

CONTENTS

Impact of mass and size effects of beryllium oxide on water radiolysis process occurring in BeO+H ₂ O system under the influence of gamma-quanta Y.D.Jafarov, S.R. Hajiyeva, N.K. Ramazanova, S.M. Aliyev.....	5
Mechanism of the radical loss in γ -irradiated polymethylmethacrylate under hydrostatic pressure I.I. Aliyev, A.M. Maharramov, I.A. Orujov, S.A. Huseynova, D.J. Askerov, D.A. Rustamova.....	12
Relaxation processes in irradiated ZnIn ₂ Se ₄ monocrystals N.M. Mehdiyev.....	19
Study of the Poole-Frenkel effect in tIs crystals exposed to radiation influence R.M. Sardarly, A.P. Abdullayev, N.A. Aliyeva, S.M. Gahramanova, I.A. Abdullayeva, G.E. Mammadova, S.D. Dadashova.....	24
Thermal conductivity of Pb _{1-x} Mn _x Se thin films R.S. Madatov, I.R. Nuriyev, Sh.S. Ismayilov, R.M. Mamishova.....	31
Effect of radioprotectors on post-radiation reparation Z.H. Muslumova.....	37
Research of polychlorinated compounds in used transformer oil A.A. Javanshirova, Z. I. Iskenderova, M. A. Gurbanov.....	42
Study of radiation-chemical transformations and composition of deposit in oil pipeline N.K. Guliyeva, Z.O. Nabizadeh, S.A. Sabzaliyev, I.I. Mustafayev.....	48
The influence of ionizing radiation on some properties of petrol AI-92 L.Y. Jabbarova, S.M.Aliyev, S.Z. Malikova.....	54