

DOCTORAL PROGRAM IN MATERIALS SCIENCES, UAB
OUTSTANDING THESES AWARD FOR THESES 2020-2021. LIST OF CANDIDATES

Cognoms, Nom	Data Lectura	Títol de la tesi	Nom Director 1	Nom Director 2	Nom Director 3
Anelli , Simone	05/02/21	Advanced strategies for Solid Oxide Electrolysis Cells	Torrell Faro, Marc	Tarancon Rubio, Alberto	Baiutti , Federico
Anton Sales, Irene	03/06/21	Opportunities for bacterial nanocellulose in healthcare. Uses as a cell carrier, corneal bandage and tissue reinforcement	Laromaine Sague, Anna	Roig Serra, Anna	
Chamorro Garcia, Natalia	14/01/21	Hybrid approach to obtain high-quality BaMO ₃ perovskite nanocrystals for YBa ₂ Cu ₃ O _{7-δ} superconducting nanocomposite	Ricart Miro, Susana	Yanez Lopez, Ramon	
Contreras Pereda, Noemí	10/09/21	Synthesis and electronic characterization of triphenylene-based materials	Ruiz Molina, Daniel		
Dore , Camilla	29/01/21	Hydroxypropyl Cellulose as Enabling Material for the Nanofabrication of Photonic Architectures	Mihi Cervelló, Antonio Agustín		
Eiler , Konrad	29/07/21	Electrodeposition of nanostructured nickel-platinum-based electrocatalysts for hydrogen energy systems	Sort Viñas, Jordi	Pellicer Vilà, Eva Maria	
Estandía Rodríguez, Saúl	28/05/21	Nanoscale Study of Epitaxial Ferroelectric Hf _{0.5} Zr _{0.5} O ₂ Thin Films and BaTiO ₃ /SrTiO ₃ Superlattices	Sanchez Barrera, Florencio	Gazquez Alabart, Jaume	
Fuentes López-Doriga, Víctor	21/01/21	Resistive Switching in Strontium Iridates	Pomar Barbeito, Alberto	Balcells Argemí, Lluís	
Güell i Grau, Pau	21/01/21	Soft Plasmomechanical Metamaterials for Sensing and Actuation	Sepúlveda Martínez, Borja	Alvarez Sanchez, Maria del Mar	
Hailin , Wang	15/12/20	Epitaxial growth of complex functional oxide thin films by green and sustainable chemical solution methods	Mestres Andreu, Narcís	Martínez Perea, Benjamín	
Khan , Imran	15/10/20	Electrically conductive nanocomposites for additive manufacturing	Mitchell , Geoffrey Robert	Kamma Lorgier, Christina	
Ma , Zheng	09/02/21	Synthesis and Characterization of epsilon-Fe ₂ O ₃ Nanoparticles and Thin Films	Gich Garcia, Marti		
Mao , Xiaoman	16/04/21	Platinum-Based Nanostructured Polymers for Glioblastoma Treatment	Ruiz Molina, Daniel	Novio Vazquez, Fernando	
Molet Bachs, Pau	18/06/21	Managing light in optoelectronic devices with resonant optical nanostructures	Mihi Cervelló, Antonio Agustín		
Navarro Senent, Cristina María	18/12/20	Synthesis and magnetoelectric properties of Co-Pt based porous materials	Pellicer Vilà, Eva Maria	Sort Viñas, Jordi	
Palacios Rivera, Percy Rogger	27/01/21	Descripción a Nivel Molecular de Propiedades Estructurales y Electrónicas en Interfases Orgánicas	Barrena Villas, Esther	Ocal Garcia, Carmen	

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Pengmei , Yu	24/11/20	Atomic layer deposition: From molecular chemistry to functional oxide coatings	Coll Bau, Mariona		
Pesce , Arianna	26/03/21	3d Printing of Ceramic-Based Solid State Energy Conversion Devices	Morata García, Alejandro	Tarancon Rubio, Alberto	
Rodríguez Martínez, Xabier	19/10/20	Development of organic solar cells by combinatorial methods	Campoy Quiles, Mariano		
Roig Sánchez, Soledad	28/09/21	Novel bacterial cellulose materials: structuration, functional nanocomposites and photocurable hydrogels	Laromaine Sague, Anna	Roig Serra, Anna	
Ruano Sánchez, Daniel	18/02/21	Caracterización de catalizadores basados en cobre en condiciones de reacción mediante técnicas espectroscópicas in situ	Concepción Heydorn, Patricia	Pérez Dieste, Virginia	
Salicio Paz, Asier	20/11/20	Development and characterization of novel electroless nickel coatings: multifunctional applications from the micro to the nanoscale	García Lecina, Eva	Pellicer Vilà, Eva Maria	Sort Viñas, Jordi
Siller , Valerie	29/01/21	Thin film based all-solid-state lithium-ion batteries and operando characterization methods	Morata García, Alejandro	Tarancon Rubio, Alberto	
Tomsen Melero, Judit	15/07/21	Study of new liposomes for the delivery of enzymes through biological membranes	Ventosa Rull, Leonor	González Mira, Elisabet	
Zapata Arteaga, Osnat	26/03/21	Improving the Performance of Organic Thermoelectrics	Campoy Quiles, Mariano		
Zhang , Ting	17/09/21	Zn Based Metal Organic Frameworks Derived Materials for High Efficient Carbon Dioxide Electrochemical Reduction	Arbiol Cobos, Jordi	Morante Leonart, Joan Ramon	