



GEMaC

Groupe d'Étude
de la Matière Condensée

PUBLICATIONS ET THÈSES NSP 2013

- Neumann-Spallart, M., Shinde, S.S., Mahadik, M., Bhosale, C.H.,

"Photoelectrochemical degradation of selected aromatic molecules"

Electrochimica Acta 111, p. 830-836

[Lire l'article](#)

- Stenger, I., Pinault-Thaury, M.A., Kociniowski, T., Lusson, A., Chikoidze, E., Jomard, F.,
Dumont, Y., Chevallier, J., and Barjon J.,

"Impurity-to-band activation energy in phosphorus doped diamond"

J. of Appl. Phys, **114**, 073711

[Lire l'article](#)

- Souissi, A., Haneche, N., Meftah, A., Sartel, C., Vilar, C., Lusson, A., Galtier, P., Sallet,
V., and Oueslati, M.,

**"Structural and optical characterisations of nitrogen doped ZnO nanowires grown
by MOCVD"**

Journal of Luminescence, 2013. **136** : p.265-269

Lire l'article

- Sallet, V., Sartel, C., Vilar, C., Lusson, A., and Galtier, P.,

"Opposite crystal polarities observed in spontaneous and vapor-liquid-solid grown ZnO nanowires"

Applied Physics Letters, 2013. **102**(18)

Lire l'article

- Montenegro, D.N, Hortelano, V, Martinez, O., Martinez-Tomas, M.C., Sallet, V., Munoz-Sanjose, V., and Jimenez, J.,

"Non-radiative recombination centres in catalyst-free ZnO nanorods grown by atmospheric-metal organic chemical vapour deposition"

Journal of physics D-Applied Physics, 2013. **46**(23)

Lire l'article

- Marzouki, A., Sayari, A., Jomard, F., Sallet, V., Lusson, A., and Oueslati, M.,

"Carrier gas and VI/II ratio effects on carbon clusters incorporation into ZnO films grown by MOCVD"

Materials Science in Semiconductor processing. 2013. **16**(3) : p.1022-1028

Lire l'article

- Chikoidze, E., Boshta, M., Sayed, M.H., and Dumont, Y.,

"Large room temperature magnetoresistance of transparent Fe and Ni doped ZnO thin films",

J. Appl. Phys.113,043713(2013)

Lire l'article

- Hong, N.H., Kanoun, M.B., Goumri-Said, S., Song, J.H., Chikoidze, E., Dumont, Y., Ruyter, A., and Kurisu, M.

"The origin of magnetism in transition metal-doped ZrO₂ thin films : experiment and theory"

J. Phys. Condens Matter, 2013. 25(43) : p 436003

Lire l'article