

## Publications de l'Axe 2 – partie énergie - 2015

Nicolas Camara

Revue à comité de lecture et à diffusion internationale

A. S. Dahiya et al., "Zinc oxide sheet field-effect transistors," *Appl. Phys. Lett.*, vol. 107, no. 3, 2015.

C. Opoku et al., "Fabrication of ZnO nanowire based piezoelectric generators and related structures," in *Physics Procedia*, 2015, vol. 70, pp. 858–862.

C. Opoku, A. S. S. Dahiya, F. Cayrel, G. Poulin-Vittrant, D. Alquier, and N. Camara, "Fabrication of field-effect transistors and functional nanogenerators using hydrothermally grown ZnO nanowires," *RSC Adv.*, vol. 5, no. 86, pp. 69925–69931, 2015.

G. Poulin-Vittrant et al., "Fabrication and characterization of ZnO nanowire-based piezoelectric nanogenerators for low frequency mechanical energy harvesting," in *Physics Procedia*, 2015, vol. 70, pp. 909–913.

C. Opoku et al., "Fabrication of high performance field-effect transistors and practical Schottky contacts using hydrothermal ZnO nanowires," *Nanotechnology*, vol. 26, no. 35, p. 355704, 2015.

C. Oshman et al., "Energy harvesting using galvanically synthesized piezoelectric ZnO nanorods on flexible polymer film," in *ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)*, 2015, vol. 6B–2015, pp. 1–5.

A. S. Dahiya et al., "Temperature dependence of charge transport in zinc oxide nanosheet source-gated transistors," *Thin Solid Films*, vol. 617, pp. 114–119, 2015.

T. Qiao, F. Retraint, R. Cogranne, and C. Zitzmann, "Steganalysis of JSteg algorithm using hypothesis testing theory," *Eurasip J. Inf. Secur.*, 2015.

Nadia Martaj

Colloques internationaux avec actes

M. Mahdaoui, S. Kouidri, R. Bennacer, N. Martaj, and M. M. Ali, "Energy efficiency of thermoacoustic systems - Study of acoustic streaming in standing wave resonator," in *2015 3rd International Renewable and Sustainable Energy Conference (IRSEC)*, 2015, pp. 1–5.

N. Martaj « Utilisation des matériaux à changement de phase pour le rafraîchissement et l'amélioration de la qualité de l'air dans le bâtiment » Mai 2015

N. Martaj "Solar cells based on GaAs: thermal behavior study" Avril 2015

N. Martaj "Phase change materials for cooling and better air quality" Juin 2015

N. Martaj « Etude des transferts thermique et massique dans un milieu poreux en présence des nanofluides » Octobre 2015

N. Martaj "Flow and heat transfer in thermos-acoustic resonators implicit 2D" Décembre 2015