



## POSTERS

### Posters RL2: Superconductor for power applications (4th floor, Nanoquim)

1. "Advanced 2G HTS Tape Architecture for HVDC Fault Current Limiter" - P. Barusco, C. Pop, R. Vlad, A. Calleja, X. Granados, X. Obradors, T. Puig
2. "Correlation between structural and superconducting properties in CSD-derived  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  films"- B.Mundet, M. Coll, Z. Li, J. Gázquez, F. Vallès, A. Palau, S. Hartman, R. Mishra, X. Obradors and T. Puig
3. "Inkjet Printing Deposition (IJP) strategy for metal oxides thick films"- A. Pacheco, B. Villarejo, F. Pino, C. Pop, J. Farjas, P. Roura, S. Ricart, T. Puig, X. Obradors
4. "Transient liquid assisted growth of  $\text{YBa}_2\text{Cu}_3\text{O}_7$  films" - J. Banchewski, L. Soler, J. Jareño, S. Rasi, R. Guzmán, N. Chamorro, J. Farjas, P. Roura, C. Mocuta, S. Ricart, X. Obradors, T. Puig
5. "Growth of  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  nanocomposite films by CSD-ultrafast Transient Liquid Assisted Growth" - J. Jareño, N. Chamorro, L. Soler, J. Banchewski, J. Martínez, R. Guzmán, S. Ricart, J. Ros, C. Mocuta, X. Obradors, T. Puig

### Posters RL4: Molecular electronics (Groundfloor ICMAB)

6. "Exploiting redox and magnetically active molecular systems as memories and sensors" – D. Gutiérrez, S. Riera-Galindo, M. R. Ajayakumar, G. Seber, J. Muñoz, S. Sandoval, G. Tobias, J. Veciana, C. Rovira, M. Mas-Torrent, N. Crivillers
7. "High Performance Organic Field Effect Transistors as Physical and Chemical Sensors" – A. Tamayo, Q. Zhang, I. Temiño, S. Ricci, A. Campos, S. Galindo, S. Casalini, F. Leonardi, R. Pfattner, T. Salzillo, F. G. del Pozo, S. Lai, T. Cramer, B. Fraboni, P. Cosseddu, A. Bonfiglio, M. Mas-Torrent
8. "Novel photodetector concepts based on advanced processing of organic semiconductors" – B. Döring, X. Rodríguez-Martínez, M. Gibert, A. Perevedentsev, A. Sanchez-Diaz, P. Molet, M. Garriga, A. R. Goñi, A. Mihi, M. I. Alonso, M. Campoy-Quiles
9. "Boron clusters as fluorescence-tuning moieties in single molecules and octasilsesquioxane-based hybrids" – Rosario Nuñez, Albert Ferrer-Ugalde, Justo Cabrera-González, Francesc Teixidor, Mahdi Chari
10. "Electronic structure of molecular conductors" – Enric Canadell

### Posters RL5: Multifunctional nanostructured biomaterials (MATGAS)

11. "Boron clusters-based materials for biological and medical applications" - Rosario Nuñez, Mahdi Chari, Clara Viñas, Carme Nogués, Nerea Gaztelumendi
12. "Surface engineering and supramolecular chemistry for biocompatible and theranostic materials" - Ezhil Amirthalingam, Sandra Giraldo, Niki Joosten, Pablo Rodríguez, Elena Abellán, Josep Esteve, Àlex Perálvarez-Marín, Jose Antonio Plaza, Teresa Suárez, Aldrik H. Velders, Lluïsa Pérez-García, Nuria Aliaga-Alcalde, Arántzazu González-Campo
13. "Preparation of materials for biomedical applications using  $\text{CO}_2$ " - A. Lopez-Periago, N. Portoles-Gil, A. Borrás, L. Rodríguez-Cid, J. Fraile, C. Domingo.
14. "Theory and simulation of soft and biomaterials" - Sílvia Illa-Tuset, Jordi Martínez-Esaín, David Malaspina, Jordi Faraudo



15. “Design of nanocapsules for biomedical imaging and therapy” – Stefania Sandoval, Magdalena Kierkowicz, Markus Martincic, Gerard Tobias
16. “Organic radicals and radical dendrimers for bioimaging (MRI and DNP)” – L. Pinto, V. Lloveras, Flonja Liko, Songbai Zhang, J. Veciana, J. Vidal-Gancedo
17. “Bacterial nanocellulose hydrogels as cell scaffolds” – Irene Anton-Sales, Soledad Roig-Sanchez, Anna Laromaine, Anna Roig
18. “3D scaffolds for Cancer Immunotherapy” – Eduardo Pérez, Marc Martínez, Jaume Veciana, Imma Ratera, Judith Guasch