

I obtained my Master's Degree in Chemical and Sustainable Processes Engineering at Politecnico di Torino (Italy) graduating with a thesis on electrocatalytic water oxidation on manganese oxide films under the supervision of prof. Marco Armandi. I then moved to the Netherlands where I got my Ph.D. in the group Inorganic Materials and Catalysis at Eindhoven University of Technology under the supervision of prof. Emiel Hensen. My PhD project was focused on the development of electrocatalysts for oxygen and (chlorine) evolution reaction, based on noble and non-noble metals, depending on the application.

After my Ph.D., I then moved to the Center for Sustainable Future Technologies, Istituto Italiano di Tecnologia (Torino, Italy), where I am currently a postdoc under the guidance of prof. Fabrizio Pirri. My actual research focuses on the synthesis and testing of materials (catalysts and binders) for water electrolyzers and electrocatalysts for the CO₂ reduction.

My general approach is designing catalysts and materials with reduced amount of scarce elements but high activity and stability to foster the spread of electrochemical devices for energy conversion.