

Angelo LEMBO – CV

Angelo Lembo obtained his Chemistry degree cum laude and PhD in Chemistry at the University of Rome Tor Vergata working on the synthesis and characterization of porphyrins for catalytic applications and for the realization of biomimetic electron-transfer architectures, coupling porphyrin with fullerene and ferrocene. He was involved for six years in the collaboration with Dyepower Consortium and CHOSE (Center for Hybrid and Organic Solar Energy of Regione Lazio) for the realization of Dye Sensitized Solar Cells modules for industrial application. During this collaboration he followed the Dye Sensitized Solar Cells stability study in compliance with IEC 61646 Standard (Thin Film Photovoltaic Modules), new materials development (Ex novo dye synthesis and modification of commercial ones) and the scaling-up and the use of new materials in Pilot Line processes, collaborating with international laboratories for new materials development, such as: Merck Germany “PV Division”, Darmstadt; Dyesol Australia Pty Ltd; Dyenamo AB Greenhouse Labs, Stockholm Sweden. His current activity is also focused on the use of porphyrin as HTM and additives in Perovskites Solar cells and in the synthesis of new organic HTM for n-i-p PSC architectures.