



Dr. Stefano LIVRAGHI

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Curriculum Vitae

Dr. Stefano Livraghi received the degree-in Chemistry in 2002 and the PhD in Chemistry in 2007, at the Università degli Studi di Torino. His current position is Research Assistant in Inorganic Chemistry at the Department of Chemistry (Università degli Studi di Torino).

Livraghi main research activity involves the synthesis and the characterization of semiconducting oxides for photochemical application. His activity is focused on the study, mainly by means of the Electron Paramagnet Resonance (EPR) technique, of the nature of both intrinsic and extrinsic defects of the solids, and of their role in dictating the physical and chemical properties of the materials. Great attention has been spent on the doping of oxides by non metallic elements such as Nitrogen, Boron and Fluorine. More recently, his research activity has also been devoted to oxide-based systems employed in water photosplitting. His research interests have also involved, in the field of renewable energy, the process of the hydrogen storage in solid materials, with particular attention to the development of additives (mainly ternary systems Mg-Nb-O) to improve the properties of absorption and desorption of hydrogen of Magnesium hydride.