

Table of Contents

Preface

Effects of Al₂O₃ on Thermal Conductivity of Silicone Rubber Q.H. Mu, D. Peng, F. Wang, F.Z. Zhang and J.H. Li	1
Post Necking Behaviour and Hardening Characterization of Mild Steel M.K. Gupta and N.K. Singh	7
Tensile, Compressive and Flexural Behaviours of an Aluminium Hybrid Composite K. Prakash and N.K. Singh	13
Optimum Composition of Aluminium Hybrid Composites for Maximum Wear Resistance K. Prakash and N.K. Singh	18
Green Tuff: Gamma Index in a Typical Building Material of Ciglio Area (Ischia Island) G. La Verde, A. Raulo, V. D'Avino, V. Roca, R. de Asmundis and M. Pugliese	24
Fabrication of LiFePO₄-Based Composite Cathode Deposited on LLTO Li-Ion Conducting Solid Electrolyte via Slurry Coating and Hot-Pressing J.C. Palomares, M.J. Mora and R.B. Cervera	30
A Study of Parameters that Effect to Width of Chocolate Line Based on Additive Manufacturing and Screw Based Extrusion N. Sanklong and P. Pitayachaval	35
Effects of Synthetic Process on the Properties of Silicone Resin Composed of Polysiloxane Block Copolymer D. Peng, Q.H. Mu, J.H. Li, W. Ju, F. Wang and S. Zhang	41
Amine-Based Carbon Dioxide Capture: Densities of CO₂-Loaded Monoethanolamine Aqueous Solution at 10 to 90 °C S. Ma'mun and A. Dwijayanto	47
An Investigation in Wear and Friction of Oil Seal for Rubbing by Flame-Sprayed Alloy and Ceramic on Lower Carbon Steel C.P. Huang, S.Y. Hu, T.Y. Li and Y. Kang	52
Extending High Value Components Performances with Additive Manufacturing: Application to Naval Applications M. Rauch, G. Pechet, J.Y. Hascoet and G. Ruckert	58