M. CLEMENT FALAISE

CHARGE(E) DE RECHERCHE
CR - Equipe MIM
Université Versailles St-Quentin-en-Yvelines > UFR des sciences > Institut Lavoisier de Versailles (ILV) >

Institut Lavoisier de Versailles (ILV)

Coordonnées

Adresse
45 avenue des États-Unis Bâtiment Lavoisier 78035 Versailles Cedex

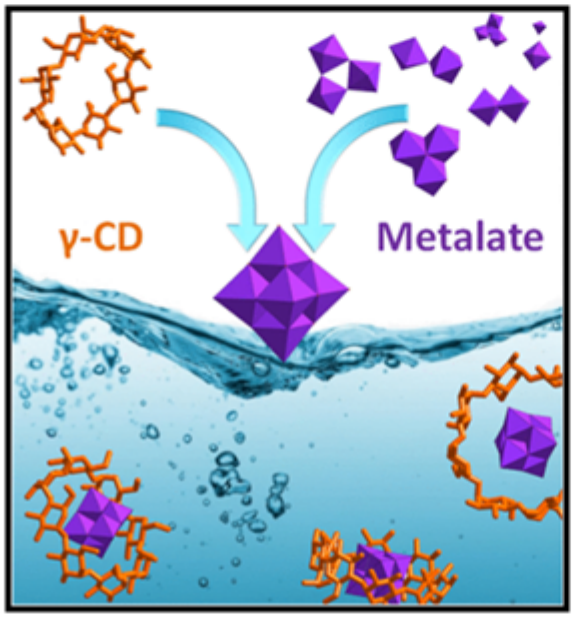
TÉL	0139254348
ADRESSE MAIL	clement.falaise@uvsq.fr
A	

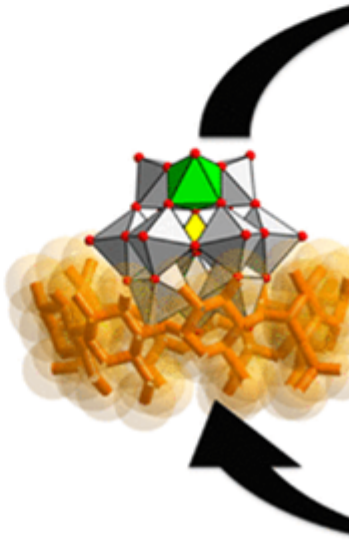
Itinéraire vers ce lieu **Site de l'UFR des Sciences** 45 avenue des États-Unis 78035 Versailles cedex

Thèmes de recherche

Topic I: Exploiting the C

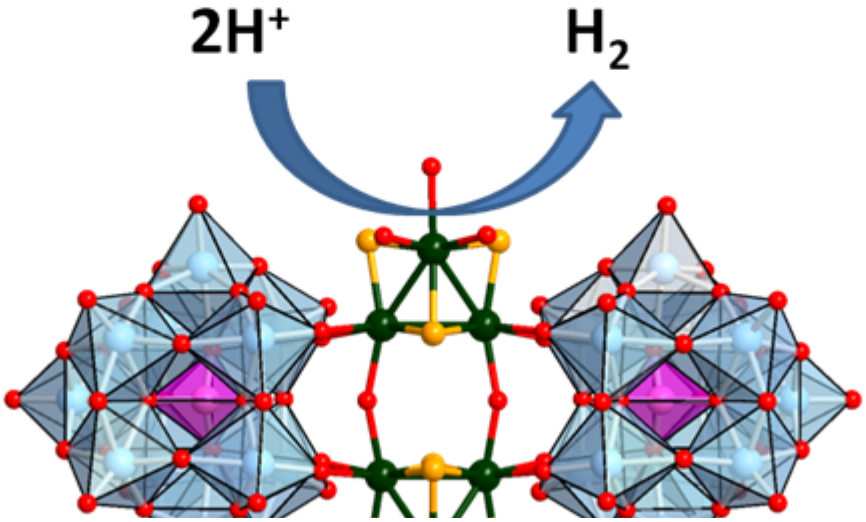
- We develop host-guest chemistr
- We use the solvent effects to ass
- We are interested by developing
- We design CD-based hybrid fram

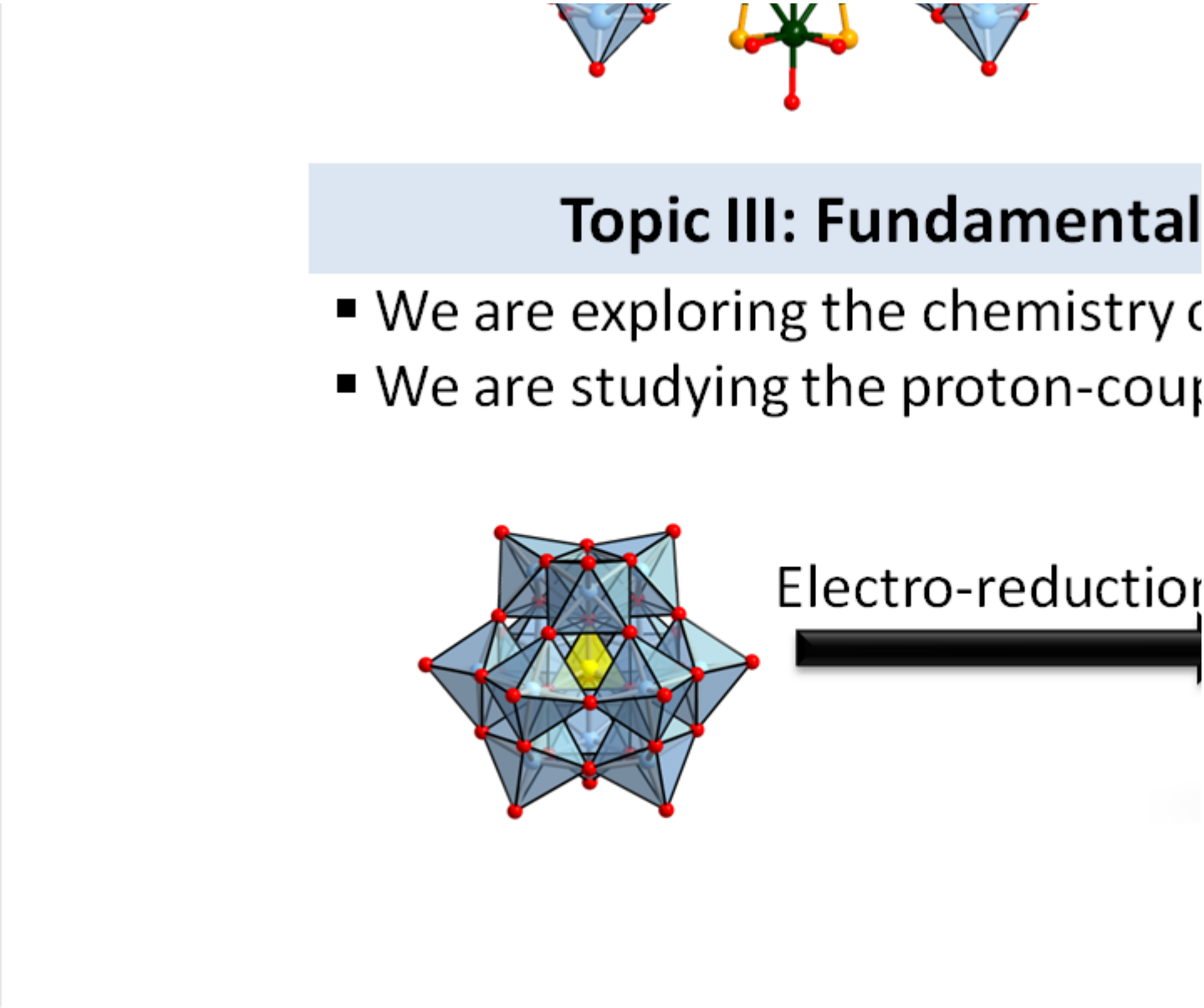




Topic II: Developi

- We develop HER electro-catalyst
- We develop photo-active system





Selection of recent publications (full list of publication)

» G. Mpacko Priso, M, Haouas, N. Leclerc, C. Falaise*, and E. Cadot; Clustering six electrons within "Dawson-like" Polyoxometalate: an open route toward its post-functionalization; **Angew. Chem. Int. Ed.** (2023), e202312457

» C. Falaise*, G. Mpacko Priso, N. Leclerc, M, Haouas and E. Cadot; Making heterometallic Metal-Metal Bonds in Keggin-type Polyoxometalates by Six-Electron Reduction Process ; **Inorg. Chem.** (2023), 62, 6, 2494-2502

» S. Khlifi, J. Marrot, M. Haouas, W. Shepard, C. Falaise* and E. Cadot; Chaotropic Effect as Assembly Motif to Construct Supramolecular Cyclodextrin-Polyoxometalate based Frameworks. **J. Am. Chem. Soc.** (2022), 144, 4469-4477

» B. Fabre*, C. Falaise* and E. Cadot; Polyoxometalates-Functionalized Electrodes for (Photo) Electrocatalytic Applications: Recent Advances and Prospects ; **ACS Catal.** (2022), 12, 19, 12055–12091

» C. Falaise*, S. Khlifi; P. Bauduin; P. Schmid; W. Shepard; A. A. Ivanov; M. N. Sokolov; M. A. Shestopalov, P. A. Abramov; S. Cordier; J. Marrot, M. Haouas and E. Cadot*; "Host in Host"

Supramolecular Core–Shell Type Systems Based on Giant RingShaped Polyoxometalates; **Angew. Chem. Int. Ed.** (2021) 60 (25), 14146-14153

Activités / CV

EDUCATION

2014 PhD University of Lille (France) / Unite de catalyse et Chimie du solide - UCCS - UMR CNRS 8181

Polymères de coordination : utilisation de matrices poreuses de type MOF pour la capture des radionucléides et cristallochimie des carboxylates d'actinides légers (Th, U) tétravalents (Supervision: Thierry Loiseau)

2011 Master University of Rennes (France) / Department of materials science

2009 Bachelor University of Rennes (France) / Department of materials science

CURRENT POSITION

2017- Researcher at CNRS (National Center for Scientific Research)

University of Paris-Saclay / Lavoisier Institute of Versailles / France

Since October 2017, I joined CNRS as a permanent researcher in the team "Molecules-Interactions-Materials" of the Lavoisier Institute of Versailles.

PREVIOUS POSITIONS

2016 – 2017 Teaching Assistant (non permanent position)

University of Rennes / Institute of Chemistry of Rennes / France

2015 – 2016 Post-doctoral Fellow

Oregon State University / Professor May Nyman/ United-States of America

2011 – 2014 Graduate Student (Supervisor: Thierry Loiseau)

University of Lille / Laboratory of Catalysis and Solid State Chemistry (UCCS) / France

Informations complémentaires

Google scholar, ORCID