

Table of Contents

Investigation of Environmental Conditions Using Artificial Polluted Conditions for Selection of Insulator Material S. Nallusamy, M. Saravanakumar and B. Sathis Kumar	1
Velocity Connection Algorithm of Arbitrary Multi-Axis Linkage F.L. Wang, F.M. Zhang, L. Ge and H. Ma	12
Experimental Investigation and Study the Effect of Hydro Fluoric Acid in Ultrasonic Machining of Polycarbonate Bullet Proof UL-752 and Acrylic Heat Resistant BS-476 Glass K.J. Singh, I. Singh Ahuja and J. Kapoor	24
Dissimilar and Similar Laser Beam and GTA Welding of Nuclear Fuel Pin Cladding Tube to End Plug Joint A. Murugan, R. Sai Santhosh, R. Raju, A.K. Lakshminarayanan and S.K. Albert	40
Influence of Aging on the Physical Properties and Chemical Compositions of Asphalt Binder with Soft Clay Particles A.M. Al Allam, M.I. bin Masirin and A.S.B. Ali	48
Fatigue Evaluation of Hot Mix Asphalt (HMA) Mixtures Modified by Optimum Percent of TiO₂ Nanoparticles J. Tanzadeh, R. Tanzadeh, H. Nazari and N. Kamvar	55
Numerical Simulation of Heat Exchanges for a Desert House Type ADRAR A. Oudrane and B. Aour	63
A Review of Vertical Farming Technology: A Guide for Implementation of Building Integrated Agriculture in Cities F. Kalantari, O. Mohd Tahir, A. Mahmoudi Lahijani and S. Kalantari	76