Konferencje naukowe, odbyte w ramach projektu NCN 2012/07/B/ST5/02376

4 th International Workshop on Advanced Spectroscopy and Optical Materials IWASOM 2013, 14-19 July 2013, Gdansk, Poland

1. **Wykład:** Yu. Zorenko, e. a. Development of scintillating screens based on the single crystalline films of Ce doped multi-component $(Gd,Lu,Y)_3(Al,Sc)_5O_{12}$ garnets.
2. **Prezentacja posterowa:** Yu. Zorenko, e. a. Luminescent properties of the Sc^{3+} doped single crystalline films of $(Y,Lu,La)_3(Al,Ga)_5O_{12}$ multicomponent garnets**.**
3. **Prezentacja posterowa:** T. Zorenko, e. a. Luminescence properties of Mn-doped $Y_3Al_5O_{12}$ single crystalline films**.**
4. **Prezentacja posterowa:** T. Zorenko, e. a. Luminescent properties of Bi^{3+}- and Bi^{3+}-Ce^{3+} doped Y_2SiO_5 and Lu_2SiO_5 single crystalline films**.**
5. **Prezentacja posterowa:** V. Gorbenko, e. a. Luminescent properties of YAG:Tm and YAG:Ce,Tm single crystalline films**.**
6. **Prezentacja posterowa:** V. Gorbenko, e. a. Comporative analyses of the scintillation and thermoluminescent properties of Ce-doped LSO and YSO crystals and films**.**

17 International Conference ICCGE, 11-16.08.2013, Warsaw, Poland

7. **Wykład:** Yu. Zorenko, e. a. Development of scintillating screens based on the single crystalline films of Ce doped $(Gd,Y)_3(Al,Ga,Sc)_5O_{12}$ multi-component garnets**.**
8. **Prezentacja posterowa:** Yu. Zorenko, e. a. Scintillating screens based on the Ce^{3+} and Ce^{3+}-Tb^{3+} doped Lu_2SiO_5 and Y_2SiO_5 single crystalline films **.**

4 th International Conference OMEE 2014, 26-30 May 2014, Lviv, Ukraine

9. **Zaproszony wykład:** Yu. Zorenko. Scintillating screens based on the single crystalline films of orhtosilicates and multicomponent garnets**.**
10. **Wykład:** A. Suchocki, e. a. Ce^{3+} - multicenters in selected garnets, perovskites and glasses**.**
11. **Wykład:** V. Gorbenko, e. a. Growth, luminescent properties and energy transfer processes in $(Lu,Tb)_3Al_5O_{12}$:Ce single crystalline films**.**
12. **Prezentacja posterowa:** A. Twardak, e. a. Thermoluminescence properties of LSO:Ce and YSO:Ce films grown from PbO and Bi_2O_3 fluxes**.**
13. **Prezentacja posterowa: V.** Gorenko, e. a. Growth and luminescent properties of $(Gd,Tb)_3Al_5O_{12}$:Ce single crystalline**.**
14. **Prezentacja posterowa:** Yu. Zorenko, e. a. Luminescent and scintillation properties of $CaWO_4$ and $CaWO_4$:Bi single crystalline films**.**

17 th International Conference ICL, 13-18 July 2014, Wroclaw Poland

15. **Wykład:** Yu. Zorenko, e. a. Scintillating screens based on the single crystalline films of multicomponent garnets: new achievements and new possibilities**.**
16. **Prezentacja posterowa:** V. Gorbenko, e. a. Light efficiency and energy dissipation mechanism in phosphors based on solid solutions of Ce-doped garnets**.**
17. **Prezentacja posterowa:** Yu. Zorenko, e. a. Enhancement of upconversion luminescence in Er,Ce-doped $Y_{3-x}Yb_xAG$ single crystalline films**.**
18. **Prezentacja posterowa:** V. Gorbenko, e. a. Comparative studies of the luminescent and scintillation properties of $CaWO_4$ and $CaWO_4$:Bi single crystalline films and single crystals**.**

13 th International Conference SCINT, 8-12.05.2015, San-Francisco USA

19. **Krotki wykład i prezentacja posterowa.** Yuriy Zorenko, e. a. Scintillating screens based on the single crystalline films of multicomponent garnets: new demands, achievements and possibilities.
20. **Krotki wykład i prezentacja posterowa.** Paul-Antoine Douissard, Yu. Zorenko, e. a. Scintillating screens for micro-imaging based on the Ce and Ce-Pr doped LuAG single crystal films.
21. **Krotki wykład i prezentacja posterowa.** F. Riva, e. a., P-A. Douissard, T. Martin, Yu. Zorenko, e. a., Rare-earth doped GAP and GdLuAP scintillating thin films for synchrotron imaging applications**.**
22. **Krotki wykład i prezentacja posterowa.** O. Sidletskiy, P. Arhipov, B. Grinyov, Yu. Zorenko, e. a., Cerium Aluminium Perovskite $CeAlO_3$: a Promising Scintillator for HEP Experiments at Colliders**.**

5th International Workshop on Advanced Spectroscopy and Optical Materials IWASOM, 19-24.07.2015, Gdansk, Poland

23. **Zaproszony wykład:** Yu. Zorenko, e. a. High-performance scintillating screens based on the single crystalline films of multicomponent garnets**.**
24. **Wykład:** V. Gorbenko, e. a. Growth, scintillation properties and energy transfer processes in $Lu_{3-x}Tb_xAl_{5-y}Ga_yO_{12}$:Ce single crystalline films**.**
25. **Prezentacja posterowa:** Yu. Zorenko, e. a. Comparison of the luminescent properties of $Lu_3Al_5O_{12}$:Pr and $Y_3Al_5O_{12}$:Pr crystals and films under synchrotron radiation excitation.
26. **Prezentacja posterowa:** V. Gorbenko, e. a. Luminescent properties of the $Tm_{3-x}Lu_xAl_5O_{12}$:Ce single crystalline films. The 5th International Workshop on Advanced Spectroscopy and Optical Materials, 19-24.07. 2015, Gdansk, Poland. Books of abstracts. P.43, P.124. - **prezentacja posterowa.**
27. **Prezentacja posterowa:** T. Zorenko, e. a. Luminescent properties of Al_2O_3:Ce single crystalline films under synchrotron radiation excitation**.**
28. **Prezentacja posterowa:** A. Twardak, Comparison of thermoluminescence properties of LSO:Ce and YSO:Ce films grown from PbO and Bi_2O_3 fluxes.

4th International Conference on the Physics of Optical Materials and Devices. Book of abstract, 31.08-04.09.2015, Budva, Montenegro

29. **Wykład:** Yu. Zorenko, e. a. Composition engineering of single crystalline films based on the multicomponent garnet compounds**.**

5th European Conference on Crystal Growth, 9-11.09.2015, Bologna, Italy

30. **Wykład:** Yu. Zorenko, e. a. Application of LPE method for producing of high-performance scintillating screens based on the single crystalline films of multicomponent garnets**.**
31. **Wykład:** Riva F., Douissard P.-A., Martin T., Zorenko Yu., e. a. Petrosyan A., Dujardin Ch., Liquid phase epitaxial growth of GdAP and GdLuAP scintillating films for synchrotron imaging, Abstracts book of 5th European Conference on Crystal Growth, 9-11.09.2015, Bologna, Italy, P.251. - **ustny wykład.**
32. **Prezentacja posterowa**: Yu. Zorenko, e. a., Growth and luminescent properties of single crystalline films of Ce^{3+} doped $Gd_{1-x}Lu_xAlO_3$ and $Pr_{1-x}Lu_x AlO_3$ perovskites**.**

2**0th International Seminar on Physics and Chemistry of Solids, Lviv, 13-16.09.2015**,
33. **Prezentacja posterowa** Yu. Zorenko, V. Gorbenko, e. a. Last acheavements in creation of the single crystalline film scintillators based on the multicomponent garnet compounds.

9th International Conference on Luminescent Detectors and Transformers of Ionizing Radiation LUMDETR2015, 20-25.09.2015, Tartu, Estonia

34. **Wykład:** Yu. Zorenko, e. a. Scintillating screens based on the single crystalline films of multicomponent garnets: new achievements and new possibilities**.**
35. **Prezentacja posterowa**: Yu. Zorenko, e. a. Comparison of the luminescent properties Lu_2SiO_5:Ce and Y_2SiO_5:Ce single crystals and film under synchrotron radiation excitation**.**
36. **Prezentacja posterowa**: Yu. Zorenko, e. a. Luminescence properties of YAG:Yb and LuAG:Yb single crystalline films grown by Liquid Phase Epitaxy method**.**
37. **Prezentacja posterowa:** V. Gorbenko, e. a. Luminescent and scintillation properties of the Pr^{3+} doped single crystalline films of $Lu_3Al_{5-x}Ga_xO_{12}$ garnet**.**
38. **Prezentacja posterowa:** V. Gorbenko, e. a. Luminescent and scintillation properties of Dy^{3+} and Dy^{3+}-Ce^{3+} doped $Y_3Al_5O_{12}$ crystalline films**.**
39. **Prezentacja posterowa:** V. Gorbenko, e. a. Luminescent and scintillation properties of Sc^{3+} and La^{3+} doped Y_2SiO_5:Sc single crystalline films and ceramic**.**
40. **Prezentacja posterowa:** K. Bartosiewicz, Yu. Zorenko, V. Gorbenko, e. a., Luminescence and Energy Transfer Processes in $(Lu,Tb)_3Al_5O_{12}$ Single Crystalline Films Doped with Ce^{3+}.

7th Internatinal Symposium on Optical Materials IS-OM-7, 20.02-4.03.2016, Lyon, France

41. Scintillating screens based on the LPE grown $Tb_3Al_5O_{12}$:Ce single crystalline films.

19th Euripien Conference Defects in Insulated Materials EURODIM 2016, 10-15.07.2016, Lyon, France
42. **Wykład:** Yu. Zorenko, e. a. Scintillators based on the Ce^{3+} doped single crystalline films of multicomponent garnets: new trends and new challenges**.**
43. **Krotki wykład i prezentacja posterowa.** Yu. Zorenko, e. a., Comparison of the luminescent properties LuAG:Pr and YAG:Pr crystals, films and nanopowders using synchrotron radiation**.**