

## Review papers in Journal of Materials Science Volume 41

### Volume 41 (2006)

**ROBERT W. CAHN** A review of reviews, p. 593

**R. D. RAWLINGS, J. P. WU and A. R. BOCCACCINI** Glass-ceramics: Their production from wastes—A Review, p. 733

**Z. A. MUNIR, U. ANSELMI-TAMBURINI and M. OHYANAGI** The effect of electric field and pressure on the synthesis and consolidation of materials: A review of the spark plasma sintering method, p. 763

**K. M. KRISHNAN, A. B. PAKHOMOV, Y. BAO, P. BLOMQVIST, Y. CHUN, M. GONZALES, K. GRIFFIN, X. JI and B. K. ROBERTS** Nanomagnetism and spin electronics: materials, microstructure and novel properties, p. 793

**A. R. BUNSELL and A. PIANT** A review of the development of three generations of small diameter silicon carbide fibres, p. 823

**R. F. COOK** Strength and sharp contact fracture of silicon, p. 841

**D. S. McPHAIL** Applications of Secondary Ion Mass Spectrometry (SIMS) in Materials Science, p. 873

**ANTHONY KELLY** Composite materials after seventy years, p. 905

**N. CHAWLA and K. K. CHAWLA** Microstructure-based modeling of the deformation behavior of particle reinforced metal matrix composites, p. 913

**CHUNSHENG LU, YIU-WING MAI and YAO-GEN SHEN** Recent advances on understanding the origin of superhardness in nanocomposite coatings: A critical review, p. 937

**M. TANAKA and R. J. YOUNG** Review Polarised Raman spectroscopy for the study of molecular orientation distributions in polymers, p. 963

**YU CHEN, MICHAEL HANACK, WERNER J. BLAU, DANILO DINI, YING LIU, YING LIN and JINRUI BAI** Soluble axially substituted phthalocyanines: Synthesis and nonlinear optical response, p. 2169

**A. EKSILIOGLU, N. GENÇAY, M. F. YARDIM and E. EKİNCİ** Mesophase AR pitch derived carbon foam: Effect of temperature, pressure and pressure release time, p. 2743

**A. MUNITZ, A. M. BAMBERGER, S. WANNAPARHUN and R. Abbaschian** Effects of supercooling and cooling rate on the microstructure of Cu-Co-Fe alloys, p. 2749

**N. V. CHANDRA SHEKAR and P. CH. SAHU** Pressure induced structural behaviour in f-electron based AB, AB<sub>2</sub> and AB<sub>3</sub> intermetallics, p. 3207