

## Scientific papers published in International Journals

40. „*Prototype Orthopedic Bone Plates 3D Printed by Laser Melting Deposition*”, Diana Chioibas, Alexandru Achim, Camelia Popescu, George E. Stan, Iuliana Pasuk, Monica Enculescu, Stefana Iosub, **Liviu Duta**, Andrei Popescu, *Materials* **12**, 906, 2019, doi:10.3390/ma12060906, IF (2017)=2.467, AIS 0.625;
39. „*Pulsed Laser Deposition of Aluminum Nitride Films: Correlation between Mechanical, Optical, and Structural Properties*”, Lilyana Kolaklieva, Vasilij Chitanov, Anna Szekeres, Krassimira Antonova, Penka Terziyska, Zsolt Fogarassy, Peter Petrik, Ion N. Mihailescu, **Liviu Duta**, *Coatings* **9**, 195, 2019, DOI:10.3390/coatings9030195, IF (2017)=2.350, AIS 0.510;
38. „*Pulsed laser deposited biocompatible lithium-doped hydroxyapatite coatings with antimicrobial activity*”, **Liviu Duta**, Mariana Carmen Chifiriuc, Gianina Popescu-Pelin, Coralia Bleotu, Gratiela (Pircalabioru) Gradisteanu, Mihai Anastasescu, Alexandru Achim, Andrei Popescu, *Coatings* **9**, 54, DOI:10.3390/coatings9010054, 2019, IF (2017)=2.350, AIS 0.510;
37. „*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*”, **L. Duta**, C. Ristoscu, G.E. Stan, M.A. Husanu, C. Besleaga, M.C. Chifiriuc, V. Lazar, C. Bleotu, F. Miculescu, N. Mihailescu, E. Axente, M. Badiceanu, D. Bociaga, Ion N. Mihailescu, *Applied Surface Science* **441**, PP. 871–883, DOI: 10.1016/j.apsusc.2018.02.047, 31 May 2018, IF (2017)=4.439, AIS 0.5;
36. „*Physical-chemical characterization and biological assessment of simple and lithium-doped biological-derived hydroxyapatite thin films for a new generation of metallic implants*”, AC Popescu, PE Florian, GE Stan, G Popescu-Pelin, I Zgura, M Enculescu, FN Oktar, R Trusca, LE Sima, A Roseanu, **L Duta**, *Applied Surface Science* **439**, PP. 724–735, DOI: 10.1016/J.APSUSC.2018.01.008, 2018, IF (2017)=4.439, AIS 0.5;
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34. „*TEM and AFM studies of Aluminum Nitride films synthesized by Pulsed Laser Deposition*”, Zs. Fogarassy, P. Petrik, **L. Duta**, I.N. Mihailescu, M. Anastasescu, M. Gartner, K. Antonova, A. Szekeres, *Applied Physics A: Materials Science & Processing* **123**:756, DOI: 10.1007/s00339-017-1296-4, 2017, IF=1.455, AIS 0.4;
33. „*Structure-property relationships for Eu doped TiO<sub>2</sub> thin films grown by a laser assisted technique from colloidal sols*”, I. Camps, M. Borlaf, M.T. Colomer, R. Moreno, **L. Duta**, C. Nita, A. Perez del Pino, C. Logofatu, R. Serna, E. Gyorgy, *RSC Advances* **7**, PP. 37643–37653, DOI: 10.1039/c7ra05074g, 2017, IF=3.108, AIS 0.6;
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- 19.** „*Biomimetic nanocrystalline apatite coatings synthesized by Matrix Assisted Pulsed Laser Evaporation for medical applications*”, A. Visan, D. Grossin, N. Stefan, **L. Duta**, F.M. Miroiu, G.E. Stan, M. Sopronyi, C. Luculescu, M. Freche, O. Marsan, C. Charvilat, S. Ciuca, I.N. Mihailescu, Materials Science and Engineering B **181** (1), PP. 56–63, DOI: 10.1016/j.mseb.2013.11.007, February 2014, IF 2.169, AIS 0.475;
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