Poster Session B - Wednesday

Name	Please enter your poster title	Select the research theme your work applies to. Select the most relevant.
Gus Bonin	Self-Assembly of Plasmonic Near-Perfect Absorbers of Light: The Effect of Particle Size	Theme 2 - Control of Excitons
Michael Wilms	Molecular Containers for Nanocrystal Synthesis: Towards Microporous Photosensitisers	Theme 1 - Excitonic Systems for Solar Energy Conversion
Gokalp Engin Engin Akinoglu	Vibrational strong coupling with free standing PET films	Other
Wenxin Mao	Efficient modulation of exciton kinetics by light-induced ion motions in 2D perovskites	Systems for Solar Energy Conversion, Theme 2 - Control of Excitons, Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Lyndon Hall	Chiral Metal-Organic Frameworks for Nonlinear Optics	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Tian Zhang	Vacuum quenching fabrication of Tin/Lead perovskite solar cells	Theme 1 - Excitonic Systems for Solar Energy Conversion
Shon Kolomoisky	Colloidal Nanoparticle "Molecules": Towards Self Assembled Plexitonic Heteroparticle Nanostructures Using Oligonucleotide Hybridisation	Theme 2 - Control of Excitons
Damon de Clercq	Indirect exciton formation at the interface of an organic semiconductor and MoS2	Theme 2 - Control of Excitons
Rugang Geng	Sub-micron spin-based magnetic field imaging with an organic light emitting diode	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Roslyn Forecast	Triplet-Triplet Annihilation: Magnetic Field Effects in Solution	Theme 1 - Excitonic Systems for Solar Energy Conversion
Zach Levey	Spectroscopy of the Phenalenyl Radical	Other
Sepehr Ahmadi	Towards compact quantum diamond nuclear magnetic resonance spectrometers	Theme 3 - Excitonic Systems for Security, Lighting and Sensing

Nicholas Evagora	Synthesis of Mn doped ZnSeS QD's for use in Luminescent Solar Concentrators	Theme 1 - Excitonic Systems for Solar Energy Conversion
Chang Cao	Highly efficient and stable p-type ZnO nanowires with piezotronic effect for solar-to-chemical conversion	Theme 1 - Excitonic Systems for Solar Energy Conversion
Wei Luo	Interface Engineering of Low-Dimensional Materials for Optoelectronic Devices	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Miles Collins	Conformational motion and quintets in singlet fission	Theme 2 - Control of Excitons
Boer Tan	Highly Efficient Back-Contact Perovskite Solar Cells with stablized power output up to 10.9%	Theme 1 - Excitonic Systems for Solar Energy Conversion
Alicia Schuitemaker	Atomistic simulations of the conversion of PbI2 to MAPbI3	Theme 1 - Excitonic Systems for Solar Energy Conversion
Katelyn Clutterbuck	Photo-switchable metal-organic frameworks for all-optical devices	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Elizabeth Mariam Thomas	Two tales of energy harvesting	Theme 2 - Control of Excitons
Phoebe Pearce	The effect of surface structure on light trapping in thin-film layers on silicon	Theme 1 - Excitonic Systems for Solar Energy Conversion
Adesh Kushwaha	Demonstration of Quantum Enhanced Light Harvesting	Other
Jungwoo Ma	Boron and Carbazole based multi-resonance TADF derivatives for OLED efficiency	Other
Amit Kessel	Bottom-Up Patterning of Organic-Inorganic Perovskites for Designing See-Through Opto-Electronics	Theme 1 - Excitonic Systems for Solar Energy Conversion
Anchal Yadav	Asymmetric Semiconductor Nanocrystals	Theme 2 - Control of Excitons
Imali Madigasekara	Nanomaterials for Solar Energy Harvesting	Theme 1 - Excitonic Systems for Solar Energy Conversion
Anjay Manian	A first principles examination of phosphorescence	Theme 2 - Control of Excitons
Anjay Manian	Benchmarking density functionals for computing nonadiabatic couplings and internal conversion rate constants	Theme 2 - Control of Excitons

Yahui Tang	Strong light-matter coupling in solution-processed organic solar cells	Theme 2 - Control of Excitons
Inseong Cho	Thermally Activated Delayed Fluorescence in optical cavities	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Alexandra Stuart	Mechanistic Insights on Thermally Activated Delayed Fluorescence in a New Donor/Acceptor Molecule	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Lan Nguyen	Tunable magnetic and plasmonic properties in hybrid nanoparticles for multiple optical features	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Fei Zheng	The Crystalline Configuration of Quasi-2D Perovskite Films for Photovoltaics	Theme 1 - Excitonic Systems for Solar Energy Conversion, Theme 2 - Control of Excitons
Chang Cao	Highly efficient and stable p-type ZnO nanowires with piezotronic effect for solar-to-chemical conversion	Theme 1 - Excitonic Systems for Solar Energy Conversion
Siqi Deng	Maximizing charge extraction for back-contact perovskite solar cells by tuning charge transport layer ratio	Theme 1 - Excitonic Systems for Solar Energy Conversion
Trent Ralph	Iron Detection using Diamond Quantum Sensors	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Sheikh Imamul Hossain	Interpreting energy transfer between ATTO dyes on silica nanoparticles	Theme 1 - Excitonic Systems for Solar Energy Conversion
Pria Ramkissoon	Lanthanide Upconversion for Enhancing Solar Cell Efficiencies	Theme 1 - Excitonic Systems for Solar Energy Conversion
Jamie Laird	Monitoring perovskite cell degradation using photocurrent	Theme 1 - Excitonic Systems for Solar Energy Conversion
Adrian Mena	Magnetic Field Distributions in Micro-OLEDs	Theme 2 - Control of Excitons, Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Junhan Kong	Optical Imaging of Materials Below the Diffraction Limit	Theme 2 - Control of Excitons

Josh Moon	Charged Self-Assembled Monolayers: Supported Ionic Liquids as Bifunctional Passivants and Dipole Layers	Theme 1 - Excitonic Systems for Solar Energy Conversion
Naeimeh Mozaffari	Unravelling the Role of Energy Band Alignment and Mobile Ions on Interfacial Recombination in Perovskite Solar Cells	Other
Sebastian Fürer	Efficient and Stable Formamidinium-Caesium Perovskite Solar cells and Modules from Lead Acetate-Based Precursor	Theme 1 - Excitonic Systems for Solar Energy Conversion