

JORGE LUIS CHOLULA DÍAZ, DR.

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RESEARCH FIELDS

- Solution and aerosol-based synthesis of semiconductor and metallic nanomaterials for optoelectronic applications.
- Synthesis and characterization of nanographene thin films.

PROFESSIONAL POSITIONS

07/2015 - Present	TECNOLOGICO DE MONTERREY <i>Research Professor</i> <i>Optics & Lasers Group, School of Engineering and Sciences</i> <i>Department of Chemistry and Nanotechnology</i>	Monterrey, Mexico
2011 - 2014	UNIVERSITÄT LEIPZIG <i>Research Assistant</i> <i>Research group: Solid State Chemistry/Materials Science</i>	Leipzig, Germany
2007-2008	TECNOLOGICO DE MONTERREY <i>Research Assistant</i> <i>Department of Chemistry (now Department of Chemistry and Nanotechnology)</i>	Monterrey, Mexico
2006	CAESAR (Center of Advanced European Studies and Research) <i>Research Assistant</i> <i>Research group: Nanoparticle Technology Group</i>	Bonn, Germany

EDUCATION

2008 - 2013	UNIVERSITÄT LEIPZIG <i>Doctor of Natural Sciences (Chemistry)</i>	Leipzig, Germany
2002 - 2007	TECNOLOGICO DE MONTERREY <i>Bachelor of Science in Chemistry</i>	Monterrey, Mexico

HONORS AND AWARDS

2017	Sistema Nacional de Investigadores (SNI), Nivel Candidato CONACyT	
04/2016	Workshop in Micro/Nanofabrication Massachusetts Institute of Technology (MIT), Cambridge, Boston, USA	
09/2008-09/2011	Scholarship for doctoral studies at Universität Leipzig Excellence Graduate School "Leipzig School of Natural Science –Building with Molecules and Nano-objects (BuildMoNa)", Leipzig, Germany	
06-07/2008	International Summer Research Program Nanosystems Initiative Munich (NIM), Munich, Germany	

PUBLICATIONS

Journal Articles

4. Jorge L. Cholula-Díaz, J. Barzola-Quiquia, M. Videa, Ch. Yin and P. Esquinazi. "The frequency-dependent AC photoresistance behavior of ZnO thin films grown on different sapphire substrates". ***Phys. Chem. Chem. Phys.***, 19: 23919-23923 (2017).
- *Communication*
3. J. L. Cholula-Díaz, G. Wagner, D. Friedrich, O. Oeckler, H. Krautscheid. "Synthesis of CuInS₂ nanocrystals from a molecular complex – characterization of the orthorhombic domain". ***Dalton Trans.***, 44:14227-14234 (2015).
- *Inside Front-cover*
2. J. L. Cholula-Díaz, J. Barzola-Quiquia, H. Krautscheid, C. Kranert, T. Michalsky, P. Esquinazi, M. Grundmann. "Conducting behavior of chalcopyrite-type CuGaS₂ crystals under visible light". ***Phys. Chem. Chem. Phys.***, 16: 21860-21866 (2014).
1. J. L. Cholula-Díaz, J. Barzola-Quiquia, H. Krautscheid, U. Teschner, P. Esquinazi. "Synthesis and magnetotransport properties of nanocrystalline graphite prepared by aerosol assisted chemical vapor deposition." ***Carbon***, 67: 10-16 (2014).