

Poster Session A - Tuesday

Name	Please enter your poster title	Select the research theme your work applies to. Select the most relevant.
Claire Dawson	Graphene and Silver Nanowires for 2D Electronics	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Jessica Alves	Morphology effect on photochemical upconversion efficiency	Theme 1 - Excitonic Systems for Solar Energy Conversion
Yang Xu	Resolving Polymer Film Morphology with Polarised Optical Imaging	Theme 2 - Control of Excitons
Irina Zharinova	Synthesis and solvatochromic behavior of zwitterionic conjugated push-pull dyes.	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Billy Pappas	Resolving Spin in Organic Light-Emitting Diodes	Theme 2 - Control of Excitons
Rehana Pervin	Light harvesting perylene diimide polymers	Theme 1 - Excitonic Systems for Solar Energy Conversion
Sam Zaman	Lanthanide based upconverting nanoparticles for light mediated cancer therapies	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Philip Jiale Feng	Bi-excitonic Interactions in Singlet Fission and Triplet-triplet Annihilation	Theme 1 - Excitonic Systems for Solar Energy Conversion
Harini Hapuarachchi	Optical interaction of the NV ⁻ centre in diamond with a plasmonic metal nanoparticle	Theme 2 - Control of Excitons
Ella Walsh	Towards spatio-temporally resolved characterisation of nanoscale devices	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Zifei Chen	Size-Dependent Pressure Response of CdSe Quantum Dots Below the Strong Quantum Confinement Regime	Theme 2 - Control of Excitons
Rohan Hudson	Femtosecond Spectroscopy of Inter-Excited-State Dynamics in Perylene	Theme 2 - Control of Excitons
Yihan Dong	Aggregation induced emission enhancement on Au clusters	Theme 2 - Control of Excitons

Yixiong Ji	The first ITO-free CZTSSe solar cell over 10% PCE achieved with a ZnO/AgNWs/ZnO (ZAZ) matrix	Theme 1 - Excitonic Systems for Solar Energy Conversion
Daniel Balzer	The decisive role of carrier delocalisation in organic electronics	Theme 1 - Excitonic Systems for Solar Energy Conversion
Renzo Fenati	Induced Self-assembly of Nanocrystals for Luminescent Solar Concentrators	Theme 1 - Excitonic Systems for Solar Energy Conversion
Mohammad Rashedul Hasan	What drives the apolar nanoparticle to agglomerate in polar solvent?	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Philippe Holzhey	Intermediate-phase engineering via dimethylammonium cation additive for stable perovskite solar cells	Theme 1 - Excitonic Systems for Solar Energy Conversion
Daniel Kroh	Identifying the signatures of intermolecular interactions in blends of PM6 with Y6 and N4 using absorption spectroscopy	Theme 1 - Excitonic Systems for Solar Energy Conversion, Other
Kyla Rutherford	Properties of quantum structures in an electric field	Theme 2 - Control of Excitons
Daniel Tibben	Photochemical Upconversion in the Strong Coupling Regime	Theme 2 - Control of Excitons
Mykhailo Klymenko	Effect of the silicon substrate on singlet and triplet exciton binding energy in crystalline tetracene	Theme 1 - Excitonic Systems for Solar Energy Conversion, Theme 2 - Control of Excitons
Francesco Campaioli	Exciton dynamics: Beyond thermal equilibrium"	Theme 2 - Control of Excitons
Jacob Fry	Design of Experiments study to optimize a LAMP reaction for on membrane detection of SARS-CoV-2	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Gangcheng Yuan	Modal decomposition of plasmonics	Theme 2 - Control of Excitons
Wenqi Yan	Lead-free perovskite-inspired materials for photovoltaic applications	Theme 1 - Excitonic Systems for Solar Energy Conversion
Phuong Thuy Vo	A metadynamics study of the Perovskite Crystal Growth from Solution	Theme 1 - Excitonic Systems for Solar Energy Conversion

William Kendrick	Synthesis of Multi-Resonance Thermally Activated Delayed Fluorescence Emitters for Organic Electronics	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Di Wang	Quantum Nuclear Magnetic Resonance Platform using Sensors in Diamond	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Elham Gholizadeh	Improving Si solar cell efficiency using n-IR photons	Theme 1 - Excitonic Systems for Solar Energy Conversion
Ian Thomas	Spectrally Selective Modules for Agrivoltaic Applications	Theme 1 - Excitonic Systems for Solar Energy Conversion
Nicholas Sloane	Towards a perovskite-sensitised upconverting LED	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Jialu Li	Gold Nanodrum Resonators	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Dingchen Wen	Synthesis of Size-Tunable Indium Nitride Nanocrystals	Theme 2 - Control of Excitons
Naufan Nurrosyid	Facile Synthesis of Indium Antimonide Nanoparticles Through Microwaves Assisted Method	Theme 2 - Control of Excitons
Qingdong Lin	Fabrication, Structural Modification, and Characterisation of Lead-Free Cs ₃ Bi ₂ Br ₉ Perovskite Single Crystals	Theme 1 - Excitonic Systems for Solar Energy Conversion, Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Juan Felipe Benitez Rodriguez	Free-antisolvent Method for Formamidinium-Cesium Mixed-Cation for Scalable and R2R Fabrication of Perovskite Solar Cells	Theme 1 - Excitonic Systems for Solar Energy Conversion
Yazhuo WANG	A Theoretical Investigation of Toroidal Moments in Large Cyclic Coordination Clusters Showing Single-Molecule Magnets Behaviour	Other
Maria Bravo	Advanced cell models and multifunctional nanomaterials for light-mediated cancer therapies	Theme 1 - Excitonic Systems for Solar Energy Conversion
Adam Surmiak Selina Süzeroğlu	Automated Machine Learning UV-Vis Characterization and Data Extraction System	Theme 1 - Excitonic Systems for Solar Energy Conversion, Theme 3 - Excitonic Systems for Security, Lighting and Sensing

Angela Keyte	The simplest reaction path leads to highly efficient kesterite solar cells	Theme 1 - Excitonic Systems for Solar Energy Conversion
Lesly Melendez Correa	Imaging Localised Surface Plasmon Damping in Asymmetric Metal–Semiconductor Nanostructures Via Electron Energy Loss Spectroscopy	Theme 1 - Excitonic Systems for Solar Energy Conversion
Eliza Rokhsat	Growth and Characterisation of Mono and Few layer WS ₂	Theme 3 - Excitonic Systems for Security, Lighting and Sensing
Thomas MacDonald	Exciton Logic	Theme 2 - Control of Excitons
Alison Goldingay	Dual direction energy harvesting in non-fullerene OPV blends	Theme 1 - Excitonic Systems for Solar Energy Conversion