

Table of Contents

Prediction of Fracture Parameters of Concrete by Relevance Vector Machine P. Samui	1
Modeling of Concrete Composite Induced by Multi-Walled Carbon Nanotubes Using Response Surface Methodology R.S. Rimal Isaac, S. Subin, P. Prakash and P.K. Praseetha	8
Study on Behaviour of Coconut Shell Aggregate Concrete with Bamboo Reinforcement in Compression Member S. Amutha, D. Arul Prakash, M. Lakshmipathy and G.S. Kumaran	14
Study on the Stability of the Bearing Capacity of Wedge Connected Scaffold S.H. Zhou, G. Dong and Z.J. Li	24
Drag Reduction Technology of Jet - A Review Y. Gu, T.X. Fan, J.G. Mou, D.H. Wu, S.H. Zheng and L.F. Jiang	30
Analytical Approaches to Vibration Analysis of Thick Plates Subjected to Different Supports, Loadings and Boundary Conditions - A Literature Survey F.E. Ahad and D.Y. Shi	43
Effect of the Residual Stresses at the Stem–Cement Interface on the Mechanical Behaviour of Cemented Hip Femoral Prosthesis M.M. Bouziane, A. Moulgada, N. Djebbara, A. Sahli, B.A. Bachir Bouiadjra and S. Benbarek	54
Dimensional and Geometrical Form Accuracy of Circular Pockets Manufactured for Aluminum, Copper and Steel Materials on CNC Milling Machine Using CMM S.H.R. Ali and O.M. Mohamd	64
Analysis of Design Features for Inspection Robot Make Use of Concrete Structures - An Assessment S. Nallusamy, N.M. Prabu, J. Jayaprakash and K. Rajan	74
Impact of Different Load Profile Patterns on Intermittent Renewable Energy Systems for an Off Grid Power System E. Osaghae, C.A. Ikonwa and E. Ibadode	82
Improving Results Aggregation Strategies in Distributed Information Retrieval B. Ghansah, S.L. Wu and N.E. Ghansah	94