

## **DRA. MARIA DE LA LUZ OLVERA AMADOR**

### **PUBLICACIONES 2015**

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

Vinoth Kumar Jayaraman, Arturo Maldonado-Álvarez, **María de la Luz Olvera-Amador**. A simple and cost-effective zinc oxide thin film sensor for propane gas detection. *Materials Letters*. 157 (2015)169–171

T.V. K. Karthik, **M. de la L. Olvera**, A. Maldonado, V. Velumurugan. Sensing properties of undoped and Pt-doped SnO<sub>2</sub> thin films deposited by chemical spray. *Materials Science in Semiconductor Processing*. 37 (2015) 143-150. DOI:10.1016/j.mssp.2015.02.045. **ISSN: 1369-8001**

Héctor Guillén Bonilla, Lorenzo Gildo Ortiz, **M. de la L. Olvera-Amador**, Jaime Santoyo Salazar, Verónica M. Rodríguez-Betancourt, Alex Guillén-Bonilla and Juan Reyes-Gómez. Sensitivity of mesoporous CoSb<sub>2</sub>O<sub>6</sub> nanoparticles to gaseous CO and C<sub>3</sub>H<sub>8</sub> at low-temperatures. *Journal of Nanomaterials*. 2015. <http://dx.doi.org/10.1155/2015/308465> **ISSN: 1687-4110 (Print)**.

F. De Moure-Flores, A. Guillén-Cervantes, E. Campos-González, J. Santoyo-Salazar, J. S. Arias-Cerón, J. Santos-Cruz, S. A. Mayén Hernández, **M. de la L. Olvera**, J. G. Mendoza-Álvarez, O. Zelaya-Ángel, G. Contreras-Puente. Influence of the indium nominal concentration in the formation of CuInS<sub>2</sub> films grown by CBD. *Materials Science in Semiconductor Processing*. 39 (2015) 755-759.

#### **PUBLICACIONES EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS CON ARBITRAJE**

Campos-González E., Guillén-Cervantes A., Santoyo-Salazar J., Zelaya-Angel O., Ramírez-Velázquez L. E., Santos-Cruz J., Mayén-Hernández S. A., de Moure-Flores F., **Olvera M. de la L.**, Contreras-Puente G. Growth of CdO films from CdO<sub>2</sub> films by chemical bath deposition: Influence of the concentration of cadmium precursor. *Superficies y Vacío*. 28 (1) 25-29. Marzo 2015.

#### **12<sup>TH</sup> INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING, COMPUTING SCIENCE AND AUTOMATIC CONTROL (CCE 2015), MEXICO CITY, OCTOBER 26-30, 2015.**

A. Dutt, Y. Matsumoto, M. Ortega, V. Sánchez and **M. L. Olvera**. Effect of Chamber Pressure on Red Emission from Silicon thin films Deposited by means of Hot-Wire CVD.

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

#### **12<sup>TH</sup> INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING, COMPUTING SCIENCE AND AUTOMATIC CONTROL (CCE 2015), MEXICO CITY, OCTOBER 26-30, 2015.**

J. Vinoth Kumar, A. Maldonado, **M. de la L. Olvera**, J. Vega-Pérez, Y. Koudriavtsev. Structural and morphological properties of gallium doped ZnO thin films deposited by ultrasonic spray pyrolysis. ISBN: 978-1-4673-2168-6.

**J. Morales-Bautista, A. Maldonado, *M. de la L. Olvera*.** Gas sensing performance of TiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> pellets. ISBN: 978-1-4673-2168-6.

**R. Herrera Rivera, A. M. Pineda, A. Maldonado, *M. de la L. Olvera*.** Different ZnO structures prepared by homogeneous precipitation method. ISBN: 978-1-4673-2168-6.

**V. Mata, A. Maldonado, *M. de la L. Olvera*.** Effect of precursor concentration in the starting solution on the photocatalytic activity of ZnO thin films. ISBN: 978-1-4673-2168-6.

**T. V. K. Karthik, *M. de la L. Olvera*, A. Maldonado.** Effect of doping method on the morphological and gas sensing properties of Pt:SnO<sub>2</sub> pellets. ISBN: 978-1-4673-2168-6.

**J. Vinoth Kumar, B. Vinay, G. Raina, *M. de la L. Olvera*.** A simple approach for the hybridization of carbon nanotubes and zinc oxide. ISBN: 978-1-4673-2168-6.

### PROCEEDINGS OF THE THIRD INTERNATIONAL SYMPOSIUM ON RENEWABLE ENERGY AND SUSTAINABILITY, TEMIXCO, MORELOS, MÉXICO, SEPTEMBER 9-11, 2015

**Yasuhiro Matsumoto, Carlos Norberto, José Antonio Urbano, Rubén Dorantes, Humberto González, Claudia López, René Asomoza, *Ma. de la Luz Olvera*, Gabriela López and Ramón Peña.** 36 Month Performance of 60 kWp Photovoltaic System in Mexico City.

### 17TH INTERNATIONAL CONFERENCE ON NANO AND BIOMATERIALS ZURICH, SWITZERLAND JULY, 29-30, 2015.

**Esmeralda Chávez Vargas, *M. de la L. Olvera*, A. Maldonado.** Nanostructured Fluorine Doped Zinc Oxide Thin Films Deposited by Ultrasonic Spray Pyrolysis Technique: Effect of Starting Solution Composition and Substrate Temperature on the Physical Characteristics.

### RESÚMENES DE PARTICIPACIÓN EN CONGRESOS NACIONALES E INTERNACIONALES

### XXIV INTERNATIONAL MATERIALS RESEARCH CONGRESS, AUGUST 15-20, 2015, CANCUN MEXICO

**J. Vinoth Kumar, Y. Matsumoto, A. Maldonado, *M. Olvera*.** Next generation pollution detection sensor.

**J. Vinoth Kumar, Y. Matsumoto, A. Maldonado, *M. Olvera*.** Enhanced figure of merit of (Al, In) codoped ZnO thin films for TCO applications.

**Jacob Morales, *María de la Luz Olvera Amador*, Arturo Maldonado Alvarez.** Photocatalytic and gas sensing applications of TiO<sub>2</sub> Nanoparticles.

**Jacob Morales, *María de la Luz Olvera Amador*, Arturo Maldonado Alvarez.** Photocatalytic and gas sensing applications of TiO<sub>2</sub> films prepared by Doctor Blade method.

**Rodríguez-Rosales, E. Campos Gonzalez, A. Guillén-Cervantes, J. Santoyo-Salazar, *M. de la L. Olvera*, J. S. Arias Cerón, S. Mayen-Hernández, G. Contreras-Puente, F. De Moure-Flores.** CdS thin films grown on flexible substrates by chemical bath deposition.