

Table of Contents

Preface

Electrical and Dielectric Properties of Polymer-Metal Hybrid Nanocomposites - A Short Review

S. Nandi, S.S. Kerur and S. Dhanalakshmi 1

Properties Enhancement of Metal Additive Manufactured Part via Cold Deformation Process

A.B. Abdullah, M.F.A. Md-Azlin, M.A. Roslee, A.G. Vasuthaven and Z.K. Wani 15

Comparative Study between Thermo-Mechanical and Inherent Strain Method in Analysing Part Distortion of WAAM Component Using Numerical Simulation

K.P. Prajadhiana, M.F. Mat, Y.H.P. Manurung, M.S. Adenan, T. Taufek, M.A. Ishak, M.A. Mohammed, T.L. Ginta and A. Armansyah 25

Sensitivity of Stainless Steel Fracture to Triaxiality Factor and Lode Parameter Using Dislocation Density Approach

Y. Rassoul, L. Benabou and M. Ould Ouali 35

Optimization of Antibacterial properties of 316 Austenitic Stainless Steel

A.M.H. Wais, A.R. Abid Ali, A.H. Jasim and H.S. Majdi 43

Study the Structure and Properties of TiO₂/HAp Coating onto Ti-6Al-4V Alloy Using Electrophoretic Deposition

A.M.H. Wais, A.R. Abid Ali and H.S. Majdi 53