

POSTERS:

SPEED FAST POSTER PRESENTATION (2')

10th JULY / 18:10 – 19:00 h

- 1.- K1-xBixNb1-xMeO3 (Me = Fe, Mn, Co) epitaxial thin films grown onto STO (100) and MgO (100) substrates by PLD
C. Pascual-Gonzalez, C. Ferrater, M.C. Polo, I. Fina and M. Varela
- 2.- Tunneling anisotropic magnetoresistance in LSMO thin films
S. Martín-Rio, Ll. Balcells, C. Frontera, A. Pomar, Z. Konstantinović and B. Martínez
- 3.- Structural and magnetic properties of Ni-doped Manganite thin films
M. Bernal, Z. Konstantinović, Ll. Balcells, C. Frontera, A. Pomar and B. Martínez
- 4.- Epitaxial growth of SrIrO3 thin films
V. Fuentes, L. López, A. Pomar, Ll. Balcells, Z. Konstantinović, C. Frontera, F. Sandiumenge and B. Martínez
- 5.- In-situ thermal analysis of YBa2Cu3O7- δ FF precursor solutions during pyrolysis: film versus powder.
S. Rasi, J. Farjas, P. Roura, S. Ricart, L. Soler, J. Jareño, T. Puig and Xavier Obradors
- 6.- New insights in strained ReNiO3 thin films
B. Mundet, J.Gázquez, R.Guzman, J. Jareño, J.C. González-Rosillo, X. Obradors and T. Puig
- 7.- Physical Properties of Nanostructured, Liquid Assisted Grown, Epitaxial YBa2Cu3O7-x Superconducting Films
J.Banchewski, L.Soler, J.Jareño, R.Guzmán, S.Rasi, J.Farjas, P.Roura, S.Ricart, C.Mocuta, X.Obradors and T.Puig
- 8.- Colloidal solutions of Nanoparticles in Alcoholic Ionic Environments for Growth of Nanocomposite Functional Oxides
N.Chamorro, Z.Li, A.Garzon, P.Cayado, M.Coll, R.Yañez, J.Ros, T.Puig, X.Obradors and S.Ricart
- 9.- Exceptional self-assembly by citrate bridge formation in LnF3 (Ln=Y, Gd) nanoparticles synthesis
J.Martinez-Esain, J.Faraudo, T.Puig, X.Obradors, J.Ros, S.Ricart and R.Yañez
- 10.- Synthesis and applications of Fe3O4@SiO2 nanoparticles and Fe3O4@CNT@SiO2 nanocapsules
C.Lu, S.Sandoval, T.Puig, X.Obradors, G.Tobias, J.Ros and S.Ricart
- 11.- Switching kinetics and atmosphere influence on La1-xSrxMnO3 and CeO2/ La1-xSrxMnO3 thin films for R-RAM applications
Juan Carlos Gonzalez-Rosillo, B. Arndt, R. Ortega-Hernandez, J.Jareño, B. Mundet, M.Coll, J.Gázquez, R. Dittmann, X. Obradors, A. Palau and T. Puig

- 12.- Inkjet printing deposition process of metalorganic precursors to reach oxide superconducting thick films
F. Pino, B. Villarejo, C. Pop, B. Mundet, P. Roura, X. Obradors and T. Puig
- 13.- Chemical co-substitution on multiferroic BiFeO₃ thin films for next generation photovoltaics
P.Machado, A.Sánchez, J. Gazquez, X.Obradors, M.Campoy-Quiles, T.Puig and M.Coll
- 14.- YBa₂Cu₃O_{7-x} nanocomposite films by CSD-ultrafast Transient Liquid Assisted Growth
J. Jareño, L.Soler, J.Banchewski, N.Chamorro, S. Rasi, R. Guzmán, J.Martínez, S.Ricart, J. Ros, J.Farjas, C. Mocuta, X. Obradors and T. Puig
- 15.- Preparation of nanostructured YBCO YBa₂Cu₃O₇ - BaMO (M=Zr, Hf) superconductor nanocomposite using colloidal solution with preformed oxide nanoparticles
Z. Li, M. Coll, N. Chamorro, B. Mundet, J. Gazquez, F. Vallés, A. Palau, C. Pop, J. Ros, S. Ricart, T. Puig and X. Obradors
- 16.- Defect analysis in new liquid-mediated YBa₂Cu₃O₇ thin films
R. Guzman, L. Soler, J. Jareño, J. Banchewski, S. Ricart, X. Obradors and T Puig
- 17.- Tuning of the electronic structure in High Temperature Superconducting films at nanometric scale
A. Fernandez, J.C. Gonzalez-Rosillo, X. Obradors, A. Palau, N. Mestres and T. Puig
- 18.- Atomic Layer deposition: Conformal coatings on 3D nanostructures for energy applications
P.Yu, R. Amade, E. Beltran, M. Buyukyazi, T.Puig, X. Obradors, C. Bohr, S. Mathur and M.Coll
- 19.- Magnetization of rectangular 2G HTS stacks and dragging forces developed inside a multipolar magnetic channel: trapped field, current distribution and forces
M. Carrera, G. Sotelo, J. López, J. Amorós, X. Granados, T. Puig and X. Obradors
- 20.- Dragging hysteresis forces in a linear displacer with Coated Conductor Stacks
J. López, G. Sotelo, M. Carrera, R. Maynou, X. Granados, T. Puig and X. Obradors
- 21.- Superconducting Medium Speed Synchronous Electrical Generator for 2MW class of Wind Mills
X. Granados, J. López-López, A. Muñoz, J.L. Rodriguez-Izal, C. Salvatierra, E. Martínez, A.L. Angurel, T. Puig and X. Obradors
- 22.- Vortex pinning in CSD YBCO nanocomposite films also at ultrahigh magnetic fields F.Vallès, A.Palau, Z. Li, B. Mundet, B. Villarejo, C. Pop, F. Pino, M.Coll, J. Gázquez, S. Ricart, X. Obradors and T. Puig
- 23.- HTS Coated Conductors for CERN's FCC
J. Gutiérrez, S. Calatroni, E. Garcia-Tabarés, P. Chilgigato, I. Korolkov, R. Miquel, M. Pont, F. Perez, J. O'Callaghan, X. Granados and T. Puig

- 24.- Thick YBa₂Cu₃O_{7-x} layers with ink jet printing single deposition
B. Villarejo, Flavio Pino, C. Pop, S. Ricart, P. Roura, J. Farjas, N. Chamorro, J. Ros, X. Obradors and T. Puig
- 25.- Chemical solution deposition growth of low fluorine thick coated conductors of YBa₂Cu₃O₇ and YBa₂Cu₃O₇ nanocomposites with preformed BZO nanoparticles
C. Pop, B. Villarejo, F. Pino, N. Chamorro, F. Valles, B. Mundet, A. Palau, J. Gazquez, A. Usoskin, S. Ricart, T. Puig and X. Obradors

SPEED FAST POSTER PRESENTATION (2')

11th JULY / 12:55 – 13:20 h

- 26.- Controlling stoichiometry of Cu-oxide nanoparticles
Koen Lauwaet
- 27.- Photoelectric effects in LuMnO₃ single-crystals
D. Vázquez
- 28.- Different contributions on electroresistance in BaTiO₃ films
M. Qian
- 29.- Photoconductance in LaAlO₃/SrTiO₃ interfaces
Chen Yu
- 30.- Magneto-optical spectroscopy of mesostructured magnetic systems
M. Alizadeh
- 31.- Structural characterization of ferroelectric phase transitions in BaTiO₃ films
F. Liu
- 32.- Localized heating generated by pulsed surface acoustic waves
B. Casals
- 33.- A transparent metallic oxide
M. Mirjolet
- 34.- Magnetic order and magnetoelectric properties in highly distorted R₂CoMnO₆ (R=Ho, Tm, Yb and Lu) perovskites
J. Blasco, J. L. García-Muñoz, J. García, G. Subías, J. Stankiewicz, J. A. Rodríguez-Velamazán and C. Ritter
- 35.- Spin blockade, electronic and spin-state transitions in cobalt oxides investigated by x-ray spectroscopies and neutron diffraction
J. Herrero-Martín, J. Padilla-Pantoja, S. Lafuerza, A. Romaguera, F. Fauth, S. Reparaz and J. L. García-Muñoz

- 36.- Neutron investigation of the field effects on the incommensurate magnetic spirals and polarization of D-M (Mn,Co)WO₄ multiferroics
I. Urcelay-Olabarria, E. Ressouche, A. A. Mukhin, V. Yu. Ivanov, A. M. Kadomtseva, Yu. F. Popov, G. P. Vorob'ev, J. L. García-Muñoz and V. Skumryev
- 37.- Structure Solution from single Microvolumes by Synchrotron through-the-substrate microdiffraction
J. Rius, O. Vallcorba, A. Crespi and C. Miravittles

SPEED FAST POSTER PRESENTATION (2')

11th JULY / 16:55 – 17:30 h

- 38.- Looking for suitable cathodes for a calcium battery technology
D. Tchitchekova, A. Ponrouch, C. Frontera, A. Sorrentino, F. Barde, M.E. Arroyo-de-Dompablo and M.R. Palacin
- 39.- Electrosynthesis of graphene suspensions for electrochemical energy storage
E. Perez, E. Pujades-Otero, D. Tonti and N. Casañ-Pastor
- 40.- New hafnium perovskite oxynitrides as water splitting photocatalysts
A.P.Black, H.Suzuki, C.Frontera, C.Ritter, R.Abe and A.Fuertes
- 41.- Pd nanoparticles on bacterial cellulose templated Al₂O₃ for catalysis
J. Grzelak, M Gich and A. Laromaine
- 42.- Epitaxial stabilization of epsilon-Fe₂O₃ thin films without buffer layer
Z. Ma, J. Gàzquez, F. Sánchez and M. Gich
- 43.- Multimaterials-nanoparticles by facile microwave-assisted routes
M. Torras, O. Arriaga, P. Sallés, A. May and Anna Roig
- 44.- Growth of graphene on diamond by MBE-C source
Javier Mendez
- 45.- Electrodeposition of bismuth for X-ray absorbers
J.Moral-Vico, N.Casañ-Pastor, P. Strichovanec, R.Jáudenes, A.Camón, C.Pobes and L.Fàbrega
- 46.- Superconducting microcalorimeters as highly sensitive radiation detectors
L.Fàbrega, A.Camón, C.Pobes, P.Strichovanec, J.Moral-Vico, N.Casañ-Pastor, R.Jáudenes and J.Sesé
- 47.- Improving the sensitivity of magnetic sensors by field concentration with 3D metamaterials
R. Mach