

Teza de Doctorat:

Procese optice nelinare in sisteme fizice cu dimensionalitate redusa-nantouburi de carbon si in compozite nanostructurate excitate rezonant

Capitole de carte:

1. *Spectroscopic Characterization of Multiferroic interfaces*, M. A. Husanu, C.A.F. Vaz, **Spectroscopy of Complex Oxide Interfaces**, Springer, 2018
2. *Growth and characterization of ultrathin Fe magnetic layers deposited on atomically clean Si(001) by molecular beam epitaxy*, N.G. Gheorghe, M.A. Hușanu, G.A. Lungu, D. Macovei, V. Kuncser, R.M. Costescu, D. Popescu, C.M. Teodorescu, Editura Academiei Române, București, România, 2012

Lista de lucrari in reviste ISI

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2. *Polarization-dependent magnetism of the Ni/BaTiO₃ interface*, Bocirnea, A. E. ; Popescu, D. G. ; Chirila, C. ; Costescu, R. M. ; Kuncser, V ; Stancu, V ; Trupina, L. ; Pasuk, I ; Vlaicu, A. M. ; Husanu, M. A, **Phys. Rev. Mater.** **4**(3), 034402 (2020)
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6. *k-resolved electronic structure of buried heterostructure and impurity systems by soft-X-ray ARPES*, Strocov, V. N. ; Lev, L. L. ; Kobayashi, M. ; Cancellieri, C. ; Husanu, M-A ; Chikina, A. ; Schroeter, N. B. M. ; Wang, X. ; Krieger, J. A. ; Salman, Z, **J. Electron Spectroscopy Rel. Phenomena**, **236**, 1-8 (2019)
7. *Probing single-unit-cell resolved electronic structure modulations in oxide superlattices with standing-wave photoemission*, Yang, W. ; Chandrasena, R. U. ; Gu, M. ; dos Reis, R. M. S. ; Moon, E. J. ; Arab, Arian ; Husanu, M-A ; Nemsak, S. ; Gullikson, E. M. ; Ciston, J. ; Strocov, V. N. ; Rondinelli, J. M. ; May, S. J. ; Gray, A. X, **Phys. Rev. B** **100**(12), 125119 (2019)
8. *Impact on Ferroelectricity and Band Alignment of Gradually Grown Au on BaTiO₃*, Popescu, D. G. ; Husanu, M. A. ; Chirila, C.; Pintilie, L. ; Teodorescu, C. M, **Phys. Status Solidy – RRL**, **13**(7), 1900077 (2019)
9. *Do topology and ferromagnetism cooperate at the EuS/Bi₂Se₃ interface?* Krieger, J. A. ; Ou, Y. ; Caputo, M. ; Chikina, A. ; Doebeli, M. ; Husanu, M-A ; Keren, I ; Prokscha, T. ; Suter, A. ; Chang, Cui-Zu ; Moodera, J. S. ; Strocov, V. N. ; Salman, Z **Phys. Rev. B** **99** (6) 064423 (2019)
10. *Orbital Ordering of the Mobile and Localized Electrons at Oxygen-Deficient LaAlO₃/SrTiO₃ Interfaces*, A. Chikina , F. Lechermann, M.-A. Husanu, M. Caputo, C. Cancellieri , X. Wang, T. Schmitt, M.Radovic, and V. N. Strocov, **ACS Nano**, **12** (8), pp 7927–7935 (2018)

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12. New bio-active, antimicrobial and adherent coatings of nanostructured carbon double-reinforced with silver and silicon by Matrix-Assisted Pulsed Laser Evaporation for medical applications, Duta, L.; Ristoscu, C.; G. E. Stan; M.A. Husanu; C. Besleaga; Chifiriuc, M. C.; Lazar, V.; Bleotu, C.; Miculescu, F.; Mihailescu, N.; Axente, E.; Badiceanu, M.; Bociaga, D.; Mihailescu, I. N., , **Appl. Surf. Sci.** **441**, 871-883 (2018)
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55. *The Intercalation Of Pbl₂ With 2,2'-Bipyridine Evidenced By Photoluminescence, FT-IR And Raman Spectroscopy*, N. Preda, L. Mihut, M.Baibarac, I.Baltog, **M.Husanu**, C.Bucur, T.Velula , ***Romanian Journal of Physics***, **54**(7-8), 667-676, 2009
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Brevete de Inventie:

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2. *Procedeu de obtinere a cristalelor fotonice bi-dimensionale prin ablatie laser*, D.G. Popescu, M.A. Husanu, **RO131779-A2** (2017)
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