

## Journal Publications

"Restoration of defaced serial numbers using lock-in infrared thermography (Part I)", *Journal of Spectral Imaging*, (2019) 8, Ikwulono Unobe, Lisa Lau, John Kalivas, Rene Rodriguez and Andrew Sorensen

"Restoration of defaced serial numbers using lock-in infrared thermography (Part II)", *Journal of Spectral Imaging*, (2019) 8, Ikwulono Unobe, Lisa Lau, John Kalivas, Rene Rodriguez and Andrew Sorensen

"The Effect of Tin on PECVD-Deposited Germanium Sulfide Thin Films for Resistive RAM Devices", *Materials Sciences and Applications*, (2017) 8, 188-196. Rodriguez, R., Poulter, B., Gonzalez, M., Ali, F., Lau, L., Mangun, M.

"GeS<sub>2</sub> and GeSe<sub>2</sub> PECVD from GeCl<sub>4</sub> and Various Chalcogenide Precursors," Rodriguez, R. G., Whitham, P., Strommen, D., Lundell, S., Lau, L. (2014). *Plasma Chem Plasma Process*, 34(4), 755766.

"Fabrication and Characterization of Thin Film Solar Cell Made From CuIn<sub>0.75</sub>Ga<sub>0.25</sub>S<sub>2</sub> Wurtzite Nanoparticles" Pak, J. J., Rodriguez, R. G., Zhang, F., Sun, C., Bajracharya, C.. *Journal of Nanomaterials*, 2013 (Article ID 320375 ed., pp. 5)

"A Large Scale Synthesis and Characterization of Quaternary CuIn<sub>x</sub>Ga<sub>1-x</sub>S<sub>2</sub> Chalcopyrite Nanoparticles via Microwave Batch Reactions," Chivin Sun, Richard Westover, Gary Long, Cyril Bajracharya, Jerry Harris, Alex Punnoose, René G. Rodriguez and Joshua J. Pak *Int. J. Chem. Eng*, Article ID 545234, 2011.

"Thin Film Growth of Germanium Selenides from PECVD of GeCl<sub>4</sub> and Dimethyl Selenide," Patrick J. Whitham, Dennis P. Strommen, Lisa D. Lau, and René G. Rodriguez *Plasma Chem. Plasma Proc.*, 31(2), 251, 2011.

"Controlled Stoichiometry for Quaternary CuIn<sub>x</sub>G<sub>1-x</sub>S<sub>2</sub> Chalcopyrite Nanoparticles from Single Source Precursors via Microwave Irradiation," Chivin Sun, Joseph S. Gardner, Gary Long, Cyril Bajracharya, Aaron Thurber, Alex Punnoose, René G. Rodriguez, and Joshua J. Pak, *Chem. Mat.*, 26992701, 2010.

"A High Yield Synthesis of Chalcopyrite CuInS<sub>2</sub> Nanoparticles with Exceptional Size Control," Chivin Sun, J. Gardner, E. Shurdha, K. Marguleieux, R. Westover, L. Lau, G. Long, C. Bajracharya, C. Wang, A. Thurber, A. Punnoose, R. Rodriguez, and J. Pak., *J. Nanomaterials*, 748567, 2009.

"Rapid and Size Controlled Synthesis of CuInS<sub>2</sub> Nanoparticles via Microwave Irradiation", J. Gardner, E. Shurdha, L. Lau, C. Wang, R. Rodriguez, and J. Pak, *J. Nanoparticle Research*, 10, 633-641, (2008).

"Thermal Lensing in a Supercritical Water Medium," R. Rodriguez, S. Mezyk, C. Stewart, H. Rollins, B. Mincher, R. Fox, B.J. Phillips and R. Brey, *J Phys. Chem A*, 113(3), 468-471, 2007.

"Rapid and Size Controlled Synthesis of CuInS<sub>2</sub> Nanoparticles via Microwave Irradiation", J. Gardner, E. Shurdha, L. Lau, C. Wang, R. Rodriguez, and J. Pak, J. Nanoparticle Research, 10, 633-641, (2008).

"Pulsed-Spray Radiofrequency PECVD of CuInS<sub>2</sub> Thin Films," R.G. Rodriguez, D. Pulsipher, L. Lau, E. Shurdha, J.J. Pak, M. Jin, K. Banger, and A. Hepp, Plasma Chem. Plasma Proc., 26(2), 137, 2006.

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