

Abstracts within DETI2 project during 2013:

1. O. Yildirim, S. Cornelius, M. Vinnichenko, M. Butterling, A. Orlov, A. Wagner, A. Smekhova, and K. Potzger, "Defects in Magnetic TiO₂", Abstract Book of European School of Magnetism, 25.2-08.3.2013, Cargese-Corsica, (2013)
2. O. Yildirim, S. Cornelius, M. Vinnichenko, M. Butterling, A. Orlov, A. Wagner, A. Smekhova, and K. Potzger, "Magnetic and Defect Properties of Co Implanted TiO₂", Abstract Book of Deutsche Physikalische Gesellschaft Spring Meeting, 11.3-15.3.2013, Regensburg, Germany (2013)
3. A. Smekhova, R. Baulin, F. Pankratyev, A. Semisalova, A. Novikov, Yu. Mikhaylovskiy, A.F. Orlov, M. Butterling, O. Yildirim, K. Potzger, "Diluted Magnetic Semiconductors TiO₂:Co, TiO₂:V and TiO₂:Mn : relationship of defects, magnetization and MO properties", Abstract booklet of the 47th Winter School of PNPI RAS on Condensed Matter Physics "FKS-2013", Zelenogorsk, St.Petersburg region, Russia, p.153 (2013)
4. A. Smekhova, L.N. Fomicheva, A.V. Tsvyashchenko, V.A. Sidorov, A. Rogalev, O.Yildirim, Ya.Zubavichus, "Local magnetic moments, macroscopic magnetization and crystal structure of new magnetic superconductor EuRh₄B₄", Abstract booklet of the 47th Winter School of PNPI RAS on Condensed Matter Physics "FKS-2013", Zelenogorsk, St.Petersburg region, Russia, p. 162 (2013)
5. A. Granovsky, A. Orlov, N. Perov, E.Gan'shina, A. Semisalova, A. Smekhova, A. Aronzon, V. Rylkov, "Above Room Temperature Ferromagnetism in Si:Mn, TiO_{2-δ}:Co and TiO_{2-δ}:V", EMM-FM Program & Abstract Booklet of 2nd Euro-Mediterranean Meeting on Functionalized Materials, 24-28 March 2013, Hammamet, Tunisia, p.15 (2013)
6. A. Smekhova, A. Semisalova, A. Orlov, N. Perov, E. Gan'shina, A. Novikov, Yu. Mikhaylovskiy, K. Potzger, O. Yildirim, M. Butterling, A. Wagner, W. Anwand, A. Granovsky, "Defects in magnetism of diluted magnetic semiconductors TiO₂:Co and TiO₂:V", Abstract Book of JEMS'2013, August 25-30, Rhodes, Greece, p.461 (2013)
7. A. Smekhova, A.S. Semisalova, Yu.O. Mikhailovskiy, A.I. Novikov, A.F. Orlov, N.S. Perov, E.A. Gan'shina, K. Potzger, O. Yildirim, B.A. Aronzon, A.B. Granovsky, "Inequality of Room Temperature Ferromagnetism in TiO_{2-δ}:Co and TiO_{2-δ}:V", Donostia International Conference on Nanoscaled Magnetism and Applications (DICNMA'2013), September 9-13, San-Sebastian, Spain, p.157 (2013)
8. A Smekhova, E.A. Gan'shina, A. Novikov, A. Semisalova, N. Perov, A. Granovsky, A.F. Orlov, M. Butterling, A.Wagner, W.Anwand, O. Yildirim, K. Potzger, "Diluted magnetic oxides TiO₂:Co and TiO₂:V : relationship of magnetization, MO properties and defects", Abstract for V Euro-Asian Symposium "Trends in MAGnetism": Nanomagnetism. EASTMAG – 2013, September 15-21, Vladivostok, Russia, p.277 (2013)
9. O. Yildirim, S. Cornelius, M. Vinnichenko, M. Butterling, A. Wagner, A. Smekhova, K. Potzger, "Magnetic and defect-properties of Co implanted TiO₂", Abstract Booklet of International conference on nanoscale magnetism (ICNM), 02-06 September, Istanbul, Turkey, (2013)
10. K.Potzger, "Magnetic patterning of B2 materials using ion beams", Abstract Booklet of International conference on nanoscale magnetism (ICNM), 02-06 September, Istanbul, Turkey, (2013)

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- M. Butterling, W. Anwand, S. Cornelius, K. Potzger, A. Smekhova, M. Vinnichenko and A.Wagner, "Optimization of growth parameters of TiO₂ thin films using a slow positron beam", Journal of Physics: Conference Series 443, p.012073 (2013)
- O. Yildirim, M. Butterling, S. Cornelius, Yu. Mikhailovskiy, A.Novikov, A. Semisalova, A. Orlov, E. Gan'shina, N. Perov, W. Anwand, A.Wagner, K. Potzger, A.B. Granovsky and A. Smekhova, "Ferromagnetism and structural defects in V-doped titanium dioxide", accepted to PSS journal