

MASTER EN QUÍMICA DE MATERIALS APLICADA

Treball Final de Màster: Juliol 2019

- Carrasco Córdoba, Javier (*Tutor: A. Grabulosa, QI*)
"Coordination and Catalysis with Non-symmetric *P*-stereogenic Methylene-bridged Diphosphines"
- Fabregas Bellavista, Paula (*Tutor: X. Vendrell, UPC*)
"Vacancies Creation Effect on the Electric Properties of Neodymium Zirconium Oxide"
- Fort Grandas, Ignasi (*Tutor: A. Figuerola, QI*)
"Synthesis and Study of Metal Chalcogenide Nanoparticles: Towards Tailoring Hybrid Structures"
- Gallego Del Río, Aitor (*Tutor: T. Puig, ICMAB*)
"Low Temperature Ozone-assisted Pyrolysis of Metalorganic Acrylate Fluorine-free Solutions for Superconducting YBCO Films"
- Gimeno Fonquernie, Pol (*Tutor: J. Giner, ICMAB*)
"Carborane-based Linkers for the Synthesis of Dynamic Metal Organic Frameworks"
- Gimeno Muñoz, Raquel (*Tutor: N. Aliaga, ICMAB*)
"Estudio de la Reactividad de Curcuminoides con Grupos Carboxílicos y su Inmovilización en Superficie"
- Hernández López, Laura (*Tutor: D. MasPOCH, ICMAB*)
"Phase Transfer of Rhodium(II)-Based Metal Organic Polyhedra bearing Coordinatively bounded Cargoes"
- Jurado Mañas, Anabel (*Tutor: F. Viñes, QF*)
"First-Principles Evaluation of the Initial Oxidation of Transition Metal Surfaces"
- Molina Fabra, Maria (*Tutor: P. Martínez, QI*)
"Synthesis of Molybdenum Carbides and their Application as $\text{Mo}_x\text{C}/\text{ZnO}$ Systems as Photocatalysts for H_2 Production"
- Moré Flores, Ferran (*Tutor: M. Torrent, IREC*)
"Study of Ni Exsolution in Fluorite Structure for Anode Site Operation on SOFC"
- Moreno Kübel, Sofia Patricia (*Tutor: A.B. Caballero, QI*)
"Functionalization of Metal Nanoparticles to Develop Diagnostic Tools"
- Moreno Sanabria, Luis (*Tutor: M. Torrent, IREC*)
"New Infiltration Technique based on Inkjet Printing for Oxygen Electrodes Functionalization of Solid Oxide Cells"
- Pinacho Olaciregui, Jokin (*Tutor: P. Gámez, QI*)
"Synthesis of Nanocarrier Ligands for Drug Administration by Thermal Release"

- Pinar Serrano, Aranzazu (*Tutor*: D. Morillo, Leitat)
“Modificación Superficial de Nanomateriales para su Aplicación Industrial”
- Ràfols Parellada, Laia (*Tutor*: A. Grabulosa, QI)
“New Ruthenium Chemotherapeutics: *en route* towards Nanomolar Cytotoxicities”
- Rico Camacho, Aracelis (*Tutor*: J.M. Chimenos, CEM)
“Preliminary Study of Alkali-activated Cements Formulated with Rice Husk Ashes and Aluminum Sources as Precursors for Constructive Solutions”
- Romano De Gea, Jan (*Tutor*: A.B. Caballero, QI)
“A Nano Approach to Lessen Amyloid- β Toxicity and Copper-promoted Reactive Oxygen Species in Alzheimer’s Disease”
- Segura Lecina, Ona (*Tutor*: A.M. Lopez, ICMAB)
“Synthesis and Characterization of Biocompatible Metalorganic Materials and their Immobilization on Surfaces using Conventional Methods and scCO₂ Technologies”
- Tamayo Buisán, Rubén (*Tutor*: E. Ramirez, IQ)
“Esterification of Levulinic Acid with 1-butene over Ion-exchange Resins”
- Vélez Cerón, Ignasi (*Tutor*: F. Sagués, QF)
“Assembly of Active Gels on Supported Lipid Bilayers”
- Videa Dubon, Hellen Skarleth (*Tutor*: D. Sainz, QI)
“Trinuclear Palladium Picolyl-NHC Complexes as Catalysts in Suzuki-Miyaura Reaction NADES Solvents”