

TITLE FMP		SUPERVISOR 1	SUPERVISOR 2	DEPARTMENT RESPONSIBLE
1	Outdoor Operational Stability of Perovskite Solar Cells	Emilio J. Juarez-Pérez		INGENIERÍA QUÍMICA Y TECNOLOGÍAS DEL MEDIO AMBIENTE
2	Study of the influence of the gutter layer material on the gas separation performance of thin film composite membranes	Joaquín Coronas	Carlos Téllez	INGENIERÍA QUÍMICA Y TECNOLOGÍAS DEL MEDIO AMBIENTE
3	Development of 3d/5d oxide bilayers for the optimized conversion of heat into electrical energy	Mª Angeles Laguna Marco	Myriam H. Aguirre	Física de la Materia Condensada
4	Preparation of Stimuli-Responsive Drug Nanocarriers Using Amphiphilic Degradable Block Copolymers	Milagros Piñol	Miriam Abad	Química Orgánica
5	Zr(IV)-based MOFs particles with metalloporphyrin nodes towards controlled integration of spin qubits into quantum technologies devices	Ignacio Gascón	Olivier Roubeau	Química Física
6	Superconducting proximity effect in hybrid nanostructures based on WC	José María De Teresa Nogueras	Soraya Sangiao Barral	Física de la Materia Condensada
7	Exploring magnetic nanodiscs for biomedical applications: synthesis, functionalization, and in vitro studies.	Moros Caballero, María	Martínez Vicente, Pablo	Química Orgánica
8	Antimicrobial POM-peptide hybrids	Rafael Martín Rapún	Scott G. Mitchell	Química Orgánica
9	Development of cardioregenerative therapies based on DNA nanocarriers loaded with microRNAs	Hernández Ainsa, Silvia	Ordovás Vidal, Laura	Química Orgánica
10	Fabrication of nanostructures by molecular self-assembly	Raquel Giménez		Química Orgánica
11	Mechanical force driven by magnetic nanoparticles to study Piezo1 mechanoreceptor	Raluca M. Fratila	Susel Del Sol Fernández	Química Orgánica

12	Magnetic Properties of chiral 4d molecular complexes	Ana Arauzo	Ricardo Rodríguez	DFMC
13	Preparation of liquid crystal emulsions decorated with bent-core type amphiphiles	M. Blanca Ros	Alberto Concellón	Química Orgánica
14	Model cell membranes for biomedical applications	Santiago Martin Solans	Pilar Cea Minguez	QUÍMICA FÍSICA
15	Nanoarchitectonics for applications in molecular electronic devices	Santiago Martin Solans	Pilar Cea Minguez	QUÍMICA FÍSICA
16	Analysis of flavoenzymes mechanisms by fluid atomic force microscopy	Gracia Lostao, Ana Isabel		BIOQUÍMICA Y BIOLOGÍA MOLECULAR Y CELULAR
17	Integration of molecules on superconducting devices by atomic force microscopy	Gracia Lostao, Ana Isabel		BIOQUÍMICA Y BIOLOGÍA MOLECULAR Y CELULAR
18	Development of catalysts for CO <sub>2</sub> revalorization using microwave-assisted reactors	Jose Luis Hueso	Reyes Mallada	INGENIERÍA QUÍMICA Y TECNOLOGÍAS DEL MEDIO AMBIENTE
20	Nanomaterials for energy storage systems	María Bernechea	M. Pilar Lobera	INGENIERÍA QUÍMICA Y TECNOLOGÍAS DEL MEDIO AMBIENTE
21	Potential use of exosomes in direct pulmonary drug delivery	Jesús Santamaría	M. Pilar Lobera	IQyTMA
23	Development of Cost Effective Flexible Surfaces for SERS based Detection	María Pilar Pina	Sergio Gutiérrez Rodrigo	CHEM & ENVIRON ENG + APPL PHYS
24	Green processing for environmentally friendly, efficient, and low-cost perovskite solar cell technology.	Maria Cristina Momblona		CHEMICAL ENGINEERING
25	Explotation of nanofabrication methodologies for the construction of large area molecular electronic devices	Josá María de Teresa	Pilar Cea Minguez	Quimica Fisica

26	Growth and atomic-resolution STEM characterization of BaMnO <sub>3</sub> epitaxial thin films	César Magén Domínguez	José Ángel Pardo Gracia	DFMT / Materiales y Fluidos
27	Polymer assisted deposition of ZrO <sub>2</sub> thin films	Irene Lucas del Pozo	José Ángel Pardo Gracia	DFMT / Materiales y Fluidos

























































































































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