

LECTURES

Kaiser, N. Constantopoulos

Overview on the integrated Project "Materials Research for 7 Information Technology".

I.M. Sokolov, P. Argyrakis and A. Blumen

Diffusion controlled Recombination of interacting Species. 11

P. Misaelides, K. Bethge

Accelerator-Based Techniques for the Materials 23
Characterization and Analysis.

N. Guskos, V. Likodimos, H. Metz and W. Windsch

High Temperature Superconductors of (Gd,RE)-Ba-Cu-O 35
(RE=La, Pr, Nd, Sm, Eu, Dy, Ho, Er, Tm, Yb and Lu).

A. Travlos, A. Aloupogiannis, E. Rocofyllou, C. Papastaikoudis

Electrical and Magnetic Properties of Dysprosium Silicide 61
thin Films.

N. Stefanou, N. Papanikolaou, R. Zeller, P.H. Dederichs

Electronic Properties of Impurities in simple Metals. 75

P. Argyrakis, W. Kehr

Multifractal Properties of Random Walks in Disordered Lattices 87

J. Sotiropoulos, W. Fuhs

Optical Spectra and Structure of amorphous Alloys. 101

J. Simitzis, G. Hinrichsen

Influence of Doping Systems on the electrical Conductivity 109
and Structure of Polyphenylenes.

A.D. Zdetsis, S.D. Peyerimhoff, G. Froudakis, M. Mühlhäuser, B. Engels, N. Flytzanis

Small SiC Clusters: A parallel Study of the Si₂C₄, Si₃C₃ and 123
Si₄C₂ Species.

E. Anastassakis, J. Cai, E. Liarokapis, Y.S. Raptis, N. Blick M. van der Emde, N. Esser, A. Kost, A. Markl, u. Resch-Esser, W.
Richter, U. Rossow, Th. Werninghaus

Optical Analysis of thin Semiconducting Films -II 151

LISTING WITH MAILING ADDRESSES, FAX- AND PHONE-NUMBERS 167
OF THE PARTICIPANTS