

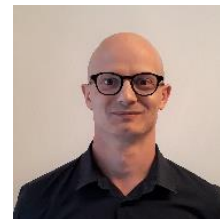
# Curriculum vitae

## Vincent CESAR

43 years old, married, 2 children

Group "Molecular Design of Transition-Metal Pre-Catalysts", Laboratoire de chimie de coordination du CNRS (CNRS-LCC, UPR 8241), 205 route de Narbonne, BP44099, 31077 Toulouse cedex 4, France

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## ACADEMIC AND PROFESSIONAL BACKGROUND

- 2020** **Senior Researcher** – Directeur de Recherche CNRS.  
Laboratoire de chimie de coordination (LCC) du CNRS (Toulouse)
- 2011** **Habilitation**. University Paul Sabatier (Toulouse)
- 2006** **Researcher Assistant**. Chargé de Recherche CNRS  
Laboratoire de chimie de coordination (LCC) du CNRS (Toulouse)
- 2004-2006** **Post-doctoral Researcher** (Alexander-von-Humboldt fellow). Supervisor: Prof. Dr. Alois Fürstner  
Max Planck Institut für Kohlenforschung (Mülheim an der Ruhr – Germany)
- 2001-2004** **PhD in chemistry**, Louis Pasteur University, Strasbourg  
PhD supervisors : Prof. Lutz H. Gade et Dr. S. Bellemin-Laponnaz
- 1999-2000** "Agrégation externe" of physical sciences, option Chemistry. Ecole Normale Supérieure de Lyon
- 1997-2001** **Magistère** des Sciences de la Matière (mention Bien).  
**Student** at the Ecole Normale Supérieure de Lyon

## RESEARCH INTERESTS

Coordination and organometallic chemistry, ligand design, homogeneous and asymmetric catalysis, N-Heterocyclic Carbenes, heterocyclic chemistry

## SCIENTIFIC RECORD

**53 publications including 37 as corresponding (co)author.** 1 Chem. Rev., 1 Chem. Soc. Rev., 5 Angew. Chem. Int. Ed., 1 J. Am. Chem. Soc., 7 Chem. Commun., 8 Chem. Eur. J., 11 Organometallics, 4 Book Chapters.

**H-index = 25.** 3302 citations

ORCID : [0000-0002-6203-6434](https://orcid.org/0000-0002-6203-6434)

**5 invited conferences** in meetings (3 abroad)

Publons : [1411259](https://publons.com/author/publons/1411259)

**12 invited seminars** in universities (4 abroad)

**25 oral communications** (since 2008)

## SELECTED PUBLICATIONS

- 1) *An original L-shape, tunable N-Heterocyclic Carbene platform for efficient gold(I) catalysis.* Y. Tang, I. Benaissa, M. Huynh, L. Vendier, N. Lugan, S. Bastin, P. Belmont, **V. César**, V. Michelet, *Angew. Chem. Int. Ed.* **2019**, *58*, 7977-7981.
- 2) *Buttressing effect as key design principle towards highly efficient palladium/N-heterocyclic carbene Buchwald-Hartwig amination catalysts.* Y. Zhang, G. Lavigne, N. Lugan, **V. César**, *Chem. Eur. J.* **2017**, *23*, 13792-13801.
- 3) *IMes-acac: hybrid combination of diaminocarbene and acetylacetonato sub-units into a new anionic ambidentate NHC ligand.* **V. César**, V. Mallardo, A. Nano, G. Dahm, N. Lugan, G. Lavigne, S. Bellemin-Laponnaz, *Chem. Commun.* **2015**, *51*, 5271-5274.
- 4) *Skeleton Decoration of NHCs by Amino Groups and its Incremental Booster Effect on the Pd-Catalyzed Buchwald-Hartwig Amination.* Y. Zhang, **V. César**, G. Storch, N. Lugan, G. Lavigne, *Angew. Chem. Int. Ed.* **2014**, *53*, 6482-6486.
- 5) *Synthetic routes to N-Heterocyclic Carbene Precursors.* L. Benhamou, E. Chardon, G. Lavigne, S. Bellemin-Laponnaz, **V. César**, *Chem. Rev.* **2011**, *111*, 2705-2733.

## OTHER ACTIVITIES

- **Manager** of the group 'Molecular Design of Transition Metal Pre-Catalysts' at LCC from 2018.
- **Supervision** of **8** PhD students, **1** post-doc, **15** master students, **19** interns (<L3)
- **Coordinator** of ANR JCJC ChirAsCat, 2011-2014 and of PHC Polonium, 2016-2017
- **Partner** of ANR collaborative projects (HEL-NHC, 2016-2020, Coord.: J. Crassous; GOLDWAR, 2016-2019, Coord.: V. Michelet) and participant in European project ITN-EJD network (CCIMC, 2020-2024, Coord.: R. Poli).
- **Organisation of conferences** : JCC **2016**, GECOM-CONCOORD **2014**, Journée Catalyse : centenaire du prix Nobel de Paul Sabatier, **2012** (chairman); ISHC 18 **2012**, EuCOMC **2011**.
- **Elected member** of the LCC laboratory council 2011-2020 (Secretary of the board 2011-2015)
- **Treasurer** of the Coordination Chemistry Division (**DCC**) of SCF 2019-2021
- **Member of 15 PhD juries**
- **Reviewer** of >128 scientific articles. **Publons** : [1411259](https://publons.com/author/publons/1411259)
- **Evaluation** of 7 ANR projects from 2010
- **Doctoral course** on "advanced homogeneous catalysis", Paul Sabatier University, Toulouse (from 2017)