

## DRA. MARIA DE LA LUZ OLVERA AMADOR

### PUBLICACIONES 2016

#### ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS DE PRESTIGIO INTERNACIONAL, CON ARBITRAJE ESTRICTO

1. **Vinoth Kumar Jayaraman, Yasuhiro Matsumoto K, Arturo Maldonado A., *María de la Luz Olvera* A.** Importance of substrate rotation speed on the growth of homogeneous ZnO thin films by reactive sputtering. *Material Letters*. 169 (2016) 1-4.
2. **Vinoth Kumar Jayaraman, Arturo Maldonado Álvarez, Yasuhiro Matsumoto Kuwabara, Yuri Koudriavstev, *María de la Luz Olvera Amador*.** Effect of Co-doping concentration on structural, morphological, optical and electrical properties of aluminum and indium co-doped ZnO thin films deposited by ultrasonic spray pyrolysis. *Materials Science in Semiconductor Processing*. 47 (2016) 32–36.
3. **P. E. Rodríguez-Hernández, F. DeMoure-Flores, A. Guillén Cervantes, E. Campos-González, J. Santos-Cruz, S. A. Mayén Hernández, J. S. Arias-Cerón, *M. de la L. Olvera*, O. Zelaya Ángel, G. Contreras-Puente.** Physical Properties OF In<sub>2</sub>S<sub>3</sub>Thin Films Grown by Chemical Bath Deposition at Different Temperatures. *ChalcogenideLetters*13. 8 (2016) 389-396. ISSN:1584-8663.
4. **L. Gildo-Ortiz a, n, J. Reyes-Gómez b, J. M. Flores-Álvarez b, H. Guillén-Bonilla c, *M. de la L. Olvera*, V. M. Rodríguez Betancourt, Y. Verde-Gómez, A. Guillén-Cervantes, J. Santoyo-Salazar.** Synthesis, characterization and sensitivity tests of perovskite-type LaFeO<sub>3</sub> nanoparticles in CO and propane atmospheres. *Ceramics International*. 42 (2016) 18821-18827. ISSN:0272-8842.
5. **Héctor Guillén-Bonilla 1, Martín Flores-Martínez, Verónica-María Rodríguez-Betancourt, Alex Guillen-Bonilla, Juan Reyes-Gómez , Lorenzo Gildo-Ortiz, *María de la Luz Olvera Amador*, and Jaime Santoyo-Salazar.** A Novel Gas Sensor Basedon MgSb<sub>2</sub>O<sub>6</sub> Nanorods to Indicate Variations in Carbon Monoxide and Propane Concentrations. *Sensors*. 16 (2016) 177. doi: 10.3390/S16020177. ISSN:1424-8220.
6. **J. G. Quiñones-Galván, A. Guillén-Cervantes, E. Campos-González, J. Santos-Cruz, S. A. Mayén-Hernández, *M. de la L. Olvera*, O. Zelaya-Angel, G. Contreras-Puente, and F. de Moure-Flores.** Structural properties of Sn-doped CdTe thin films grown by pulsed laser deposition using powder as target. *Journal of Laser Applications* 28. 032012 (2016). doi: 10.2351/1.4954202. ISSN:1042-346X.
7. **TangiralaVenkata Krishna Karthik, *María de la Luz Olvera*, Arturo Maldonado, Heberto Gómez Pozos.** CO Gas Sensing Properties of Pure and Cu-Incorporated SnO<sub>2</sub> Nanoparticles: A Study of Cu-Induced Modifications. *Sensors*. 16 (2016) 1283. doi:10.3390/s16081283.ISSN:1424-8220.
8. **Juan Pablo Morán-Lázaro 1,\* , Florentino López-Urías 2, Emilio Muñoz-Sandoval, Oscar Blanco-Alonso, Marciano Sanchez-Tizapa, Alejandra Carreon-Alvarez, Héctor Guillén-**

Bonilla, **María de la Luz Olvera-Amador**, Alex Guillén-Bonilla, and Verónica María Rodríguez-Betancourt. Synthesis, Characterization, and Sensor Applications of Spinel ZnCo<sub>2</sub>O<sub>4</sub> Nanoparticles. *Sensors*. (2016) 2162. doi:10.3390/s16122162. ISSN:1424-8220.

9. Vinoth Kumar Jayaraman, Arturo Maldonado-Álvarez, Antonio E. Jimenez-Gonzalez, **María de la Luz Olvera Amador**. Influence of precursor ball milling in enhancing the structural, morphological, optical and electrical properties of AlZO thin films. *Materials Letters*. 181 (2016) 52-55. ISSN:/0167-577X.
10. H. Gómez-Pozos, E. Luna-Arredondo, A. Maldonado-Álvarez, R. Biswal, Yu. Kudriavtsev, J. Vega-Pérez, Y. Casallas-Moreno, **M. Olvera-Amador**. Cu-Doped ZnO Thin Films Deposited by a Sol-Gel Process Using Two Copper Precursors: Gas-Sensing Performance in a Propane Atmosphere. *Materials*. (9) (87) (2016). 1-16. doi:10.3390/ma9020087.
11. Heberto Gómez-Pozos, Emma Julia Luna Arredondo, Arturo Maldonado Álvarez, Rajesh Biswal, Yuriy Kudriavtsev, Jaime Vega Pérez, Yenny Lucero Casallas-Moreno and **María de la Luz Olvera Amador**. Cu-Doped ZnO Thin Films Deposited by a Sol-Gel Process Using Two Copper Precursors: Gas-Sensing Performance in a Propane Atmosphere. *Materials*. (9) (2016) 87.

#### ARTÍCULOS PUBLICADOS EN EXTENSO EN MEMORIAS DE CONGRESOS INTERNACIONALES, CON ARBITRAJE

2016 13TH INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING, COMPUTING SCIENCE AND AUTOMATIC CONTROL (CCE), MEXICO CITY, MEXICO, 26-30 SEPTEMBER, 2016

1. J. Vinoth Kumar, Y. Matsumoto, A. Maldonado, and **M. de la L. Olvera**. Effect of substrate position on structural, morphological, and optical properties of reactively sputtered ZnO thin films. 978-1-4673-7839-0/15/\$31.00 ©2016 IEEE.
2. Jacob Morales Bautista, **María de la Luz Olvera Amador**, Arturo Maldonado Alvarez. Synthesis and Characterization and Photocatalytic activity of TiO<sub>2</sub> Powders. ISBN: 978-1-4673-2168-6. ISBN: 978-1-4673-2168-6.
3. R. Herrera Rivera, A. M. Pineda, A. Maldonado, **M. de la L. Olvera**. Particle size effect in gas sensing properties of ZnO pellets. ISBN: 978-1-4673-2168-6. ISBN: 978-1-4673-2168-6.
4. V. Mata, A. Maldonado, **M. de la L. Olvera**. Effect of milling speed on the precursor Zinc acetylacetonate destined to obtain ZnO thin films. ISBN: 978-1-4673-2168-6. ISBN: 978-1-4673-2168-6.
5. A. M. Pineda-Reyes, **María de la L. Olvera Amador**. Nanoparticles of Zinc Oxide Obtained by a Water in Oil Microemulsion System. ISBN: 978-1-4673-2168-6. ISBN: 978-1-4673-2168-6.
6. Aldo Yair Tenorio, Miguel Russell Matus Muñoz, **María de la Luz Olvera**, Victor Manuel Altuzar Aguilar and Claudia Oliva Mendoza Barrera. Automatization and control of home-

made micro injection pumps for a microfluidic system. ISBN: 978-1-4673-2168-6. ISBN: 978-1-4673-2168-6.

7. **Venkata Krishna Karthik Tangirala, *María de la Luz Olvera Amador*, Arturo Maldonado and Heberto Gomez Pozos.** Effect of Al<sub>2</sub>O<sub>3</sub> on the morphological and gas sensing properties of SnO<sub>2</sub> pellets. ISBN: 978-1-4673-2168-6. ISBN: 978-1-4673-2168-6.

#### ***MRS ADVANCES.***

1. **R. Herrera-Rivera, A. M. Pineda, *M. de la L. Olvera* and A. Maldonado.** Sensing properties of pellets based on mesoporous structures of ZnO. Available on CJO 2016 doi:10.1557/adv.2016.267. ISBN: 978-1-4673-2168-6.