



CURS 2017-2018

Semestre tardor

TÍTOL	ALUMNES
Study the feasibility of generating electricity from molten salts for heat storage. (resum)	Abad Rovira, Àlex
Characterization of brass to determine the cause of failures by corrosion in order to provide a solution to extend his service life. (resum)	Maestro Patouraux, Jacki Antonio
Numerical modeling and experimental correlation of mechanical properties of aluminum components produced by High Pressure Die Casting. (resum)	Salgado Pizarro, Rebeca
Development of Magnesium Silicate Cements: raw materials evaluation. (resum)	Vilana Miracle, Jordi



Semestre primavera

TÍTOL	ALUMNES
Development of Alkali Activated Cements by using Municipal Waste Incineration (MWI) Weathered Bottom Ash (WBA). (resum)	Alfocea Roig, Anna
Development of Magnesium Phosphate Cements as Porous Materials II. (resum)	Bares Salvia, Eric
Functionalized PLA for biomedical applications. (resum)	Bolet Font, Jordi
Physico-Chemical Characterization of Gypsum: raw materials, calcination products and slurries. (resum)	Cisneros Robles, Horacio
Development of magnesium phosphate cement mortars formulated with reactive silica. (resum)	Cosialls Borràs, Eduard
Scratch resistance of polypropylene compounds using surface characterization in three dimensions (3D). (resum)	Cruz del Barco, Xavier
Biocide agents for implantable devices. (resum)	Ferrer Ribas, Hector
Development of sustainable superhydrophobic coatings. (resum)	Fiestas Paradela, Sheila



Do the superhydrophobic coatings affect some of the metallic substrate properties ?. (resum)	Garcia Batista, Israel
Arsenic precipitation as scorodite in liquids from copper hydrometallurgy. (resum)	Garcia de Galdiano Lizarraga, Iñaki
Design of a Lab-scale system for the study of dry desulfurization process. (resum)	Gil Sáenz, Raúl
Formulation of photocurable ceramic suspensions for 3D printing by DLP (Digital Light Processing). (resum)	Godínez León, Jesús Alfredo
Application of MS-MALDI-TOF and vibrational spectroscopy in the characterization of microplastics. (resum)	González Fossá, Alejandro Manuel
Development of lightweight aggregates by using Weathered Bottom Ash from Municipal Waste Incineration and crop by-products. (resum)	Jiménez Herrera, Camilo
Electrochemical characterization of new nanostructured ceramic pastes for SLA 3D printing to be applied as a functional materials for Energy applications. (resum)	Lázaro Pubill, Albert
Quenching and Partitioning study in hypoeutectoid steels in front of Martempering and Austempering. (resum)	Llombart Camposo, Carles
Nano-PCM characterization to improve the energy efficiency in buildings. (resum)	Majó Robles, Marc
Synthesis and characterization of Alkali Activated Cements based on Bottom Ash and Paval. (resum)	Mañosa Bover, Jofre



Viability of 3D printing of cellulose nanoparticles with biomedical applications (Bibliographic study). ([resum](#)) Marzal de la Vega, Alex

PCM cascade development to improve automotive energy efficiency. ([resum](#)) Moriën Musté, Ivette

Sequential grinding as a features engineering alternative to improve materials recognition via artificial intelligence techniques. ([resum](#)) Muñoz Ródenas, Daniel

Thermal and mechanical tests to understand the performance of solid particles in concentrated solar power plants. ([resum](#)) Navarro López, Mónica

Geopolymer development from CSP residue as unique precursor. ([resum](#)) Nomen Galofré, Nicolás

Adhesion, hardness and wear tests, applied to hard-coatings for metal tools. ([resum](#)) Ocaña Amorós, Irene

Characterization of fibres and supplementary cementitious materials for high temperature concretes. ([resum](#)) Pons Pellicé, David

Development of Magnesium Silicate Cements. ([resum](#)) Rosell Mas, Martí

Development and characterization of geopolymers for their use in thermal energy storage by valorizing by-products and incorporating phase change materials. ([resum](#)) Royo Martí, Miquel

Failure analysis of equipment for the production of medical care devices. ([resum](#)) Rubinat Castro, Josep



Selection of thermoplastic materials for application in mixer cartridges based on the tribological properties between polymeric pairs. ([resum](#))

Sabaté Rovira, David

Study of the corrosion of Inconel 600 in contact with molten salts at high temperatures. ([resum](#)).

Urban Palomar, Adrià