

CONTENTS

Preface	A4
Cluster Growth in Expanding Copper Vapor	1
B. K. Rao and B. M. Smirnov	
Physical Mechanisms of Enhanced Conductivity in Irradiated InO_x Nanocrystalline Films	11
M. Bender, N. Katsarakis, G. Kiriakidis, I.A. Ovid'ko and A.B. Rezis	
Yield Stress of Nanocrystalline Materials	16
C.S. Pande, R. A. Masumura and P. M. Hazzledine	
Calorimetric Measurements of Grain Growth in Ultrafine-Grained Nickel	23
A. P. Zhilyaev, G. V. Nurislamova, S. Suriñach, M. D. Baró and T. G. Langdon	
Nanostructured Layers in High Temperature - Pressure Treated Silicon Implanted with Hydrogen / Helium	31
A. Misiuk, J. Bak-Misiuk, M. Kaniewska, K. S. Zhuravlev, V. Raineri and I. V. Antonova	
Nanostructured Vacuum Arc Deposited Titanium Coatings	39
B.B. Straumal, N.F. Vershinin, A.A. Asrian, E. Rabkin and R. Kroeger	
Ceramic materials with controlled porosity	43
E.A. Vasylyeva, I.V. Morozova, A.E. Lapshin and V.G. Konakov	
Grain Boundary Dislocation Structures Near Triple Junctions in Nano- and Polycrystalline Materials	49
A.A. Fedorov, A.I. Kolesnikova and I.A. Ovid'ko	
Symposium M "Nanoscale Materials and Technology" ICMAT 2001 paper:	
Nanostructuring of Polymers in Liquid by the Use of Polymer Crazing	56
A. S. Körbes, L. J. Balk and J.W. Schultze	
New Journal – Journal of Nanoscience and Nanotechnology	A5
New Journal – Reviews on Advanced Materials Science	A6
MRS Symposium I: Nanomaterials for Structural Applications	A7
Copyright Transfer Form	A8