

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

A1. Contributii la cinetica de degradare a unor materiale biocompatibile metalice UPB, 2003 , conducator stiintific. Prof. Dr. IOANA Demetrescu.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

Reviste

- 1.Pantazi, A, Vardaki, M., Mihai, G., Ionita, D., Stoian, A.B., Enachescu, M., Demetrescu, I, Understanding surface and interface properties of modified Ti50Zr with nanotubes, Applied Surface Science, Volume 506, 15 March 2020, Article number 144661; WOS:000512983600102
- 2.Badea, N., Craciun, M.M., Dragomir, A.S., Balas, M., Dinischiotu, A., Nistor, C., Gavan, C., Ionita, D., Systems based on carbon nanotubes with potential in cancer therapy, Materials Chemistry and Physics, Volume 241, 1 February 2020, Article number 122435; WOS:000514749500084
- 3.Stoian, A.B., Demetrescu, I., Ionita, D., Nanotubes and nano pores with chitosan construct on TiZr serving as drug reservoir, Colloids and Surfaces B: Biointerfaces, Volume 185, 1 January 2020, Article number 110535; WOS:000504505300010
- 4.Badea, M.A., Balas, M., Hermenean, A., Ciceu, A., Herman, H., Ionita, D., Dinischiotu, A. Influence of Matrigel on Single- and Multiple-Spheroid Cultures in Breast Cancer Research, SLAS Discovery, Volume 24, Issue 5, 1 June 2019, Pages 563-578; WOS:000471185900006
- 5.Stoian, A.B., Surdu-Bob, C., Anghel, A., Ionita, D., Demetrescu, I. , Investigation of high voltage anodic plasma (HVAP) Ag-Dlc coatings on Ti50Zr with different Ag amounts, Coatings Volume 9, Issue 12, 2019, Article number 792, WOS:000506682800021

- 6.Demetrescu, I., Dumitriu, C., Totea, G., Nica, C.I., Dinischiotu, A., Ionita, D. , Zwitterionic cysteine drug coating influence in functionalization of implantable Ti50Zr alloy for antibacterial, biocompatibility and stability properties, Pharmaceutics, Volume 10, Issue 4, December 2018, Article number 220; WOS:000455853800058
- 7.Badea, M.A., Prodana, M., Dinischiotu, A., Crihana, C., Ionita, D., Balas, M, Cisplatin loaded multiwalled carbon nanotubes induce resistance in triple negative breast cancer cells, Pharmaceutics Volume 10, Issue 4, December 2018, Article number 228, WOS:000455853800066
- 8.Buica, G.-O., Stoian, A.B., Ionita, D., Demetrescu, I., The influence of oxygen amount in oral cavity media on the corrosion behavior of nanostructures formed on anodized Zr, Materials and Corrosion, Volume 69, Issue 12, December 2018, Pages 1713-1719; WOS:000452197200003
- 9.Ionita, D., Ungureanu, C., Prodana, M., Negru, A.M., Enachescu, M, Hybrid materials based on multi-walled carbon nanotubes with antimicrobial properties, Revista de Chimie Volume 69, Issue 10, October 2018, Pages 2625-2632, WOS:000451925300006,
- 10.Ionita, D., Golgovici, F., Mazare, A., Badulescu, M., Demetrescu, I., Pandealea-Dobrovicescu, G.-R, Corrosion and antibacterial characterization of Ag-DLC coatingon a new CoCrNbMoZr dental alloy Materials and Corrosion, Volume 69, Issue 10, October 2018, Pages 1403-1411, WOS:000446266800009

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12. Mazare, A., Anghel, A., Surdu-Bob, C., Totea, G., Demetrescu, I., Ionita, D., Silver doped diamond-like carbon antibacterial and corrosion resistance coatings on titanium, *Thin Solid Films* Volume 657, 1 July 2018, Pages 16-23; WOS:000432653700003
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E. Brevete obținute în întreaga activitate

1. Bioaliaj Ti-Zr-Ta-Ag pentru implanturi ortopedice RO132031-B1
2. Procedeu electrochimic de obtinere a aliajelor SnNi din lichide ionice pe baza de clorura de colina, utilizabile ca anodi porosi nanostructurati pentru bateriile cu intercalare ionica RO133427-B1
3. Metoda de depunere a nanoparticulelor de argint pe suprafata unui nou aliaj 60Co-26,5Cr-4,5MO-0,8Mn-6Nb-0.8Zr RO132258B1

Data:

1.10.2021

Semnătura: