

Lista max. 10 articole care contribuie la teza de abilitare, 2020-2024 (autor principal):

1. **Istrate, B**; Cojocaru, FD; Henea, ME; Balan, V; Sindilar, EV; Verestiuc, L; Munteanu, C; Solcan, C; In Vitro and In Vivo Analysis of the Mg-Ca-Zn Biodegradable Alloys, JOURNAL OF FUNCTIONAL BIOMATERIALS, 2024,15 (6), 166, 10.3390/jfb15060166, FI (2023): 5
2. **Istrate, B**; Munteanu, C; Baltatu, MS; Cimpoesu, R; Ioanid, N; Microstructural and Electrochemical Influence of Zn in MgCaZn Biodegradable Alloys, MATERIALS, Vol. 16, Iss. 6, DOI10.3390/ma16062487, Article Number 2487, 2023, FI(2022): 3.4
3. **Istrate, B**; Munteanu, C; Antoniac, IV; Lupescu, SC; Current Research Studies of Mg-Ca-Zn Biodegradable Alloys Used as Orthopedic Implants-Review; CRYSTALS, Vol. 12(10), 1468, 10.3390/cryst12101468, FI(2021): 2.67
4. Lupescu, S; Munteanu, C; Sindilar, EV; **Istrate, B***; Mihai, I; Oprisan, B; Pasca, AS; Long-Term Examination of Degradation and In Vivo Biocompatibility of Some Mg-0.5Ca-xY Alloys in Sprague Dawley Rats, MATERIALS, Vol. 15(17), 5958, 2022, 10.3390/ma15175958, FI(2021): 3.748
5. Nastasa, RO; Tufescu, A; Munteanu, C; **Istrate, B***; Przybyl, A; Ianus, G; CONTACT STRESS SIMULATION FOR MG-0.5CA-xMN ALLOYS USED FOR MEDICAL APPLICATION, ARCHIVES OF METALLURGY AND MATERIALS, Vol. 67 (2), 405-408, 2022, 10.24425/amm.2022.137771, FI(2021): 0.633
6. C. Munteanu; D.M. Vlad; E.V. Sindilar; **B. Istrate***; M. Butnaru; S.A. Pasca; R. O. Nastasa; I. Mihai; S.L. Burlea, Novel Mg-0.5Ca-xMn biodegradable alloys intended for orthopedic application: An in vitro and in vivo study, Materials, Vol. 14, Is. 23, Article number 7262, 2021, autor correspondent, Q1, FI(2020):3.623
7. **B. Istrate**, C. Munteanu, R. Cimpoesu, N. Cimpoesu, O.D. Popescu, M.D. Vlad, Microstructural, Electrochemical and In Vitro Analysis of Mg-0.5Ca-xGd Biodegradable Alloys, APPLIED SCIENCES-BASEL, Vol. 11, Is. 3, Article Number: 981, DOI: 10.3390/app11030981, 2021, Q2, FI(2020): 2.679
8. E.V. Sindilar, C. Munteanu, S.A. Pasca, I. Mihai, M.E. Henea, **B. Istrate***, Long Term Evaluation of Biodegradation and Biocompatibility In-Vivo the Mg-0.5Ca-xZr Alloys in Rats, CRYSTALS, Vol. 11 Is. 1, Article Number: 54, DOI: 10.3390/cryst11010054, 2021, autor corespondent, Q2, FI(2020): 2.589
9. **B. Istrate**, C. Munteanu, S. Lupescu, R. Chelariu, M.D. Vlad, P. Vizureanu, Electrochemical Analysis and In Vitro Assay of Mg-0.5Ca-xY Biodegradable Alloys, MATERIALS, Vol. 13, Is. 14, Article Number: 3082, 2020, DOI: 10.3390/ma13143082, WOS:000554140300001, FI (2019): 3.057
10. **B. Istrate**, J.V. Rau, C. Munteanu, I.V. Antoniac, V. Saceleanu, Properties and in vitro assessment of ZrO₂-based coatings obtained by atmospheric plasma jet spraying on biodegradable Mg-Ca and Mg-Ca-Zr alloys, CERAMICS INTERNATIONAL, Vol. 46, Is. 10, 15897-15906 Part: B, 2020, DOI: 10.1016/j.ceramint.2020.03.138, WOS:000533512000020, FI (2019): 3.83.