



Curriculum Vitae Prof. Dr. Didier Astruc

Name: Didier Astruc

Date of birth: 9 June 1946

Research Priorities: electron transfer, catalysis, organometallic chemistry, electron storage

Didier Astruc is a French chemist working in the field of catalysis and nanoscience. His research focuses on organometallic chemistry and electron transfer processes.

Academic and Professional Career

- 2008 Gauss Professorship, Georg-August-Universität Göttingen, Göttingen, Germany
- 1990 - 1991 Visiting Professor, University of California, Berkeley, USA
- since 1983 Full Professor, University of Bordeaux, Bordeaux, France
- 1980 Assistant Professor, University of Bordeaux, Bordeaux, France
- 1977 Postdoctoral Fellow, Massachusetts Institute of Technology (MIT), Cambridge, USA
- 1975 PhD in chemistry, Université de Rennes, Rennes, France
- 1970 Degree in chemistry, Université de Rennes, Rennes, France

Functions in Scientific Societies and Committees

- 2002 - 2005 President, Coordination Chemistry Division, Société Chimique de France (SCF), France
- 2000 - 2008 Member, French National Centre for Scientific Research (CNRS), Paris, France
- 1995 - 2005 Senior Member, Academic Institute of France (IUF), France

Honours and Awarded Memberships

- since 2015 Distinguished Member, SCF, France

2012	Member, National Committee for United Nations Educational, Scientific and Cultural Organization (UNESCO), France
since 2010	Member, European Academy of Sciences and Arts
2009	Gold Medal, Italian Chemical Society, Italy
2009	Joint Prize, Italian and French Chemical Societies, Italy and France
since 2007	Member, European Academy of Sciences (EURASC)
since 2006	Member, German National Academy of Sciences Leopoldina, Germany
since 2006	Member, Academia Europaea
since 2005	Fellow, Royal Society of Chemistry, UK
2000	Le Bel Prix, SCF, France
1995	Iberdrola Science and Technology Prize, Iberdrola, S.A., Bilbao, Spain
1988	Gay-Lussac Humboldt Prize, Alexander von Humboldt Foundation, Germany

Research Priorities

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He developed the concept of “electron reservoirs” (electron-reservoir complexes), which is applied to useful stoichiometric and catalytic electron transfer reactions. He also extended the profile of his research group towards nanoscience by devoting himself to the chemistry of gold and palladium nanoparticles. Astruc developed applications in molecular electronics, molecular recognition and catalysis, such as using water as a solvent in the field of green chemistry.