

Table of Contents

Influence of Nickel Powder Particle Size on the Microstructure and Densification of Spark Plasma Sintered Nickel-Based Superalloy O. Ogunbiyi, T. Jamiru, R. Sadiku, O. Adesina, O.S. Adesina and E. Olorundaisi	1
Effect of Al on Corrosion Behavior in 3.5%NaCl Solution of Al_xCoCrFeNi High Entropy Alloys V. Geantă, I. Voiculescu, M.C. Cotrut, M.D. Vrânceanu, I.M. Vasile and J.C. Mirza Rosca	20
Development and Testing of a Roller Type Shelling Device (RTSD) <i>Moringa oleifera</i> Seed Shelling Machine T.A. Ishola, E.O. Ariyo and E.A. Alhassan	31
Design and Research of Double-Layered Cemented Carbide Novel High-Pressure Die S.H. Li, J.L. Li, J.Z. Ge and X. Gao	42
A Failure Analysis Method Based on the Combination of FTA and GGRA: A Case Study on an Engine J.L. Shi, H.Z. Wang, J.Y. Hu, Y.D. Ma, M.Y. Ma and H.W. Qu	53
Experimental Assessment of Strength Parameters of River Sand for Sandcrete Block Production B. Ogunbayo, C. Aigbavboa and O. Akinradewo	67
Numerical Verification of Strut and Tie Models and Failure Modes of Reinforced Self-Compacting Concrete Deep Beams M.A. Akinpelu, B.A. Ibitoye, S.O. Odeyemi and K.O. Olorede	76
Microstructure Stability and Thermal Resistance of Ash-Based Geopolymer with Sodium Silicate Solution at High Temperature H.T. Nguyen	101
Prediction of Road Infrastructure Priorities in Banten Province Using Analytical Hierarchy Process Method H.L.H.S. Warnars, E. Kusnadi and L.L.H.S. Warnars	112
A Modified Corner Detector for SAR Images Registration A.S. Eltanany, A.S. Amein and M.S. Elwan	123
Assessment of Economic Viability of Wind Power Plant in Bonny Island of Rivers State of Southern Nigeria for Cleaner Electricity Generation R. Uhunmwangho, C. Emu and K.E. Okedu	157
Assessment of Solar Energy Potential of East Gojjam Zone Ethiopia Using Angstrom-Prescott Model E. Hailu, A.O. Salau and A.J. Godebo	171
Production of Biodiesel from Desert Date Seed Oil Using Heterogeneous Catalysts S.O. Giwa, M.B. Haggai and A. Giwa	180
Production of 5-Hydroxymethylfurfural Derived Cassava Peels Using Deep Eutectic Solvent Based Choline Chloride R. Manurung, O. Winda, H. Silalahi and A.G.A. Siregar	190
Removal of Hg (II) Ions from Industrial Wastewaters Using Aluminum Sulfate M. Toufik	200