

Eduard Garrido Ribó

CONTACT INFORMATION

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CURRENT POSITION

Postdoctoral Researcher 2024-Present
Catalan Institute of Nanoscience and Nanotechnology

PROFESSIONAL EXPERIENCE

Postdoctoral Scholar 2022-2023
Oregon State University

EDUCATION

Ph.D in Chemistry 2017-2021
University of Glasgow
Erasmus Student 2016
University of Glasgow
Bachelor's Degree in Chemistry 2012-2016
Universitat de Barcelona

SKILLS

Extensive experience in research laboratories, including synthesis of compounds (mainly inorganic), use of safety protocols, and laboratory supervision and waste management.

Advanced knowledge of metal and compound characterization techniques, as well as equipment handling and maintenance. Mainly: elemental analysis (ICP-OES and CHN microanalysis), X-ray diffraction, as well as NMR, FTIR, TGA and ESI-MS, among others.

Software: CrysAlisPro, Diamond3/4, Mercury, Olex2, WinGX EndNote, MassLynx, MestreNova, OriginLab, y IgorPro.

PUBLICATIONS

Garrido Ribó, E.; Bell, N. L.; Long, D. L.; Cronin L. "Engineering Highly Reduced Molybdenum Polyoxometalates via the Incorporation of d and f Block Metal Ions". *Angewandte Chemie International Edition*, **2022**, 61, e202201672

She, S.; Xuan, W.; Bell, N. L.; Pow, R.; **Garrido Ribó, E.**; Sinclair, Z.; Long, D. L.; Cronin, L. "Peptide sequence mediated self-assembly of molybdenum blue nanowheel superstructures". *Chemical Science*. **2021**, 12, 2427-2432

Garrido Ribó, E.; Bell, N. L.; Xuan, W.; Luo, J.; Long, D.L.; Liu, T.; Cronin L. "Synthesis, Assembly, and Sizing of Neutral,

Lanthanide Substituted Molybdenum Blue Wheels $\{Mo_{90}Ln_{10}\}$ ". *Journal of American Chemical Society*. **2020**, 142, 41, 17508-17514

Garrido Ribó, E. et al. "Implementing Vanadium Peroxides as Direct Air Carbon Capture Materials". *Chemical Science*, accepted 21 Nov. 2023

ONGOING
PUBLICACIONES

Bach, K.; **Garrido Ribó, E. et al.** "Tetraperoxotitanates for Direct Air Carbon Capture"

Mao, Z. **Garrido Ribó, E. et al.** "Studying the Role of Water in Tetraperoxovanadates's Ability for Carbon Capture"

Mao, Z. **Garrido Ribó, E. et al.** "The role of Direct air CO₂ capture in the assembly of high nuclearity Niobium clusters"

CONFERENCES

"Peroxovanadates for direct air CO₂ capture" Bozeman, USA
Northwest Regional Meeting ACS 2023

"Redefining highly reduced Mo POMs" Paris, France
IRN-Smart Molecular Oxides 2021

"Lanthanide induced contraction of Mo Blue Wheels" Canterbury, UK
Macrocyclic and Supramolecular Chemistry 2019

"Assembly of chiral Mo Blue Wheels" Corvallis, USA
Frontiers in Metal Oxide Cluster Science 2019

EDITORIAL
COMMITTEES

Referee for *Inorganic Chemistry*, American Chemical Society

Young star editor for *Polyoxometalates*, Tsinghua University Press

LANGUAGES

Catalan: Native

Spanish: Native

English: Fluent (C2)

REFERENCES

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Oregon State University
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