

Table of Contents

Physical Properties of Boron-Nitride and Carbon-Nitride Films Deposited by Sputtering G. Fusco, F. Giorgis, C.F. Pirri, A. Tagliaferro, E. Tresso, C. De Martino and P. Rava	3
New Applications of Porous Silicon G. Amato and N. Brunetto	15
Analysis of Defects in Metals, Semiconductors and Photoconducting Insulators through Current Noise Measurements A. Carbone and P. Mazzetti	25
Raman Spectroscopy on Amorphous Silicon Based Alloys F. Giorgis	33
Modelling of Superalinearity and Thermal Quenching of Photoconductivity in Amorphous Silicon E. Morgado	39
Diffusion in Metallic Glasses under Non-Equilibrium Conditions V. Rosato and M. Vittori Antisari	47
Electronic Structure and Energy of the Defect-Impurity Complexes in Intermetallic Compound TiAl C.Y. Wang, S.Y. Liu and L.G. Han	73
Defect Structures in Spinel Ferrites E. Wolska	89
Abstracts	1