

Lista lucrărilor considerate a fi cele mai relevante pentru realizările profesionale proprii

1. A. Cazacu, C. Larosa, P. Beaunier, G. Laurent, P. Nanni, L. Mitoseriu, I. Lisiecki, *Self-organization and/or nanocrystallinity of Co nanocrystals effects on the oxidation process using high-energy electron beam*, ADVANCED FUNCTIONAL MATERIALS, 24(1), 164 – 170, 2014, doi: 10.1002/adfm.201301465, ISSN: 1616-301X. Factor de impact: **11.805**. ZONA ROŞIE, TOP: **6**.
2. Galeş, D. C., Trincă, L. C., Cazacu, A., Peptu, C. A., Jităreanu, G., *Effects of a hydrogel on the cambic chernozem soil's hydrophysic indicators and plant morphophysiological parameters*, GEODERMA, 267, 102–111, 2016, doi:10.1016/j.geoderma.2015.12.008, ISSN: 0016-7061. Factor de impact: **4.036**. ZONA ROŞIE, TOP: **6**.
3. Cara, IG, Trinca, LC, Trofin, AE, Cazacu, A., Topa, D, Peptu, CA, Jitareanu, G, *Assessment of some straw-derived materials for reducing the leaching potential of Metribuzin residues in the soil*, APPLIED SURFACE SCIENCE, 358, 586-594, 2015, doi: 10.1016/j.apsusc.2015.08.141, ISSN: 0169-4332. Factor de impact: **3.150**. ZONA ROŞIE, TOP: **2**.
4. A. Neagu, L. Curecheriu, M. Airimioaei, A. Cazacu, A. Cernescu, L. Mitoseriu, *Impedance spectroscopy characterization of relaxation mechanisms in gold–chitosan nanocomposites*, COMPOSITES PART B: ENGINEERING, 71, 210–217, 2015, doi:10.1016/j.compositesb.2014.11.038, ISSN: 1359-8368. Factor de impact: **3.850**. ZONA ROŞIE, TOP: **5**.
5. A. M. Neagu, L. P. Curecheriu, A. Cazacu, L. Mitoseriu, *Impedance analysis and tunability of BaTiO₃-chitosan composites: towards active dielectrics for flexible electronics*, COMPOSITES PART B: ENGINEERING, 66, 109 – 116, 2014, doi:10.1016/j.compositesb.2014.04.020, ISSN: 1359-8368. Factor de impact: **2.983**. ZONA ROŞIE, TOP: **5**.
6. A. Cazacu, L. Curecheriu, A. Neagu, L. Padurariu, A. Cernescu, I. Lisiecki, L. Mitoseriu, *Tunable gold-chitosan nanocomposites by local field engineering*, APPLIED PHYSICS LETTERS, 102, 222903 (1 – 5), 2013; doi: 10.1063/1.4809673, ISSN: 0003-6951. Factor de impact: **3.515**. ZONA ROŞIE, TOP: **17**.
7. L. Tartau, A. Cazacu, V. Melnig, *Ketoprofen-liposomes formulation for clinical therapy*, JOURNAL OF MATERIALS SCIENCE: MATERIALS IN MEDICINE, 23(10), 2499-2507, 2012; doi: 10.1007/s10856-012-4712-5, ISSN: 0957-4530. Factor de impact: **2.141**. ZONA GALBENĂ, TOP: **27**.
8. A. Gârlea (Cazacu), V. Melnig, M. I. Popa, *Nanostructured chitosan – surfactant matrices as polyphenols nanocapsules template with zero order release kinetics*, JOURNAL OF MATERIALS SCIENCE: MATERIALS IN MEDICINE, 21(4), 1211–1223, 2010; doi 10.1007/s10856-009-3968-x, ISSN: 0957-4530. Factor de impact: **2.325**. ZONA GRI, TOP: **12**.
9. V. Melnig, A. Gârlea (Cazacu), L. Obreja, *Effect of soft-segment chemistry on polyurethane biocompatibility*, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 8(3), 1302-1307, 2006, ISSN: 1454-4164. Factor de impact: **1.106**
10. V. Melnig, L. Obreja, A. Gârlea (Cazacu), *In vitro degradation and erosion of degradable lactate segmented polyurethanes*, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 7(6), 2803-2808, 2005, ISSN: 1454-4164. Factor de impact: **1.138**

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