

Table of Contents

On the History of Solid-State Diffusion	
C. Tuijn	1
Diffusion in the Lattice Gas I: The Haven Ratio	
L.J. Zhang and G.E. Murch	49
Diffusion in the Lattice Gas II: The Isotope Effect	
L.J. Zhang and G.E. Murch	59
Defects in the Quasicrystalline Phase of Al-Li-Cu	
D.P. Yu, N.L. Baluc and N. Kléman	65
Uphill Diffusion Effects during Hydrogen Permeation in Palladium-Cerium Alloy Membranes	
H. Tanaka, Y. Sakamoto, F.A. Lewis and X.Q. Tong	85
Abstracts	1