

## Poster Presentations

Poster No.	First Name	Last Name	Organisation	Paper Title
1	Onajite Theresa	Abafe Diejomaoh	University Of Bristol, Bristol Composite Institute	Gel electrolytes based on cellulose acetate and a high lithium concentration phosphonium ionic liquid for high performing lithium-ion batteries
2	Mina	Ardani		Exsolution of Ultrasmall Pt Nanoparticles on High-Surface Area Mesoporous Assemblies of La <sub>0.985</sub> Ba <sub>0.015</sub> Al <sub>0.99</sub> Pt <sub>0.01</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> Towards Superior Selective Catalytic Oxidation of Ammonia
3	Nilanthy	Balakrishnan	Keele University	Symmetric double-layer capacitor with natural rubber and sodium salt-based solid polymer electrolyte and reduced graphene oxide electrodes
4	Habibat	Chahul	University of Cambridge	Corrosion Behaviour of the Zinc Anode in Aqueous Zinc-ion Batteries (Poster Presentation)
5	George	Creasey	Imperial College London	Up-scaling photoelectrochemical reactors – lab-scale optimisation to outdoor field testing
6	Will	Dawson		Predicting Crack Formation in Drying Slurry Cast Electrodes with In Situ X-ray CT
7	David J	Dunstan	Queen Mary University of London	Reappraisal of paths to decarbonising GB electricity generation in 2030
8	Mahwash Mahar	Gul	University of Birmingham	Lithium-ion high power cell: Lithiumwerks 26650 Battery Parameterization
9	Yi-Teng	Huang		A study on the optoelectronic properties of an emerging perovskite-inspired material - NaBiS <sub>2</sub>
10	G M Sadrul	Islam	Simap Lab, Cnrs-uga	Lithium Ionic Conductors from the Li <sub>3</sub> PS <sub>4</sub> -Li <sub>4</sub> Si <sub>4</sub> Binary Thio-LISICON System
11	Ramsha	Khan	University of Surrey	Optimization of Powdered NiMo Electrocatalysts for Hydrogen Evolution Reaction: Influence of pH and Ni Composition
12	Capucine	Mamak	University of Cambridge	Investigating the impact of mechanical strain on the optoelectronic properties of metal halide perovskites in four dimensions
13	Kinga	Mastej	Imperial College London	Semiconducting Materials from Analogy and Chemical Theory
14	Louise	Oldham	Imperial College London	Spectroscopic insights into the electrochemical origins of quasi-Fermi level splitting in Fe <sub>2</sub> O <sub>3</sub> photoanodes
15	Manoj	Ovhal	University of Birmingham	Investigation of Ion Solvation on Sodium-ion Diffusivity in Hard Carbon
16	Aparna	Parakkad Unnikrishnan	University of Surrey	COMPUTATIONAL INVESTIGATION OF CALENDERING EFFECTS ON ELECTRODE STRUCTURE AND PERFORMANCE USING DISCRETE ELEMENT METHOD
17	Aritra	Roy	London South Bank University	ComProScanner: A multi-agent based agile framework for high quality composition-property structured data extraction from scientific literature
18	Kezia	Sasitharan	Newcastle University	Powering the Future: Metal-Organic Nanosheets for Integrated Solar Energy Capture and Storage
19	Tayyaba	Shahzadi		Synergistic effect of trimetallic SnBiCu nanoparticles decorated on graphene oxide as high efficient electrocatalyst for fuel cell application
20	Brian	Tam	Imperial College London	Enhancing Water Splitting Photoanodes with Plasmonic Metal Nanoparticles
21	Pravin	Walke	National Centre For Nanoscience's And Nanotechnology, University Of Mumbai	Tuning Interlayers spacing in layered oxide materials for high intercalated pseudocapacitive charge storage

22	Meimei	Yang	Imperial College London	Probing in situ conductivity changes of supports for iridium oxide water oxidation electrocatalyst with the interdigitated electrodes
23		Parul	University of Strathclyde	Upcycling Pistachio Shells into High-Performance Supercapacitor Electrodes: A Sustainable Approach