

Prof. Dmitry Khokhlov

LIST OF PUBLICATIONS IN REFEREED JOURNALS

1. B.A.Akimov, N.B.Brandt, L.I.Ryabova, D.R.Khokhlov, S.M.Chudinov, O.B.Yatsenko. Anomalous behavior of impurity centers in  $Pb_{1-x}Sn_xTe(Ga)$  alloys under pressure. *Pis'ma v Zhurn. Eksp. Teor. Fiz. (in Russian)*, **31** 304-307 (1980).
2. B.A.Akimov, N.B.Brandt, L.I.Ryabova, D.R.Khokhlov. Photoconductivity of  $Pb_{1-x}Sn_xTe$  alloys doped with Al, Ga, In, Cd. *Pis'ma v Zhurn. Tekhn. Fiz. (in Russian)*, **6** 1269-1273 (1980).
3. B.A.Akimov, N.B.Brandt, A.A.Zhukov, L.I.Ryabova, D.R.Khokhlov. Peculiarities of the band structure of  $Pb_{1-x}Sn_xTe(In)$  alloys with high indium concentration. *Fiz. Tekhn. Poluprov. (in Russian)*, **15** 2232-2234 (1981).
4. B.A.Akimov, N.B.Brandt, S.O.Klimonskiy, L.I.Ryabova, D.R.Khokhlov. Dynamics of the semiconductor-metal transition induced by infrared illumination in  $Pb_{1-x}Sn_xTe(In)$  alloys. *Phys. Lett. A*, **88A** 483-486 (1982).
5. B.A.Akimov, N.B.Brandt, A.M.Gas'kov, V.P.Zlomanov, L.I.Ryabova, D.R.Khokhlov. Impurity states of Ga and photoelectric properties of  $PbTe(Ga)$ . *Fiz. Tekhn. Poluprovodn. (in Russian)*, **17** 87-92 (1983).
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9. B.A.Akimov, A.M.Gas'kov, L.I.Ryabova, D.R.Khokhlov. Transformation of the energy spectrum in  $Pb_{1-x}Sn_xTe(Cd)$  alloys under pressure. *Fiz. Tekhn. Poluprovodn. (in Russian)*, **21** 1588-1593 (1987).
10. B.A.Akimov, N.B.Brandt, D.R.Khokhlov, S.N.Chesnokov. UHF-quenching of the persistent photoconductivity in  $Pb_{1-x}Sn_xTe(In)$ . *Pis'ma v Zhurn. Tekhn. Fiz. (in Russian)*, **14** 731-735 (1988).
11. B.A.Akimov, N.B.Brandt, S.N.Chesnokov, K.N.Egorov, D.R.Khokhlov. Local unequilibrium states in  $Pb_{1-x}Sn_xTe(In)$  ( $x=0.25$ ). *Solid State Commun.*, **66** 811-813 (1988).
12. B.A.Akimov, A.V.Nikorich, D.R.Khokhlov, S.N.Chesnokov. Conductivity of  $Pb_{0.75}Sn_{0.25}Te(In)$  alloys under combined action of electric and magnetic fields. *Fiz. Tekhn. Poluprovodn. (in Russian)*, **23** 668-672 (1989).
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14. N.Romcevic, Z.V.Popovic, D.R.Khokhlov, A.V.Nikorich, W.Konig. Far-infrared study of In doped  $Pb_{0.75}Sn_{0.25}Te$  single crystals. *Infrared Phys.*, **31** 225-230 (1991).

15. N.Romcevic, Z.V.Popovic, D.R.Khokhlov, A.V.Nikorich, W.Konig. Far-infrared study of localized states in In-doped  $\text{Pb}_{0.75}\text{Sn}_{0.25}\text{Te}$  single crystals. *Phys.Rev.B*, **43** 6712-6716 (1991).
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