

# PUBLICATIONS 2019 - INGÉNIERIE DES SURFACES

J. Asad, S.K. Kamel Shaat, H. Musleh, N. Shurrab, A. Issa, [A. Lahmar](#), A. Al Kahlout, N. Al Dahoudi : *Perovskite solar cells free of hole transport layer*,

[Journal of Sol-Gel Science and Technology](#) **90**, 443

A. Bendjerad, A. Benhaya, M. Zergoug, F. Smaili, [A. Lahmar](#), M. Yakhlef, S. Boukhtache, F. Djefla : *Structural and magnetic study of the influence of thickness on multilayer (Ni/NiO) deposits at room temperature*  
[International Conference on Communications and Electrical Engineering \(ICCEE\)](#) 1-5

EV Chatzidouros, A Traidia, RS Devarapalli, DI Pantelis, TA Steriotis, [M. Jouiad](#) : *Fracture*

## LABORATOIRE DE PHYSIQUE DE LA MATIÈRE CONDENSÉE

*toughness properties of HIC susceptible carbon steels in sour service conditions*

[International Journal of Hydrogen Energy](#) **44(39)**, 22050-22063

H Gherras, A Yahiaoui, A Hachemaoui, A Belfedal, A Dehbi, [A Zeinert](#): *Synthesis and characterization of poly(pyrrole-co-2-nitrocinnamaldehyde) (PPNC), a new copolymer for solar cells applications*

[Polymers and Polymer Composites](#), 0967391119872876

J Terrien, L Petit, Z Yanha, [O Carton](#), H Al Hajjar, [A Zeinert](#), F Lamarque : *Electromagnetic Digital Microactuators Remote Control by a Parallel Dual Wavelengths Optical Communication System*

[IEEE/ASME Transactions on Mechatronics](#) **24** (4), 1608-1616

F Lamarque, C Prella, H Al Hajjar, J Terrien, [A Zeinert](#) : *Free space optical communications device*

[US Patent](#) **10,298,324**

O Depablos-Rivera, [H Bouyanfif](#), [A Zeinert](#), [F Le Marrec](#), SE Rodil : *Synthesis of Bi<sub>2</sub>SiO<sub>5</sub> thin films by confocal dual magnetron sputtering-annealing route*

[Thin Solid Films](#) **688**, 137258

I Tiffour, S Bassaid, A Dehbi, A Belfedal, AHI Mourad, [A Zeinert](#) : *Realization and characterization of a new organic thin film semiconductor*

[Surface Review and Letters](#) **26** (01), 1850127

R Baghdad, A Reggad, R Lardjani, T Sahraoui, [N Lemée](#), [J Belhadi](#), [A Zeinert](#), [M Clin](#), [K Zellama](#) : *Bismuth Doping Effect on Structural and Optical Properties of Nanocrystalline SnO<sub>2</sub> Thin Films Grown by Ultrasonic Spray Pyrolysis Method*

[Journal of Nanoelectronics and Optoelectronics](#) **14**(1), 59-71

K Chebbah, R Baghdad, A Belfedal, A Reggad, [A Zeinert](#), [M Clin](#), [K Zellama](#) : *Structural and Optical Properties of N and Mn co-doped ZnO Thin Films Grown by Ultrasonic Spray Pyrolysis Method*

[Journal of Nanoelectronics and Optoelectronics](#) **14**(1), 39-49