CURRICULUM VITAE

Terzin Igor

Affiliation and official address:

Junior Research Scientist, Department of Nonlinear Crystals, Institute for Single Crystals NAS of Ukraine,
61072, Ukraine, Kharkiv, Nauky Ave. 60.

E-mail: igor_terzin@ukr.net

Education (*degrees, dates, universities)*

1980 – Sc. S. Ukrainian Engineering and Pedagogical Academy, Kharkov, USSR (Automation and Telemechanics)

Career/Employment (*employers, positions and dates)*

1982-1988	Engineer	Institute for Single Crystals, Kharkov, USSR
1988 – 2005	Senior Engineer	Institute for Single Crystals, Kharkov, USSR
2005 - date	Junior Research Scientist	Institute for Single Crystals NASU, Kharkiv, Ukraine

Main field of activity and current research interest

Crystal growth from melts. Physical properties of nonlinear-optical materials

Publications and patents

24 original articles, 1 patent.
Scopus *h*-index: **5**
https://www.scopus.com/authid/detail.uri?authorId=36683085900

Selected recent publications:

1. D.S. Sofronov, P.V. Mormilo, N.O. Kovalenko, E.M. Sofronova, P.V. Matejchenko, E.Yu. Bryleva, A.K. Kapustnik, **I.S. Terzin**, *CdSe charge obtaining for single crystals growth in alkaline solutions,* Functional Materials, 2018, V. 25 (2), P. 353-357, DOI:10.15407/fm25.02.353.

2. N.O. Kovalenko, **I.S. Terzin**, S.V. Sulima, O.O. Poluboiarov, A.K. Kapustnik, D.S. Sofronov, P.F. Mateichenko, N.G. Dubina, S.L. Abashin, A.G. Fedorov, *High-pressure Bridgman growth and characterization of $Cd_{1-x}Mn_xTe$:Fe crystals* , Crystal Research and Technology, 2017, Vol. 52 (8), P. 1600378, DOI:10.1002/crat.201600378, ***Q2***

3. M.E. Doroshenko, V.V. Osiko, H. Jelinkova, N.O. Kovalenko, **I.S. Terzin,** $Cd_{1-x}Mn_xTe$ (x=0.1-0.78) crystals doped with Fe^{2+} ions: Spectroscopic properties and laser oscillations at 4.95-5.27 μm at low temperature, Laser Physics Letters, 2017, V. 14 (2), P.025801, DOI:10.1088/1612-202X/aa5241, ***Q1.***

4. M.E. Doroshenko, V.V. Osiko V.V., H. Jelinkova, N.O. Kovalenko, **I.S. Terzin**, Spectral and lasing characteristics of Fe:$Cd_{1-X}Mn_XTe$ (x=0.1-0.76) crystals in the temperature range 77 to 300 K, Optical Materials Express, 2018, V. 8(7), P.1708, DOI:10.1364/OME.8.001708, ***Q1.***

5. M.E. Doroshenko, H. Jelínkova, M. Jelínek, N.O. Kovalenko, **I.S. Terzin,** Room temperature Fe^{2+}:$Cd_{1-X}Mn_XTe$ laser generating at 5.4-6 μm, Optics Letters, 2018, V. 43 (20), P. 5058, DOI:10.1364/OL.43.005058, ***Q1*.**

6. M.E. Doroshenko, H. Jelínkova, M. Jelínek, N.O. Kovalenko, **I.S. Terzin,** Influence of the pumping wavelength on laser properties of Fe^{2+}ions in ZnSe crystal, Optics Letters, 2019, V. 44 (7), P. 1686, DOI:10.1364/OL.44.001686, ***Q1.***