

List of Publications

CUMULATIVE IMPACT FACTOR: 21.257

1. Paduraru Andrei, Oprea, Ovidiu, Musuc Adina Magdalena, Vasile Bogdan, Iordache Florin, Andronescu Ecaterina. **Influence of Terbium Ions and Their Concentration on the Photoluminescence Properties of Hydroxyapatite for Biomedical Applications.** *Nanomaterials*, 2021, 11. 2442. 10.3390/nano11092442 (IF= 5.076) – Q1
2. Paduraru Andrei, Musuc Adina Magdalena, Oprea Ovidiu, Trusca Roxana, Iordache Florin, Vasile Bogdan, Andronescu Ecaterina. **Synthesis and Characterization of Photoluminescent Ce(III) and Ce(IV) Substituted Hydroxyapatite Nanomaterials by Co-Precipitation Method: Cytotoxicity and Biocompatibility Evaluation.** *Nanomaterials*, 2021, 11. 1911. 10.3390/nano11081911 (IF= 5.076) – Q1
3. Andrei Viorel Paduraru, Ovidiu Oprea, Adina Magdalena Musuc, Bogdan Stefan Vasile, Anton Ficai, Ecaterina Andronescu. **Photoluminescent nanomaterials based on europium doped hydroxyapatite.** *Romanian Journal of Materials* 2021, 51 (3), 353 – 360 (IF= 0.628)
4. Diana Georgiana Filip, Vasile Adrian Surdu, Andrei Paduraru, Ecaterina Andronescu. **Current Development in Biomaterials—Hydroxyapatite and Bioglass for Applications in Biomedical Field: A Review.** *Journal of Functional Biomaterials*, 2022.11. 13(4):248. 10.3390/jfb13040248 (IF= 4.901) – Q2
5. Ecaterina Andronescu, Daniela Predoi, Ionela Andreea Neacsu, Andrei Viorel Paduraru, Adina Magdalena Musuc, Roxana Trusca, Ovidiu Oprea, Eugenia Tansa, Otilia Ruxandra Vasile, Adrian Ionut Nicoara, Adrian Vasile Surdu, Florin Iordache, Alexandra Catalina Birca, Simona Liliana Iconaru, Bogdan Stefan Vasile. **Photoluminescent Hydroxylapatite: Eu³⁺ Doping Effect on Biological Behaviour.** *Nanomaterials*, 2019, 07. 9(9):1187. 10.3390/nano9091187 (IF= 5.076) – Q1
6. Andrei Paduraru, Diana Georgiana Filip, Adina Magdalena Musuc, Ovidiu Cristian Oprea, Roxana Trusca, Vasile Adrian Surdu, Bogdan Stefan Vasile, Ecaterina Andronescu. **Structural and morphological characterization of erbium doped hydroxyapatite for medical imaging.** *Scientific Bulletin, Series B, Chemistry and Materials Science*, ISSN 1454-2331. (IF= 0.500)

Participation on Conferences

- 1.** Paduraru Andrei, Musuc Adina Magdalena, Oprea Ovidiu, Trusca Roxana, Vasile Bogdan, Andronescu Ecaterina. **New cerium substituted hydroxyapatites for biological fluorescence labeling, *SICHEM 2020 Conference, 17-18 September 2020, Bucharest, Romania***
- 2.** Paduraru Andrei, Musuc Adina Magdalena, Oprea Ovidiu, Trusca Roxana, Vasile Bogdan, Andronescu Ecaterina. Hidroxiapatita dopped with cerium for medical imaging. *National Scientific Conference of Academy of Romanian Scientists (AOSR), 20-27 November 2020*
- 3.** Paduraru Andrei, Musuc Adina Magdalena, Oprea Ovidiu, Trusca Roxana, Vasile Bogdan, Iordache Florin, Andronescu Ecaterina. Terbium-doped hydroxyapatite, *Scientific Conference of Academy of Romanian Scientists (AOSR), 25-26 June 2021*