

Lista de lucrări – Ș.I. dr. Traian Petrișor

1. Lista de lucrări relevante pentru realizările proprii

1. T Petrișor Jr, A Meledin, A Boule, RB Moș, MS Gabor, L Ciontea, T Petrișor, Ordered misfit dislocations in epitaxial Gd doped CeO₂ thin films deposited on (001)YSZ single crystal substrates, *Applied Surface Science* 433 (2018) 668, DOI: 10.1016/j.apsusc.2017.09.202, 0169-4332;
2. T. Petrisor Jr., R. B. Mos, M. Nasui, M. S. Gabor, A. Augieri, G. Celentano, D. De Felicis, E. Bemporad, L. Ciontea, T. Petrisor, The Vortex Path Model Analysis of the Field Angle Dependence of the Critical Current Density in Nanocomposite YBa₂Cu₃O_{7-x}-BaZrO₃ Films Obtained by Low Fluorine Chemical Solution Deposition, *Journal of Superconductivity and Novel Magnetism* 27 (2014) 2493, DOI: 10.1007/s10948-014-2712-z, 1557-1993
3. Petrisor, T. Jr., Gabor, M. S. and Boule, A. and Bellouard, C. and Tiusan, C. and Pana, O. and Petrisor, T., Oxygen incorporation effects in annealed epitaxial La(1-x)SrxMnO₃ thin films, *Journal of Applied Physics* 109 (2011) 123913, DOI: 10.1063/1.3596807, 0021-8979
4. Petrisor, T. and Gabor, M. S. and Tiusan, C. and Galluzzi, V. and Celentano, G. and Popa, S. and Boule, A. and Petrisor, Magnetic pinning effects of epitaxial LaxSr1-xMnO₃ nanostructured thin films on YBa₂Cu₃O_{7-delta} layers, *Journal of Applied Physics* 112 (2012) 53919, DOI: 10.1063/1.4748049, 0021-8979
5. L Piperno, A Angrisani Armenio, A Vannozzi, A Mancini, F Rizzo, A Augieri, V Pinto, A Rufoloni, RB Mos, L Ciontea, T Petrisor Jr, T Petrisor, G Sotgiu, G Celentano, Polymer-assisted surface decoration for critical current enhancement in YBa₂Cu₃O_{7-x} films, *Applied Surface Science* 484 (2019) 237, DOI: 10.1016/j.apsusc.2019.04.027, 0169-4332
6. A. A. Armenio, L. Piperno, T. Petrisor Jr., A. Vannozzi, V. Pinto, F. Rizzo, A. Augieri, A. Mancini, A. Rufoloni, R. B. Mos, L. Ciontea, G. Sotgiu, and G. Celentano, Nanostructured templates for critical current density enhancement in YBa(2)Cu(3)O(7-x)films, *Superconductor Science and Technology* 33 (2020) 094003, DOI: 10.1088/1361-6668/ab9f65, 0953-2048
7. R. B. Mos, T. Petrisor Jr., M. Nasui, A. Calleja, T. Puig, L. Ciontea, and T. Petrisor, Enhanced structural and morphological properties of Gd-doped CeO₂ thin films obtained by polymer-assisted deposition, *Materials Letters* 124 (2014) 306, DOI: 10.1016/j.matlet.2014.03.119, 0167-577X
8. R. B. Mos, T. Petrisor Jr., M. Nasui, A. Mesaros, M. S. Gabor, M. Senila, E. Ware, and L. Ciontea, Epitaxial La_{0.7}Sr_{0.3}MnO₃ nanostructures obtained by polymer-assisted surface decoration (PASD), *Materials Letters* 171 (2016) 281, DOI: 10.1016/j.matlet.2016.02.122, 0167-577X
9. M. Nasui, R. B. Sonher, T. Petrisor, S. Varodi, C. Pop, and L. Ciontea, Development of a Fluorine-Free Polymer-Assisted-Deposition Route for YBa₂Cu₃O_{7-x} Superconducting Films, *Coatings* 10 (2020) 966, DOI: 10.3390/coatings10100966, 2079-6412
10. I. Benguetat-El Mokhtari, Y. Roussigne, T. Petrisor Jr., F. Zighem, F. Kail, L. Chahed, V. Pierron, L. Mechin, M. Gabor, and M. Belmeguenai, Spin Pumping and Magnetic Anisotropy in La_{2/3}Sr_{1/3}MnO₃/Pt Systems, *Physica Status Solidi B – Basic Solid State Physics* 257 (2020) 2000265, DOI: 10.1002/pssb.202000265, 0370-1972

2. Teza de doctorat

Titlul tezei: *Structuri magnetice modulate pentru ancorarea magnetică a vortexurilor în supraconductori de temperatură înaltă* (2011)

Conducători (co-tutelă):

Prof. Dr. Ing. Coriolan TIUȘAN (Universitatea "Henri Poincaré", Nancy, Franța)

Prof. Dr. Ing. Ionel CHICINAȘ (Universitatea Tehnică din Cluj-Napoca)

3. Brevete de invenție

Chemical method for preparing epitaxial films of Strontium-doped Lanthanum manganite, La_{0.66}Sr_{0.33}MnO₃ (LSMO), M. Năsui, T. Petrișor Jr., Ramona Bianca Moș, Amalia Mesaroș, Mihai Sebastian Gabor, Lelia Ciontea, Traian Petrișor, cod OSIM: RO131325-B1

4. Cărți și capitole de cărți

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2. *Mecanică cuantică prin aplicații*, C. Tiușan, M. Gabor, T. Petrișor Jr. UTPRES (2013)
3. Capitol carte: *Characterization of Complex Spintronic and Superconducting Structures by Atomic Force Microscopy Techniques*, L. Ciontea, M. S. Gabor, T. Petrișor Jr., T. Ristoiu, C. Tiușan, T. Petrișor în „SCANNING PROBE MICROSCOPY – PHYSICAL PROPERTY CHARACTERIZATION AT NANOSCALE”, InTech Europe, Croatia, (2012).

5. Articole

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3. I. Benguetat-El Mokhtari, Y. Roussigne, T. Petrisor Jr., F. Zighem, F. Kail, L. Chahed, V. Pierron, L. Mechin, M. Gabor, and M. Belmeguenai, Spin Pumping and Magnetic Anisotropy in La_{2/3}Sr_{1/3}MnO₃/Pt Systems, Physica Status Solidi B – Basic Solid State Physics 257 (2020) 2000265, DOI: 10.1002/pssb.202000265, 0370-1972
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Semnătura

