List of publications with my contributions

* = equal contributions (first-author)
^ = equal contributions (second-author)
# = co-corresponding authors

Peer-reviewed publications:

6. *The Effect of Conformational Freedom vs Restriction on the Rate in Asymmetric Hydrogenation: Iridium-Catalyzed Regio- and Enantioselective Monohydrogenation of Dienones*
Zheng J, Peters BBC, Jiang W, Artus-Suarez L, Ahlquist MSG#, Singh T#, Andersson PG# (2023) Chemistry-A European Journal.

   Elucidation of the reaction mechanism using DFT, writing of the computational sections, and proof reading.

5. *Computational Studies on the Mechanisms for Deaminative Amide Hydrogenation by Homogeneous Bifunctional Catalysts*
Artus-Suarez L, Balcells B#,·Nova A# (2022) Topics in Catalysis.

   Literature search, and review writing

4. *Rational Selection of Co-catalysts for the Deaminative Hydrogenation of Amides*
Artus-Suarez L*, Jayarathne U*, Balcells D, Bernskoetter WH, Hazari N, Jaraiz M, Nova# (2020) Chemical Science.

   Elucidation of the reaction mechanism using DFT and microkinetic modelling, writing of the computational sections, and proof reading.

3. *Highly Selective Hydrogenation of Amides Catalysed by a Molybdenum Pincer Complex: Scope and Mechanism*
Leischner T*, Artus-Suarez L*, Spannenberg A, Junge K, Nova A, Beller M (2019) Chemical Science.

   Elucidation of the reaction mechanism using DFT and microkinetic modelling, writing of the computational sections, and proof reading.

2. *The Key Role of the Hemiaminal Intermediate in the Iron-Catalyzed Deaminative Hydrogenation of Amides*
Artus-Suarez L*, Culakova Z*, Balcells D, Bernskoetter WH, Eisenstein O, Goldberg KI, Hazari N, Tilset M, Nova A (2018) ACS Catalysis.

   Elucidation of the reaction mechanism using DFT and microkinetic modelling, writing of the computational sections, and proof reading.

1. *CoII and CuII Fluorescent Complexes with Acridine-Based Ligands*
Dogaheh SG, Heras-Ojea MJ, Rosado-Piquer L, Artus-Suarez L, Khanmohammadi H,Aromí G, Sañudo EC (2016) European Journal of Inorganic Chemistry.

   Synthesis and characterization of the molecules 1Cu and 1Co: cobalt and copper fluorescent organometallic species.