

Review papers in Journal of Materials Science Volumes 39 and 40

Volume 39 (2004)

A. BALDAN Adhesively-bonded joints and repairs in metallic alloys, polymers and composite materials, p. 1

E. HORNBOGEN Thermo-mechanical fatigue of shape memory alloys, p. 385

L. E. MURR, E. V. ESQUIVEL Observations of common microstructural issues associated with dynamic deformation phenomena: Twins, microbands, grain size effects, shear bands, and dynamic recrystallization, p. 1153

G. P. TIWARI, J. M. JUNEJA and Y. IJIMA Role of entropy of fusion in phase transformation and self-diffusion, p. 1535

S. J. AHMADI, Y. D. HUANG and W. LI Synthetic routes, properties and future applications of polymer-layered silicate nanocomposites, p. 1919

C. FURETTA, G. KITIS Models in thermoluminescence, p. 2277

D. D. L. CHUNG Electrical applications of carbon materials, p. 2645

D. D. L. CHUNG Use of polymers for cement-based structural materials, p. 2973

WEI YANG, ZHONG-MING LI, WEI SHI, BANG-HU XIE and MING-BO YANG On auxetic materials, p. 3269

S. K. SAMANTARAY, K. PARIDA Effect of anions on the textural and catalytic activity of titania-silica mixed oxide, p. 3549

J. NJUGUNA, K. PIELICHOWSKI Recent developments in polyurethane-based conducting composites, p. 4081

SAN PING JIANG, SIEW HWA CHAN A review of anode materials development in solid oxide fuel cells, p. 4405

A. BALDAN Adhesively-bonded joints in metallic alloys, polymers and composite materials: Mechanical and environmental durability performance, p. 4729

SI-WEI ZHANG, REN-YANG HE Advances in the study on wear of metals by polymers, p. 5625

HAI ZHI YE, XING YANG LIU Review of recent studies in magnesium matrix composites, p. 6153

M. H. BOCANEGRA-BERNAL Hot Isostatic Pressing (HIP) technology and its applications to metals and ceramics, p. 6399

Volume 40 (2005)

J. SINGH, D. E. WOLFE Nano and macro-structured component fabrication by electron beam-physical vapor deposition (EB-PVD), p. 1

Y. KOBAYASHI, T. ISHIZAKA and Y. KUROKAWA Preparation of alumina films by the sol-gel method, p. 263

G. ARMSTRONG, M. BUGGY Hydrogen-bonded supramolecular polymers: A literature review, p. 547

D. B. SIRDESHMUKH, K. G. SUBHADRA Consistency checks on elastic properties of crystals, p. 1553

B. DONKOVA, D. MEHANDJIEV Thermal—magnetic investigation of the decomposition of copper oxalate—a precursor for catalysts, p. 3881