Matteo Valt obtained his Ph.D. degree in Physics in 2020 with a thesis titled: "2D materials for room-temperature chemiresistive gas sensing" at the University of Ferrara. Previously, he obtained his M.Sc. degree in Chemistry with a thesis on Functionalization of Graphene Oxide for Gas Sensing and Cation Trapping. His research interests are related to the development and employment of novel materials for chemiresistive gas sensing in diverse fields of applications and, more recently, to in-situ/operando investigations on nanostructured powder and gas sensing devices.