

**LISTA CELOR MAI REPREZENTATIVE 10 LUCĂRI CARE
SUSȚIN CONȚINUTUL TEZEI DE ABILITARE**

1. **Paula Sfirloaga**, Iuliana Sebarchievici, Bogdan Taranu, Maria Poienar, Gabriela Vlase, Titus Vlase, Paulina Vlazan, Investigation of physico-chemical features of lanthanum manganite with nitrogen addition, *Journal of Alloys and Compounds*, 843 (2020) 155854. IF – 6.2 Q1
2. **Sfirloaga, P.**, Poienar, M., Malaescu, I., Lungu, A., Vlazan, P., Perovskite type lanthanum manganite: Morpho-structural analysis and electrical investigations, *Journal of Rare Earths*, Volume 36, Issue 5, May 2018, Pages 499-504. IF – 4.9 Q1
3. **Sfirloaga, Paula**; Taranu, Bogdan-Ovidiu; Poienar, Maria; Vlazan, Paulina, Addressing electrocatalytic activity of metal-substituted lanthanum manganite for the hydrogen evolution reaction, *Surfaces and Interfaces*, 39, 2023 Article number 102881. IF – 6.2 Q1
4. **Sfirloaga, P.**, Vlase, G., Vlase, T., Malaescu, I., Marin, C.N., Vlazan, P., Silver doping in lanthanum manganite materials: structural and electrical properties, *Journal of Thermal Analysis and Calorimetry*, Volume 142, Issue 5, 2020, 1817-1823. IF – 4.4 Q2
5. **Sfirloaga, P.**, Malaescu, I., Nicolae Marin, C., Vlazan, P., The effect of partial substitution of Pd in LaMnO₃ polycrystalline materials synthesized by sol–gel technique on the electrical performance, *Journal of Sol-Gel Science and Technology*, 2019, doi.org/10.1007/s10971-019-05102-3. IF – 2.5 Q1
6. **Sfirloaga, P.**, Poienar, M., Malaescu, I., Lungu, A., Mihali, C.V., Vlazan, P., Electrical conductivity of Ca-substituted lanthanum manganites, *Ceramics International*, Volume 44, Issue 6, 15 April 2018, Pages 5823-5828. IF – 5.2 Q1
7. **P. Sfirloaga**, C.N. Marin, I. Malaescu, P. Vlazan, The electrical performance of ceramics materials with perovskite structure doped with metallic ions, *Ceramics International*, 42 (2016) 18960–18964. IF – 5.2 Q1
8. D. Sojic Merkulov, P. Vlazan, M. Poienar, S. Bognar', C. Ianasi, **P. Sfirloaga***, Sustainable removal of 17 α -ethynylestradiol from aqueous environment using rare earth doped lanthanum manganite nanomaterials, *Catalysis Today*, Vol 424, Article Number, 113746, 2022. IF – 5.3 Q1
9. Bogdan-Ovidiu Taranu, Paulina Vlazan, Paula Svera (m. Ianasi), Maria Poienar, **Paula Sfirloaga***, New functional hybrid materials based on clay minerals for enhanced electrocatalytic activity *Journal of Alloys and Compounds*, 892 (2021) 162239. IF – 6.2 Q1

10. Vlazan, P., Stoia, M., Poienar, M., **Sfirloaga, P.**, Phase transition behaviour and physicochemical properties of KNbO_3 ceramics, *Ceramics International*, Volume 43, Issue 8, 1 June **2017**, Pages 5963-5967. IF – 5.2 Q1