Lista de lucrari publicate (ISI)

1. Nica, P., Rusu, G. B., Dragos, O., Ursu, C., Effect of Excimer Laser Beam Spot Size on Carbon Laser-Produced Plasma Dynamics, IEEE TRANSACTIONS ON PLASMA SCIENCE, VOL. 42, NO. 10, OCTOBER 2014
2. G. B. Rusu, M. Asandulesa, I. Topala, V. Pohoata, N. Dumitrascu, M. Barboiu, " Atmospheric pressure plasma polymers for tuned QCM detection of protein adhesion" Biosensors and Bioelectronics DOI: 10.1016/j.bios.2013.09.035
3. Bogdan-George Rusu, Frederique Cunin, Mihail Barboiu, " The color of selfassembly- Real-time optical detection of stabilized artificial G-quadruplexes under confined conditions" Angewandte Chemie DOI: 10.1002/anie.201306230
4. A.S. Chiper, A.V. Nastuta, G.B. Rusu, G. Popa, ‘On surface elementary processes and polymer surface modifications induced by double pulsed dielectric barrier discharge’ , Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Vol. 267, Is. 2, p. 313-316, (2009);
5. A. Anghel, C. Porosnicu, M. Badulescu, I. Mustata, C.P. Lungu, K. Sugiyama, S. Lindig, K. Krieger, J. Roth, A. Nastuta, G. Rusu, G. Popa, ‘Surface morphology influence on deuterium retention in beryllium films prepared by thermionic vacuum arc method’, Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Volume 267, Issue 2, Pages 426-429, (2009);
6. A. S. Chiper, G. B. Rusu, A. V. Nastuta and G. Popa, ‘On the discharge parameters of a glow mode DBD at medium and atmospheric pressure’, IEEE TRANSACTIONS ON PLASMA SCIENCE, VOL. 37, NO. 10, OCTOBER 2009;
7. V. Tiron, C. Andrei, A. V. Nastuta, G. B. Rusu, C. Vitelaru and G. Popa, Carbon and Tungsten Sputtering in a Helium Magnetron Discharge, IEEE TRANSACTIONS ON PLASMA SCIENCE, VOL. 37, NO. 8, AUGUST 2009
8. N. Iftimie, M. Crisan, A. Braileanu, D. Crisan, A. Nastuta, G. B. Rusu, P.D. Popa, D. Mardare, ‘On the sensing gas properties of titanium dioxide films’, JOAM, Vol .10 , Is. 9, p. 2363-2366, (2008);
9. A. S. Chiper, A. V. Nastuta, G. B. Rusu, V. Pohoata, R. Cazan, G. Popa, ‘Optical diagnosis of double discharges in pulsed DBD with different barrier materials’, JOAM, Vol. 10, Is. 8, p. 1976-1980, (2008);
10. A.V. Nastuta, G.B. Rusu, I. Topala, A.S. Chiper, G. Popa, ‘Surface modifications of polymer induced by atmospheric DBD plasma in different configurations’, JOAM, Vol. 10, Is. 8, p. 2038-2042, (2008);
11. Ana Garlea, Viorel Melning, M. I. Popa, G Rusu., Entrapment of Tannic Acid in Chitosan Based Nanostructure Matrices*,* MATERIALE PLASTICE, Volume 45, Issue 3, pag: 193-197, 2008;
12. C. DANŢUŞ, G.B. RUSU, G.G. RUSU, P. GORLEY ‚On the structural characteristics of thermally oxidizedCdO thin films’, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 10, No. 11, November 2008, p. 2988 – 2992
13. A. S. Chiper, A. Nastuta, G. Rusu, G. Popa, ‘Electrical characterisation of a double DBD in He at atmospheric pressure used for surface treatments’, JOAM, Vol. 9, Is. 9, p. 2926-2931, (2007).
14. Alina Silvia Chiper, Rusu Bogdan George, Gheorghe Popa, "Influence of the dielectric Surface nonhomogeneites on the dynamic of the pulsed DBD plasma" IEEE Transactions on Plasma Science, Vol. 39, No. 11, Novembre 2011
15. A. S. Chiper, G. B. Rusu, C. Vitelaru, I. Mihaila, G. Popa, A comparative study of helium and argon DBD plasmas suitable for thermosensitive materials processing, ROMANIAN JOURNAL OF PHYSICS Volume: 56 Supplement: S Pages: 126-131
16. Schrittwieser R., Ionita C., Murawski A., Maszl C., Asandulesa M., Nastuta A., Rusu G., Douat C., Olenici S. B., Vojvodic I., Dobromir M., Luca D., Jaksch S., Scheier P., Cavity-hollow cathode-sputtering source for titanium films. Journal of Plasma Physics, 76(3-4):655--664; IAN 2010