

	TITLE FMP	SUPERVISOR 1	SUPERVISOR 2	DEPARTMENT RESPONSIBLE
1	Development of novel nanosystems for the controlled release of drugs and signaling molecules in the inhibition of pathomolecular processes in the treatment of osteoarthritis	Arruebo Gordo, Manuel.	Mendoza Cantos, Gracia	
2	Development of electrospun polymeric membranes for the treatment of degenerative joint diseases	Arruebo Gordo, Manuel.	Mendoza Cantos, Gracia	
3	Spatiotemporal control of antibiotic release from polymeric nanoparticles using real-time monitoring of bacterial skin infection progression	Arruebo Gordo, Manuel.	Mendoza Cantos, Gracia	
4	Polymer-coated DNA Nanostructures for Nucleic Acid Delivery	Hernández Ainsa, Silvia	del Barrio Laheras, Jesús	Organic Chemistry
5	SUPRAMOLECULAR CHEMISTRY WITH FUNCTIONAL BENT-CORE MESOGENS IN THE ROUTE TO NANOSTRUCTURED MATERIALS	M Blanca Ros		Organic Chemistry
6	SYNTHESIS, PREPARATION AND CHARACTERIZATION OF NANOSTRUCTURED SUPRAMOLECULAR SOFT MATERIALS FROM NEW BENT-CORE MOLECULES.	M Blanca Ros		Organic Chemistry
7	THERMORESPONSIVE NANOVECTORS FROM SELF-ASSEMBLED AMPHIPHILIC DEGRADABLE BLOCK COPOLYMERS	Luis ORIOL	Milagros Piñol	Organic Chemistry
8	Control of the aspect ratio of metal organic frameworks by microfluidic synthesis. Application to gas separation membranes	Joaquín Coronas		INGENIERÍA QUÍMICA Y TMA
9	New MOF-inorganic porous material hybrid applied to gas separation membranes	Joaquín Coronas		INGENIERÍA QUÍMICA Y TMA
10	Nanocrystalline chitin as a sustainable adjuvant towards green hydrogen production through water splitting	Jose M. González Domínguez	Alejandro Ansón Casaos	INGENIERÍA QUÍMICA Y TMA
11	Novel approaches for the development of bacterial nanocellulose	Jose Miguel González Domínguez	Ana Benito Moraleja	INGENIERÍA QUÍMICA Y TMA

12	Nanoparticles based on dendrimers for cancer diagnosis based on Fluorescence Liquid Biopsy	Teresa Sierra Travieso	Olga Abian Franco	Organic Chemistry
13	SYNTHESIS AND CHARACTERIZATION OF MOLECULAR SWITCHES FOR OPTO-ELECTRONIC DEVICES	Santiago Martin Solans	Gregorio Guisado Barros	QUIM FISICA/QUIM INORGANICA
14	Assembly and characterization of nanostructures for molecular electronic devices	Santiago Martin Solans	Pilar Cea Minguenza	QUÍMICA FÍSICA
15	Integration of molecules on devices by dip-pen nanolithography	Gracia Lostao, Ana Isabel	Marcuello Anglés, Carlos	BIOQUÍMICA Y BIOLOGÍA MOLECULAR Y CELULAR
16	Analysis of flavoenzymes by fluid atomic force microscopy	Gracia Lostao, Ana Isabel	Marcuello Anglés, Carlos	BIOQUÍMICA Y BIOLOGÍA MOLECULAR Y CELULAR
17	Growth and atomic-resolution STEM characterization of multiferroic BaMnO <sub>3</sub> epitaxial thin films	César Magén Domínguez	José Ángel Pardo Gracia	FÍSICA DE LA MATERIA CONDENSADA
18	Development of solar cells combining perovskite and semiconductor nanocrystals.	Emilio J. Juárez-Pérez	Dr. María Bernechea	INGENIERÍA QUÍMICA Y TMA
19	Development of solar cells based on perovskite as light absorber.	Emilio J. Juárez-Pérez	Dr. María Bernechea	INGENIERÍA QUÍMICA Y TMA
20	Catalysts for environmental processes fabricated by high-energy protocols	Balas Nieto, Francisco	Hueso Martos, Jose Luis	Ingeniería Química y TMA
21	Towards the fabrication of artificial exosomes for drug encapsulation	Victor Sebastián Cabeza	Pilar Cea Minguenza	Quimica Fisica
22	Microwave-assisted synthesis of magnetic nanoparticles for biomedical applications	Fratila, Raluca	del Sol Fernández, Susel	Química Orgánica

<b>23</b>	New 3d/5d oxide thin film materials for spintronic applications: growth and characterization	Laguna Marco, M. Ángeles		Física de la Materia Condensada
<b>24</b>	Preventing microbially-influenced corrosion using polyoxometalate-ionic liquids	Scott Mitchel	Rafael Martín Rapún	Química Orgánica