

Prof. Dr. Nicola Pinna

Born in Milano on November 14, 1974



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Scientific interests:

My current research focuses on nanostructured materials, specifically on the synthesis of novel multifunctional materials, their characterization and the study of their physical properties.

The main objectives can be grouped as follows:

- 1) Synthesis of crystalline metal oxide nanoparticles, heterostructures, hybrid materials and thin films by novel nonaqueous sol-gel routes.
- 2) Assembly of the obtained materials.
- 3) Chemical and structural characterization.
- 4) Study of their physical properties: optical, electrical, electrochemical, magnetic, catalytic, gas sensing, etc.

Professional experience:

- ▷ **Since July 2012:** Professor for Functional Materials at the Humboldt-Universität zu Berlin, Germany.
- ▷ **January 2012:** Offer of a Professor position at the Humboldt-Universität zu Berlin, Germany. Accepted.
- ▷ **October 2011:** Invited Professor at the University of Montpellier II, France.
- ▷ **February 2010:** Invited Professor at the University of Paris XII, France.
- ▷ **2009-2012:** World Class University Professorship at the Seoul National University, Korea.
- ▷ **March 2009:** Invited Professor at the University of Bordeaux I, France.
- ▷ **May 2008:** Offer of a Professor position at the University of Namur, Belgium. Declined.
- ▷ **2006-2012:** Investigador Coordenador at the Department of Chemistry and CICECO, University of Aveiro, Portugal.
- ▷ **2005-2006:** Nachwuchsgruppenleiter at the Institute of Inorganic Chemistry of the Martin Luther University Halle-Wittenberg.
- ▷ **2005-2006:** Guest scientist at the Max Planck Institute of Microstructure Physics, Halle.
- ▷ **2003-2004:** Post Doc at the Max Planck Institute of Colloids and Interfaces (Professor M. Antonietti).
- ▷ **2002-2003:** Post Doc at the Fritz Haber Institute of the Max Planck Society (Professor R. Schlögl).
- ▷ **1998-2001:** PhD Thesis at the LM2N (Laboratoire des Matériaux Mesoscopiques et Nanométriques) and at the CEA (Commissariat pour l'Energie Atomique), Supervisor: Professor M.-P. Pileni. "Nanomaterials: structural studies and optical properties."
- ▷ **1997-1998:** Master: DEA Electrochemistry (University Paris VI).
- ▷ **1993-1997:** Bachelor: Physical Chemistry (University Paris VI).