salomón Granados-Agustín**. "Interferogram smoothing and skelotonizing using Bessel functions of the first kind". Optical Engineering, **51,** (4), 045601-1-045601-7.

5. **David L. Romero-Antequera**, **Dayana H. Penalver,** **Fermín-Salomón Granados-Agustín**, Javier Sánchez-Mondragón. "Background illumination regularization on interferograms". Opt. Eng. **51,** 9, (2012), 095601-1-095601-9.

6. **Nikolai Korneev**, **Chrystian Gutiérrez Parra.** "Vectorial mechanism of nonlinearity enhancement in rubidium vapor". Journal of the Optical Society of America B-Optical Physics, **29**, Issue: 9, Published: SEP (2012), 2588-2594.

7. **Korneev, N;** Kuzin, E A; **Villagomez-Bernabe**, B A; Pottiez, O; Ibarra-Escamilla, B; González-García, A; Durán-Sánchez, M. "Raman-induced polarization stabilization of vector solitons in circularly birefringent fibers". **Optics Express,** 20**, Issue 22, (2012), 24288-24294. ISSSN: 1094-4087.**

Artículos Arbitrados Publicados

8. **S. Mansurova**, **P. Moreno Zarate**, P. Rodriguez, S. Stepanov, S. Kober, K. Meerholz. “Non-steady-state photoelectromotive force effect under linear and periodical phase modulation: application to detection of Doppler frequency shift”. Optics Letters, **37**, Issue 3, (2012), 383-385.

9. **A. Perez-leija**, **H. Moya-Cessa**, D. N. Christodoulides. “Optical realization of the atom-field interaction in waveguide lattices”. Physica Scripta T, **147**, (2012), 014023-1- 014023-3.

10. **A. Pérez-Leija**, R. Keil, A. Szameit, A. Abouraddy, **H. Moya-Cessa**, D. N. Christodoulides. “Tailoring the correlation and anti-correlation behavior of pathentangled photons in glauber-fock oscillator lattices”. Phys. Rev. A, **85**, (2012), 013848-1-013848-5.

11. Robert Keil, Armando **Perez-Leija**, Parinaz Aleahmad, **Hector Moya-Cessa**, Stefan Nolte. Demetrios N. Christodoulides, Alexander Szameit. “Observation of Bloch-like revivals in semi-infinite Glauber–Fock photonic lattices”. Optics Letters, 37, 18, (2012), 3801-3803.

12. **J. P. Padilla-Martinez**, D. Banks, **J. C. Ramirez-San-Juan**, R. Ramos-Garcia, Feng Sun, G. Aguilar. "Towards the enhancement of transdermal drug delivery through thermocavitation". Photon Lasers Medicine, **1**, Issue 3, (2012), 183-193.

13. **J. Martínez-Carranza,** **F. Soto-Eguibar**, and H. Moya-Cessa. “Alternative analysis to perturbation theory in quantum mechanics”. Eur. Phys. J. D, (2012), 66: 22.

14. **P. Moreno Zárate**, **A. Shcherbakov**, S. Mansurova.. “Applying non-steady-state photo-EMF technique to detection of higher order auto-correlation functions of ultra-short optical pulses”. Journal of Applied Research and Technology, **10**, 2, (2012), 143-151.

15. **Gonzalo Urcid**, **Juan Carlos Valdiviezo-N.**, Gerhard X. Ritter. “Lattice algebra approach to color image segmentation,” Springer Verlag Journal of Mathematical Imaging and Vision, **42**, (2012), 150-162.

16. M. Torres-Cisneros, P. LiKamWa, D. May-Arrioja, O. G. Ibarra-Manzano[2], H. Plascencia-Mora, E. Aguilera-Gómez, J. G. Aviña-Cervantes, **J.J. Sanchez-Mondragón**, Q. Song, J. A. Andrade-Lucio, R. Guzmán-Cabrera, “Nano-

droplet formation in polymer dispersed liquid crystals," Phys. Status Solidi C, 9: 1515-1520, (2012). DOI: 10.1002/pssc.201100749.

17. **David L. Romero-Antequera, Dayana H. Penalver**, Fermín-Salomón Granados-Agustín and Javier Sánchez-Mondragón, "Background illumination regularization on interferograms", Opt. Eng. 51(9), 095601 (Sep 06, 2012). http://dx.doi.org/10.1117/1.OE.51.9.095601.

18 **V. Arrizón**, **D. Sánchez-de-la-Llave**, **G. Méndez**. "Holographic generation of a class of nondiffracting fields with optimum efficiency". Optics Letters, **37**, 11, (2012), 2154-2156.

19 **Gabriel Martínez Niconoff**, J. Muñoz López, **J. Silva Barranco**, A. Carbajal Dominguez, Patricia Martinez Vara. "Self-focusing transmittances". Optics Letters, **37**, 11, (2012), 2121-2123.

20. **Gabriel Martinez Niconoff**, Patricia Martinez Vara, **G. Diaz-Gonzalez**, J. Silva Barranco, Adrian Carbajal Dominguez. "Surface plasmon singularities". International Journal Of Optics, **2012**, 152937, (2012), 1-7.

21. **D. Rodríguez-Méndez**, H**. Moya-Cessa.** "High noon states in trapped ions." Physica Scripta T, **147**, (2012), 014028-1-014028-3.

22. **A. Olivares-Pérez, N. Y. Mejias-Brizuela**, A. Grande-Grande, Fuentes-Tapia. "Corn syrup holograms". Optik, **123**, (2012), 447-450.

23. **N. Y. Mejias-Brizuela**, **A. Olivares-Pérez,** M. Ortiz-Gutiérrez. "Replication of holograms with corn syrup by rubbing". Materials, **5**, (2012), 1462-1476.

INTERNACIONAL SIN PARTICIPACIÓN

1. **Fermín-Salomón Granados-Agustín**, **Alberto Jaramillo-Núñez**, Daniel Sacramento-Solano, María-Elizabeth Percino-Zacarías, Alejandro Cornejo-Rodríguez. "Lensmeter using a lateral shearing interferometer". Optik, **123**, 16, (2012), 1425-1428.

2. R. Zhou, Q. Zhan, P. E. Powers, **B. Ibarra-Escamilla**, J. W. Haus. "An all fiber based Talbot self-imaging mirror device for phase-locking of a multi-

fiber laser". Journal of the European Optical Society, **7**, (2012), 12012-1-12012-6.

3. O. Pottiez, J. C. Hernandez-Garcia, **B. Ibarra-Escamilla**, E.A. Kuzin. "Dual-wavelength operation of a figure-eight fiber laser". Laser Physics, **22**, 10, (2012). *ISSN 1054_660X,*1565-1572.

4. Reynoso Lara E., Serrano Muñoz G., Dávila Pintle J. A., Rendón Marín **M. Iturbe Castillo** M. D., Treviño Palacios C. G. "Medición de los lóbulos frontal y retrodispersión, de seis diferentes líneas, de los laseres de Ar y He-Ne al atravesar neblina con diferentes densidades". *Rev. Bol. Fis.* **20,** (2011), 10-12. **Publicado en 2012.**

5. D. Ramirez Martinez, M. M. Mendez Otero, M. L. Arroyo Carrasco, **M. D. Iturbe Castillo.** "Asymmetric collision between two bright solitons in a Kerr media". Optics Express, **20,** (2012), 27425-27433.

6. Flores Rosas, **E. A. Kuzin**, B. Ibarra Escamilla, J. M. Merlo Ramírez. "The On–Off Contrast in an all optical switch based on stimulated Raman scattering in optical fibers". Laser Physics, **22**, 8, (2012), *ISSN 1054_660X,* 1340-1346

7. **Héctor Moya-Cessa**, Francisco Soto-Eguibar, José M. Vargas-Martínez, Raúl Juárez-Amaro, Arturo Zúñiga-Segundo. "Ion–laser interactions: The most complete solution". Physics Reports, **513**, (2012), 229-261.

8. A. Zúñiga-Segundo, J. M. Vargas-Martínez, R. Juárez-Amaro, **H. Moya-Cessa**, "Exact solution of the ion-laser interaction in all regimes". Annalen der Physik, **524**, 2, (2012), 107-111".

9. **A. Olivares- Pérez**, S. Toxqui-Lopez, Ana. L. Padilla-Velasco. "Nopal cactus (Opuntia Ficus-Indica) as a Holographic Material". Materials, **5**, (2012), 2383-2402.

10. **R. Ramos-García**, K. Berrospe-Rodriguez. "Enhancement of the coupling gain in gaas-liquid crystal hybrid devices". Mol. Cryst. Liq. Cryst., **561**, (2012), 68-73.

11. **Francisco Soto-Eguibar,** Héctor Moya-Cessa. "Perturbative approach to diatomic lattices". International Journal of Quantum Information, **10**, 6, (2012), 1250072.

12. M. Torres-Cisneros, Patrick LiKamWa, D. May-Arrioja, O. G. Ibarra-Manzano, H. Plascencia-Mora, E. Aguilera-Gómez, J. G. Aviña-Cervantes, **J. J. Sánchez-Mondragón**, Q. Song, J. A. Andrade-Lucio, R. Guzmán-Cabrera. "Liquid crystals nano-droplets formation in polymer dispersed materials", Phys. Status Solidi C, 1– 6, (2012) / **DOI** 10.1002/pssc.201100749.

NACIONAL SIN PARTICIPACIÓN

1. **Alberto Jaramillo-Núñez**, Mónica Pérez-Meza. "Búsqueda de metástasis óseas en radiografías". Anales de Radiología. Mexico., **11** (2), (2012), 122-127. ISSN: 1665-2118.