

CURRICULUM VITAE



Voronov Oleksiy

Affiliation and official address:

Senior Research Scientist, Department of Nonlinear Crystals,
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Education (degrees, dates, universities)

1972 – M. S.	Kharkov State University, USSR (Physics)
1983 – Cand.Sc. (Ph.D)	Institute for Single Crystals NASU, Kharkov, USSR (Solid State Physics)
1988 –	Diploma of Senior Research Scientist (Solid State Physics), Institute for Single Crystals, Kharkov, USSR
2019 – Dr. Sc.	Institute for Single Crystals NASU, Kharkiv, Ukraine (Materials Science)

Career/Employment (employers, positions and dates)

1972-1988	Junior Research Scientist	Institute for Single Crystals NASU, Kharkov, USSR
1988-2019	Senior Research Scientist	Institute for Single Crystals NASU, Kharkiv, Ukraine
2019-data	Senior Research Scientist	Institute for Single Crystals NASU, Kharkiv, Ukraine

Main field of activity and current research interest

Crystal growth from solutions; Defects in crystals; Physical properties of radiation-sensitive materials; Development and investigation of composite materials for laser and optoelectronic technique

Publications and patents

1 - Book, 55 original articles, 12 patents;

Scopus *h*-index: **5** ;

<https://www.scopus.com/authid/detail.uri?authorId=7101977804>;

<https://orcid.org/0000-0002-7911-1154>.

Selected recent publications:

- (1) A.P. Voronov, G.N. Babenko, V.M. Puzikov, *Growth of LiH₂PO₄ single crystals from phosphate solutions*, Journal of Crystal Growth, 2013, V.374, P.49-52.
<https://doi.org/10.1016/j.jcrysgro.2013.04.009>, **Q2**.
- (2) **A.P. Voronov**, G.N. Babenko, V.M. Puzikov, A.D. Roshal, A.N. Iurchenko, *Influence of thallium and salicylic acid impurities as well as of the solution stoichiometry on the growth kinetics of prismatic ADP crystal faces*, Journal of Crystal Growth, 2015, V.415, P. 100–105.
<https://doi.org/10.1016/j.jcrysgro.2014.12.035>, **Q2**.
- (3) A. Iurchenko, J. Borc, K. Sangwal, **A. Voronov**, *Microindentation deformation of lithium dihydrogen phosphate single crystals: microhardness measurement and indentation size effect*,

Materials Chemistry and Physics, 2016, V.170, P. 276–284. <https://doi.org/10.1016/j.matchemphys.2015.12.052>, **Q1**.

(4) G.N. Babenko, E.F. Dolzhenkova, **A.P. Voronov** et al, *Solution growth and characterization of high quality organic 4N,N'- dymethylamino-N-methyl-4-stilbazolium tosylate crystals*, Functional Materials, 2020, V.27, No.4, P.681-686. <https://doi.org/10.15407/fm27.04.681>, **Q4**.

(5) **A. Voronov**, S. Naydenov, I. Pritula et al., *Scintillation monocrystals of KDP:TI and KDP:Ce doped by thallium and cerium for selective detection of fast neutrons*, East European Journal of Physics, 2018, 5(3), P.45-52. <https://doi.org/10.26565/2312-4334-2018-3-05>.

(6) S.V. Naydenov, **A.P. Voronov**, I.M. Pritula, C.F. Smith, *Scintillation Crystals of Thallium and Cerium Doped Potassium Dihydrogen Phosphate (KDP: TI and KDP: Ce) for Selective Detection of Fast Neutrons*, In book: Chapter 5 in Advances in Materials Science Research. 2020, Volume 43, P. 143-174, ISBN: 978-1-53618-730-4.