## Posters II

Nicolas Albenge	Plasmonically Enhanced Solar Water Splitting with TiO <sub>2</sub> /Au/Pt Nanoparticles in PDMS Sponges
Ezat Kheradmand	Development and Optimization of RoHS- Compliant In(As,P) Colloidal Quantum Dots for Enhanced Optoelectronic Devices
David Kovács	Controlling the photofunctional properties of heterostructured Cu <sub>2</sub> O/Au nanoparticles by the arrangement of gold
Pannan Kyesmen	Tuning the surface properties of CuO films using the precursor aging approach for enhanced photoelectrocatalytic reactions
Sanaa Lahlali	A Comparative study of pressure effect on the structural, electronic and optical properties of LaXO <sub>3</sub> (X = AI, In, Ga) for Optoelectronic Applications
Lukas Lang	Surface Lattice Resonances in Plasmonic Gold Nanocone Arrays
Fedor Lipilin	An investigation into the potential of lanthanum oxide halides as gate dielectric materials in transistors
Mario Martin	Plasmonic nanoantennas for boosting TMDC based photodetection
Simone Mearini	Engineering the Electronic and Spin Configuration in 2D Metal-Organic Frameworks through Transition Metal Core Selection
Salma Naimi	Unveiling γ-Cul as a Promising Hole Transporting Material: A DFT Investigation for Enhanced Perovskite Solar Cells

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Ronja Piehler	Space- and Time-Resolved Mapping of the Charge Carrier Diffusion in Nanostructured Organic-Inorganic Perovskites
Ifra Saeed	Electrodeposited Zirconium Titanate Thin Films: Structural, Magnetic, and Dielectric Properties for Spintronic Applications
Kalyan Jyoti Sarkar	Layered metal thio (seleno) phosphates for broad-band optoelectronics
Syed Abdul Basit Shah	Mn-Doped CsPbBr <sub>3</sub> perovskites for Luminescent Solar Concentrators and Photocatalysis
Melanie Sommer	Dielectric nanoantennas for optical studies on colloidal TMDC nanosheets
Lorenzo Tallarini	Exciton Dynamics in Perovskite Nanocrystal Superlattices with Different Interparticle Distance
Moritz Wehrmeister	Direct Observation of Hole Drift and Diffusion in Contacted Nanowires Under Local Illumination