

Contents

Determination of the Factors Levels Affecting Performance, NO and Soot Emissions in a Diesel Engine Operating Biodiesel with Taguchi Method (Research Paper)	229 – 237
On the Energy Absorption Capability of Metallic Tubes Subjected to the Radial Wall Crushing Process (Research Paper)	238 - 242
ECU Oriented Simplified Diesel Engine Model (Research Paper)	243 - 247
Investigation of the Effects of Shear Wall Type and Shear Wall Member on Performance in Plane Steel Frame with Monotonic Loading (Research Paper)	248 – 256
A Methodology for Explicit Representation of the Stochastic Demand due to Electric Vehicles in Generation Expansion Planning Problems (Research Paper)	257 – 263
Electrical and Thermal Performance Analysis of a Linear Fresnel Reflector-Photovoltaic/Thermal System (Research Paper)	264 – 273
Immobilization and Characterization of Trypsin on TiO₂ Nanoparticles Activated with Crosslinkers (Research Paper)	274 – 283
Microstructural Evaluation and Influence of Welding Parameters on Electrode Plunge Depth in Resistance Spot Welded Dissimilar DP800HF/1200M Steel Joints (Research Paper)	284 – 291
Nickel (Ni+2) Adsorption on Borax Production Waste from Industrial Wastewater (Research Paper)	292 – 295
Investigation of Nuclear Structures of Ne Isotopes by Nuclear Shell Model (Research Paper)	296 – 301
Improving of Lightweight Concrete Properties Produced with Pumice Aggregate of Nevşehir Region with Fly Ash Substitution (Research Paper)	302 – 308
The Effect of Aerophine 3418A Collector Dosage on Niğde (Ulukışla-Madenköy) Complex Pb-Zn Sulphide Ore Flotation (Research Paper)	309 - 313
Control of Lorenz Chaotic System with Linear Feedback, High Gain, High Frequency and Model Predictive Control (Research Paper)	314 - 323
The Effect of Mechanical Activation and Roasting Temperature on the Reduction of Zinc Concentrates (Research Paper)	324 - 331

APJES

Journal of Engineering and Science

Contents

Developing Turbulent Flow in Pipes and Analysis of Entrance Region (Research Paper)	332 – 353
A Mechanical Analysis of Biceps Brachii with Hill Type Muscle Model: a Simulation of Forearm Curl (Research Paper)	354 – 359
Replaceable Acoustic Design in Multi-Purpose Halls: Cinema Anadolu Multi-Purpose Hall Example (Research Paper)	360 - 370
Trend Analysis of Precipitation Data: Case Study of Kizlirmak Basin (Research Paper)	371 - 377
Scheduling Optimization in Automotive Supplier Industry under Sequence Dependent Constraints (Research Paper)	378 - 387

İçindekiler

Biyodizel Karışımıları ile Çalışan Bir Dizel Motorunda Performans, NO ve İş Emisyonlarını Etkileyen Faktör Seviyelerinin Taguchi Yöntemi ile Belirlenmesi (Araştırma Makalesi)	229 – 237
On the Energy Absorption Capability of Metallic Tubes Subjected to the Radial Wall Crushing Process (Araştırma Makalesi)	238 - 242
ECU Oriented Simplified Diesel Engine Model (Araştırma Makalesi)	243 - 247
Düzlem Çelik Çerçevede Perde Tipinin ve Perde Elemanın Performansa Olan Etkilerinin Monotonik Yüklemeyle İncelenmesi (Araştırma Makalesi)	248 – 256
A Methodology for Explicit Representation of the Stochastic Demand due to Electric Vehicles in Generation Expansion Planning Problems (Araştırma Makalesi)	257 – 263
Electrical and Thermal Performance Analysis of a Linear Fresnel Reflector-Photovoltaic/Thermal System (Araştırma Makalesi)	264 – 273
Immobilization and Characterization of Trypsin on TiO₂ Nanoparticles Activated with Crosslinkers (Araştırma Makalesi)	274 – 283
Microstructural Evaluation and Influence of Welding Parameters on Electrode Plunge Depth in Resistance Spot Welded Dissimilar DP800HF/1200M Steel Joints (Araştırma Makalesi)	284 – 291
Nickel (Ni+2) Adsorption on Borax Production Waste from Industrial Wastewater (Araştırma Makalesi)	292 – 295
Nükleer Kabuk Modeli ile Ne İzotoplarının Nükleer Yapısının İncelenmesi (Araştırma Makalesi)	296 – 301
Improving of Lightweight Concrete Properties Produced with Pumice Aggregate of Nevşehir Region with Fly Ash Substitution (Araştırma Makalesi)	302 – 308
The Effect of Aerophine 3418A Collector Dosage on Niğde (Ulukışla-Madenköy) Complex Pb-Zn Sulphide Ore Flotation (Research Paper)	309 - 313
Lorenz Kaotik Sisteminin Doğrusal Geri Beslemeli, Yüksek Kazanç, Yüksek Frekans ve Model Öngörülü Kontrol ile Denetlenmesi (Araştırma Makalesi)	314 - 323
Mekanik Aktivasyon Yapılmış Çinko Konsantrelerinde Kavurma Sıcaklığının Redüksiyonuna Etkisinin Termal Analiz Yöntemleri ile İncelenmesi (Araştırma Makalesi)	324 - 331

İçindekiler

Developing Turbulent Flow in Pipes and Analysis of Entrance Region (Araştırma Makalesi)	332 – 353
Hill Tipi Kas Modeli ile Pazu Kasının Mekanik Analizi: Ön Kol Bükmeye Hareketinin Benzetimi (Araştırma Makalesi)	354 – 359
Çok Amaçlı Salonlarda Değiştirilebilir Akustik Tasarım: Sinema Anadolu Çok Amaçlı Salonu Örneği (Araştırma Makalesi)	360 - 370
Yağış Verilerinin Trend Analizi: Kızılırmak Havzası Örneği (Araştırma Makalesi)	371 - 377
Scheduling Optimization in Automotive Supplier Industry under Sequence Dependent Constraints (Research Paper)	378 - 387