

CuZnInSe₃-based solar cells: Impact of copper concentration on vibrational and structural properties and device performance

Guk Maxim¹², Oliva Florian¹, Kondrotas Rokas¹, Alcobé Xavier³, Placidi M.¹, Pistor Paul¹, Saucedo Edgardo M.¹, Perez-Rodriguez Alejandro¹³, Izquierdo-Roca Víctor¹

¹ Catalonia Institute for Energy Research (IREC), Barcelona,

² Institute of Applied Physics,

³ University of Barcelona

Progress in Photovoltaics: Research and Applications

Nr. 8(27) / 2019 / ISSN 1062-7995

Disponibil online 23 October, 2019. Descarcări-0. Vizualizări-756

Characterization of Cu₂SnS₃ polymorphism and its impact on optoelectronic properties

Oliva Florian¹, Arques Laia¹, Acebo Laura¹, Guk Maxim², Sanchez Yudania¹, Alcobé Xavier³, Perez-Rodriguez Alejandro¹³, Saucedo Edgardo M.¹, Izquierdo-Roca Víctor¹

¹ Catalonia Institute for Energy Research (IREC), Barcelona,

² Institute of Applied Physics, Academy of Sciences of Moldova,

³ University of Barcelona

Journal of Materials Chemistry A

Vol. 5, / 2017 / ISSN 2050-7488 / ISSN_e 2050-7496

Disponibil online 9 July, 2018. Descarcări-0. Vizualizări-829

Resonant Raman scattering based approaches for the quantitative assessment of nanometric ZnMgO layers in high efficiency chalcogenide solar cells

Guk Maxim¹², Hariskos Dimitrios³, Calvo-Barrio L.⁴, Jackson Philip B.³, Oliva Florian², Pistor Paul², Perez-Rodriguez Alejandro²⁴, Izquierdo-Roca Víctor²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Catalonia Institute for Energy Research (IREC), Barcelona,

³ Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW), Stuttgart,

⁴ University of Barcelona

Scientific Reports

Vol. 7, / 2017 / ISSN 2045-2322

Disponibil online 1 February, 2018. Descarcări-0. Vizualizări-778
