

Publications

- M. De Toni, P. Pullumbi, F.-X. Coudert and A. Fuchs, « Understanding the Effect of Confinement on the Liquid-Gas Transition: a Study of Adsorption Isotherms in a Family of Metal-Organic Frameworks », *J. Phys. Chem. C* **2010**, 114, 21631-21637
- M. De Toni, F.-X. Coudert, S. Paranthaman, P. Pullumbi, A. Boutin and A. Fuchs « Properties of a Zn-triazamacrocyle metal-organic frameworks family with extraframework anions: molecular simulation and adsorption experiments » submitted to *PCCP*

Oral contributions

- « The confinement effect on the liquid-gas transition – adsorption in MOFs » presented at JFJPC11
- « The molecular simulation contribution to the study of a new porous material » presented at Journée Chimie Théorique et Modélisation de Paris.

Posters

- « Type V H₂O and CO₂ adsorption isotherms in MOFs » presented at GFZ 2010, IZC-IMMS 2010 and MOF 2010
- « Developing forcefields for molecular simulation of adsorption in metal-organic frameworks » presented at FOA-10
- « Molecular Simulation Characterisation and Adsorption Studies of a Challenging new MOF » presented at IX COPS 2011 and FEZA11.

Congress

- GFZ 2009: 25^{ème} Réunion du Groupe Français des Zéolithes, 1-3 April 2009, Port Bail, Caen, France
- GFZ 2010: 26^{ème} Réunion du Groupe Français des Zéolithes, 31 mars-2 April 2010, Presqu'île de Giens, France (POSTER: « Type V H₂O and CO₂ adsorption isotherms in MOFs »)
- FOA-10: 10th International Conference on Fundamentals of Adsorption, 23-28 may 2010, Awaji, Yogo, Japan (POSTER: « Developing forcefields for molecular simulation of adsorption in metal-organic frameworks »)

- IZC-IMMS 2010: 16th International Zeolite Conference joint with the 7th International Mesosstructural Materials Symposium, 4-9 July 2010, Sorrento, Italy (POSTER: « Type V H₂O and CO₂ adsorption isotherms in MOFs »)
- MOF 2010: Metal Organic Frameworks, 5-8 September 2010, Marseille, France (POSTER: « Type V H₂O and CO₂ adsorption isotherms in MOFs »)
- JFJPC11: 11^{èmes} Journées Francophones des Jeunes Physico-Chimistes, 17 - 21 October 2010, Autrans, Grenoble, France (ORAL CONTRIBUTION: « The confinement effect on the liquid-gas transition – adsorption in MOFs »)
- Journée Chimie Théorique et Modélisation de Paris, 4 February 2011, UPMC ED388, Paris, France (ORAL CONTRIBUTION: « The molecular simulation contribution to the study of a new porous material »)
- Journée Scientifique de l'Adsorption sur des Surfaces et dans des Matériaux Poreux, 7 April 2011, Chimie ParisTech, Paris, France (POSTER: « Type V H₂O and CO₂ adsorption isotherms in MOFs »)
- Journées de Modélisation, 18-19 May 2011, ENS and Chimie ParisTech, Paris, France
- IX COPS 2011: 9th International Symposium on Characterisation of Porous Solids, 5-8 June 2011, Dresden, Germany (POSTER: « Molecular Simulation Characterisation and Adsorption Studies of a Challenging new MOF»)
- Adsorption in Compliant Solids: Theory, Simulation and Experiments Workshop, 9-11 June 2011, Paris, France
- FEZA11: 5th International FEZA Conference, 3-7 July 2011, Valencia, Spain (POSTER: « Molecular Simulation Characterisation and Adsorption Studies of a Challenging new MOF»)

Price

June 2011: awarded with a FEZA Fellowship.