

Rezumate la conferințe internaționale

2012

1. GHIMPU, L. ; PAUporté, T. ; GUÉRIN, V. M. ; LUPAN, O. ; TIGINYANU, I. **Synthesis of Nanofibrous ZnO by Magnetron Sputtering and its Integration in Dye-Sensitized Solar Cells.** *Renewable Energy and the Environment congress, Optical Nanostructures and Advanced Materials for Photovoltaics (PV)*, 11 November - 14 November 2012, Hotel Pullman Eindhoven Cocagne, Eindhoven, Netherlands. http://www.osa.org/Meetings/optics_and_photonics_congresses/Renewable_Energy/Submission_Guidelines.aspx
2. LAIR, V.; CASSIR, M.; LUPAN, O.; RINGUEDÉ, A.; ZIVKOVIC, L. **Electrodeposition of Ceria and Samarium-doped Ceria Nanostructured Thin Layers.** *10th Spring Meeting of the International Society of Electrochemistry* , 16-18 April, 2012. s2c-017. p.327.
3. LAIR, V.; GIFFARD, K.; LUPAN, O.; MORVAN, D.; RINGUEDÉ, A.; ROUSSEAU, F.; TASSÉ M. **Characterization of Ceria-based Layers Deposited by Low Plasma Pressure Technique for High Temperature Applications.** *10th Spring Meeting of the International Society of Electrochemistry* , 16-18 April, 2012. p.173.
4. LUPAN, O.; SONTEA, V.; RAILEAN, S.; POCAZNOI, I.; CHOW, L. **Copper and magnesium - Doped zinc oxide nanorods for device applications,** *Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012* , Lviv, 21-24 Feb. 2012, art. no. 6192725, pp. 486. ISBN: 978-1-4673-0283-8.
5. PAUporté, T.; LUPAN, O.; VIANA, B.; LE BAHERS, T.; CIOFINI, I. **ZnO Nanowire-Based LED with Tunable Near-UV to Blue Emission.** *Conférence ECLAIRAGE 2012 Eclairage et Nouvelles Technologies*, 21, 22 & 23 février 2012, Troyes, www.eclairage3.com.
6. PAUporté, T.; LUPAN, O.; VIANA, B.; LE BAHERS, T.; CIOFINI, I. **Electrodeposited ZnO nanowire-based light emitting diodes with tunable near-UV to blue emission.** *63rd Annual Meeting of the International Society of Electrochemistry.* (submission ID: Ise121065). Poster presentation in Symposium 7: Cathodic and Anodic Routes to Electrochemical Fabrication, Prague, Czech Republic. Papre s07-071. <http://event12.ise-online.org/>
7. SHISHIYANU, S.T.; GUEORGUIEV, V.K.; AMBROSIO, L.; SHISHIYANU, T.S. **ZrO2 radiation sensor.** *5th International Scientific and Technical Conference Sensor Electronics and Microsystem Technologies (SEMST-5)*, Odessa, Ukraine, June 4 – 8, 2012, p. 120.

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8. LUPAN, O.; CHOW L.; RAILEAN S.; SONTEA V.; POCAZNOI I. **Doped oxide nanoarchitectures for device applications.** *Abstract book: NANO-2011 – Cooperation and networking of Universities and Research Institutes – study by doing research.* Chisinau, Moldova, October 6-9, 2011, p. 41.
9. PAUPORTE T., LUPAN O. VIANA B. **ZnO Nanowire emitters for tunable near-UV - Blue Light emitting diodes.** *Abstract book of the E-MRS spring meeting*, Nice, France, May 9-13th 2011.
10. RAILEAN S.; LUPAN, O.; SONTEA V.; SHISHIYANU T.; SHISHIYANU S.; SIDORENKO A.; GHIMPU L. **Nickel Silicide Nanolayer Formation Using Two-Step**

Rapid Thermal Annealing. *Abstract book of the NANO-2011 – Cooperation and networking of Universities and Research Institutes – study by doing research.* Chisinau, Moldova, October 6-9, 2011, p. 42.

11. SAINSUS I.; RAILEAN S.; ROTARU A.; BABAC V.; PIATIGHIN S.; CONEV A.; RUSEV I.; POSTORONCA S.; SCERBII D. **Millimeter Wave Nonthermal Therapeutic Device Based on Paralle I-Strip Technology.** *Abstract book of the NANO-2011 – Cooperation and networking of Universities and Research Institutes – study by doing research.* Chisinau, Moldova, October 6-9, 2011, p. 43.
12. VIANA B., LUPAN O. PAUPORTÉ T. **ZnO-based Nanowires for hybrid low-voltage LED.** *Abstract book of the International Conference on Luminescence 2011*, Ann Arbor, USA, June 27 - July 1st 2011.

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13. GUÉRIN, V.; PAUPORTÉ, T.; MAGNE, C.; LUPAN, O. **Electrodeposited and Sol-Gel Nanostructures for ZnO-based Dye Sensitized Solar Cells.** *In: The 6th International Workshop on Zinc Oxide and Related Materials Changchun, China August 5-7, 2010* Abstract Book Page. 151; Poster SESSION A.
14. LAIR, V.; ALBIN, V.; CEROVIC, L.; LUPAN, O.; RINGUEDÉ, A. **Nanostructured Ceria-based Thin Layers Obtained by Electrodeposition.** *In: The 61st Annual Meeting of the International Society Electrochemistry. Electrochemistry from Biology to Physics. Symposium 7.* September 26-October 1, 2010, Nice, France, Program, poster # s07-P-026, p. 158.
15. LUPAN, O.; PAUPORTÉ, T.; PELLÉ, F.; VIANA, B. **Nanowires for hybrid low-voltage UV-LED.** *In: 3rd Mediterranean Conference on Nanophotonics, MediNano-3*, Book of Abstracts, Oral present. Belgrade, Serbia, 18 - 19 Oct. 2010, Session 4, p 44.
16. LUPAN, O.; PAUPORTE, T.; VIANA, B.; CORTES, R. **Low-Voltage UV-electroluminescence from ZnO-nanowire arrays Light Emitting Diodes.** *In: The 6th International Workshop on Zinc Oxide and Related Materials Changchun, China August 5-7, 2010* Abstract Book, Page 84. Oral Session G: Light Emitting Devices, P 84.
17. PAUPORTÉ, T.; GUÉRIN, V.; MAGNE, C.; LUPAN, O. **A Comparative Study of Dye Sensitized Solar Cells Based on Electrodeposited and Sol-Gel ZnO Functionalized Nanostructures.** *In: The 61st Annual Meeting of the International Society Electrochemistry. Symposium 7.* Sept. 26th - October 1st, 2010, Nice, France Program, poster # s13-P-042 p. 194.
18. PAUPORTÉ, T.; LE BAHERS, T.; GUÉRIN, V.; MAGNE, C.; LUPAN, O.; CIOFINI, I. **DSCs based on Electrodeposited ZnO Nanostructures sensitized with Indoline organic dyes.** *In: HOPV2010 Hybrid and Organic Photovoltaics Conference, 23-27 May 2010*, Assisi, Italy, Hybrid and Organic Photovoltaics 2010 Book of Abstracts, p.109
19. PAUPORTE, T.; LUPAN, O. ; VIANA, B.; CORTES, R. **Epitaxial Electrodeposition of ZnO Nanowire Arrays on p-GaN for Efficient UV-Light Emitting Diode Fabrication.** *In: The 61st Annual Meeting of the International Society Electrochemistry. Electrochemistry from Biology to Physics. Oral, Symposium 7: Electrodeposition for Material Synthesis and Nanostructure Fabrication*, September 26-October 1, 2010, Nice, France, p. 58.
20. RUSU, A.; MACHEDON, A.; ȘIȘIANU, S.; ȘIȘIANU, T.. **Tehnologii Web pentru sistem de monitorizare ecologic.** *In: International Symposium “Quality Control and Metrology of Environmental Factors (IS.CMEQF - 01)”*, Iași, România, November 2010.

21. SHISHIYANU, S.; SHISHIYANU, T. **Impact of light quantum in Rapid Photothermal Diffusion of Zn in GaAs.** *In: International Semiconductor Conference, CAS 2010, România, Sinaia, October 2010.*
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25. KHALLAF, H.; CHAI, G.; LUPAN, O.; CHOW, L.; HEINRICH, H.; PARK, S.; SCHULTE, A. **Investigation of chemical bath deposition of ZnO thin films using six different complexing,** *In: FL 31st Symposium on Applied Surface Analysis 2009 Annual Joint Symposium & Exhibition Florida Chapter of the AVS Science and Technology Society (FLAVS), Florida Society for Microscopy (FSM). UCF Orlando, p.1.*
26. LUPAN, O.; CHAI, G.; CHOW, L.; EMELCHENKO, G.; URSAKI, V.; GRUZINTSEV, A.; TIGINYANU, I.; REDKIN, A.; HEINRICH, H. **Ultraviolet photoconductive sensor employing a single ZnO nanowire,** *In: E-MRS 2009 Spring Meeting, Strasbourg, France, June 8 - 12, 2009. p.1-4..*
27. SHISHIYANU, S.; YILMAZ, E.; TURAN, R. **Radiation sensors based on high-k ZnO₂,** **Kongres Ulusal Metal Yariletken ve Oksit Materyallerin Üretilmesinde Kullanılan Sistemler ve Analiz Teknikleri,** *In: MYOMAT 2009, Eskişehir, 15-17 Haziran, 2009,*

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29. CHOW, L.; LUPAN, O.; CHAI, G.; SONTEA, V. **Self-assembly arrayed one-dimensional ZnO nanorods by hydrothermal technique,** (Poster Presentation), *In: 2008 NSTI Nanotechnology Conference and Trade Show, June 1-5, 2008, Boston, Massachusetts, U.S.A. p.1.*
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