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Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Investigation of seeded vertical gradient freeze (VGF) growth of CdZnTe bulk crystals**
BALBAŞI Ö. B. , ÜNAL M., Genç A. M. , ÇELİK G., PARLAK M., TURAN R.
Journal of Crystal Growth, vol.584, 2022 (Journal Indexed in SCI Expanded)
- II. **Interface stability problem towards the end of THM growth of cadmium zinc telluride crystals**
Ünal M., Balbaşı Ö. B. , Genç A. M. , Parlak M., Turan R.
Journal of Crystal Growth, vol.584, 2022 (Journal Indexed in SCI Expanded)
- III. **Production of High-Performance CdZnTe Crystals Grown by THM for Radiation Detection Applications**
ÜNAL M., BALBAŞI Ö. B. , Karaman M. C. , Genç A. M. , PARLAK M., TURAN R.
Journal of Electronic Materials, 2022 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **A study on the performance the CdZnxTe1-x radiation detectors grown by vertical gradient freeze (VGF) technique**
Bender D., Turan R., Ünal A. M. , Ünal M., Balbaşı Ö. B. , Yılmaz E.
Seventh International Conference on Radiation in Various Fields of Research, Podgorica, Serbia And Montenegro, 10 - 14 June 2019
- II. **CdZnTe Bulk Crystal Growth and Temperature Modeling Studies at METU-CGL**
BALBAŞI Ö. B. , ERGUNT Y., DOĞRU Ç., KABUKÇUOĞLU M., ÜNAL M., PARLAK M., TURAN R.
SPIE, San Diego, United States Of America, 17 September 2017 - 21 September 2018
- III. **Growth, Wafering and Surface Preparation of CdZnTe Crystals for X-ray and Gamma Ray Applications**
ÜNAL M., Bender D., BALBAŞI Ö. B. , Ünal A. M. , Kabukcuoğlu M. P. , Ergunt H. Y. , PARLAK M., TURAN R.
SIXTH EUROPEAN CONFERENCE ON CRYSTAL GROWTH, Varna, Bulgaria, 16 - 20 September 2018
- IV. **CdZnTe Bulk Crystal Growth and Temperature Modeling Studies at METU-CGL**
BALBAŞI Ö. B. , Ergunt Y., DOĞRU Ç., Kabukcuoğlu M., ÜNAL M., PARLAK M., TURAN R.
Conference on Hard X-Ray, Gamma-Ray, and Neutron Detector Physics XX, California, United States Of America, 20 - 21 August 2018, vol.10762
- V. **Optimization of chemical polishing by bromine-alcohol for detector-grade CdZnTe crystals and its effect on contacts**
ÜNAL M., Bender D., BALBAŞI Ö. B. , Kabukcuoğlu M. P. , Ergunt H. Y. , TURAN R.
SPIE Optics Photoics - Hard X-Ray, Gamma-Ray, and Neutron Detector Physics XX, San Diego, United States Of America, 19 - 23 August 2018