

Table of Contents

Diffusion in II-VI Semiconductors, Ternary System: $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$ N.E. Walsøe de Reca	1
Dislocations in MBE-Grown ZnSe/GaAs(001) Epitaxial Layers M.A. Vidal, M.E. Constantino, B. Salazar-Hernández, H. Navarro-Contreras, M. López-López, I. Hernández-Calderón and H. Yonezu	31
Interdiffusion of Mn and Mg Ions in CdTe-Based Quantum Wells, Studied by Spin Tracing S. Maćkowski and J.A. Gaj	47
TEM Study of Dislocations in ZnTe/GaAs Heterostructure Grown by Hot-Wall Epitaxy P. Han	59
Theoretical Description of the Diffusion of Atomic Probes in the Core of the Crystallite Conjugation Region*, and in the Adjacent Lattice S.M. Klotsman, M.I. Kurkin, V.N. Kaigorodov and V.V. Dyakin	67
An Experimental Study of the Temperature Dependence of the Population of States Associated with Substitutional ^{57}Co Probes in the Core of Crystallite Conjugation Regions and in the Adjacent Lattice Sites of Polycrystalline Tungsten V.N. Kaigorodov, S.M. Klotsman, M.I. Kurkin and V.V. Dyakin	75
Abstracts	1