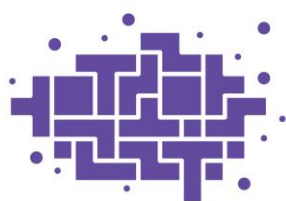


Projekta Izp-2018/1-0361 rezultāti

Luminiscences mehānismu un dozimetrisko īpašību izpēte perspektīvos nitrīdos un oksīdos ar TL un OSL metodēm

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Einbergs, E.; Zolotarjovs, A.; Bite, I.; Laganovska, K.; Auzins, K.; Smits, K.; Trinkler, L. Usability of Cr-doped alumina in dosimetry. - *Ceram.*, 2019, 2 (3), 525-535, <https://doi.org/10.3390/ceramics2030040>
2. Cipa, J.; Trinkler, L.; Berzina, B. Thermoluminescence Response of AlN+Y2O3Ceramics to Sunlight and X-Ray Irradiation. - *Latv. J. Phys. Tech. Sci.*, 2021, 58 (1), 3-14, <https://doi.org/10.2478/lpts-2021-0001>
3. Einbergs, E.; Zolotarjovs, A.; Bite, I.; Cipa, J.; Vitola, V.; Laganovska, K.; Trinkler, L. Re-Evaluation of Chromium Doped Alumina for Dosimetric Applications. - *Latv. J. Phys. Tech. Sci.*, 2021, 58 (1), 15-22, <https://doi.org/10.2478/lpts-2021-0002>
4. Trinkler, L.; Trukhin, A.; Chou, M. M. C. Comparison of Luminescence in LiGaO₂, Al₂O₃-Ga and Al₂O₃-Li Crystals. - *Latv. J. Phys. Tech. Sci.*, 2018, 55 (6), 4-12, <https://doi.org/10.2478/lpts-2018-0038>
5. Berzina, B.; Trinkler, L.; Korsaks, V.; Ruska, R. Nitrogen vacancy type defect luminescence of AlN nanopowder. – *Opt. Mater.*, 2020, 108, <https://doi.org/10.1016/j.optmat.2020.110069>
6. Trinkler, L.; Trukhin, A.; Cipa, J.; Berzina, B. UV light induced processes in pure and doped AlN ceramics. – *Opt. Mater.*, 2021, 121, <https://doi.org/10.1016/j.optmat.2021.111550>
7. Trinkler, L.; Trukhin, A.; Cipa, J.; Berzina, B.; Korsaks, V.; Chou, M. M. C.; Li, C. A. Spectral and kinetic characteristics of pyroelectric luminescence in LiGaO₂. – *Opt. Mater.*, 2019, 94, 15-20, <https://doi.org/10.1016/j.optmat.2019.05.014>
8. Trukhin, A.; Trinkler, L.; Zolotarjovs, A. Pyroelectric activity of LiGaO₂, Li₂GeO₃, Li₂B₄O₇ and LiNbO₃ crystals: Pyroelectric luminescence and excitation of cathodoluminescence in scintillator ScPO₄. – *Opt. Mater.*, 2020, 109, <https://doi.org/10.1016/j.optmat.2020.110391>



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