

Table of Contents

Modelling of the Strain Hardening Behaviour of Die-Cast Magnesium-Aluminium-Rare Earth Alloy H.Q. Ang	1
Reusability of the Deep Eutectic Solvent - Novozym 435[®] Enzymes System in Transesterification from Degumming Palm Oil R. Manurung and A.G.A. Siregar	9
Explosive Boiling of Water on a Hot Copper Plate: A Molecular Dynamics Simulation Study M.R. Bin Shahadat and A.K.M.M. Morshed	18
Evolutionary Insights into the State-of-the-Art Passive Thermal Control Systems for Thermodynamic Stability of Smallsats P. Walimbe and S. Padekar	29
Numerical Analysis of Streamlines in Kaplan Turbine with Different Distributor Fins Design D. Twardowski and D.A. de Miranda	46
Seismic Performance of Eccentrically Braced Frames with Shear Link S. Ansari, J. Tashakori and J. Razzaghi	55
Experiment Study of Performance, Combustion Process, and NO_x Emission of Diesel Engine with Air-Cooled Angle Globe Valve EGR A.Z.M. Fathallah and A.D. Putra	69
A Comprehensive Analysis and Review on Electrical Machines in Wind Energy Conversion Systems D.P. Aguemon, R.G. Agbokpanzo, F. Dubas, A. Vianou, D. Chamagne and C. Espanet	77
Optimal Integration of Distributed Generation in a Radial Distribution System Using BW/FW Sweep and PSO Algorithm O. Bouketir, H. Sebaa and T. Bouktir	94
Loss Circulation Prevention during Drilling Operation - Risk Analysis Approach and its Implications E.E. Okoro, I.S. Okafor, K.C. Igwilo, K.B. Orodu and A. Dosunmu	102
Efficient Heuristics for Total Completion Time and Maximum Lateness Bicriteria Scheduling Problems S. Akande	110