



## **Prof. James Durrant**

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### **Curriculum Vitae**

James Durrant is Professor of Photochemistry in the Department of Chemistry, Imperial College London and Sêr Cymru Solar Professor, College of Engineering, University of Swansea. His research addresses the photochemistry of new materials for solar energy conversion – targeting both solar cells (photovoltaics) and solar to fuel (i.e.: artificial photosynthesis). It is based around employing transient optical and optoelectronic techniques to address materials function, and thereby elucidate design principles which enable technological development. His group is currently addressing the development and functional characterisation of organic and perovskite solar cells and photocatalysts and photoelectrodes for solar fuel generation with funding from the EPSRC, WAG, EC, NRF and industry. More widely, he founded the UK Solar Fuels Network and leads Imperial's Centre for Plastic Electronics and the Welsh government funded Sêr Cymru Solar initiative. He has published over 450 research papers and 5 patents, which have been cited over 40,000 times, leading to an h-index of 114. He was elected to a Fellow of the Royal Society in 2017 and was recently awarded its 2018 Hughes Medal.