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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 3277

Eğitim Bilgileri

Doktora, Arizona State University, Ira A. Fulton Schools of Engineering, Industrial Engineering, Amerika Birleşik Devletleri 1992 - 1996

Yüksek Lisans, Western Michigan University, College of Engineering and Applied Sciences, Industrial Engineering, Amerika Birleşik Devletleri 1990 - 1992

Lisans, İstanbul Teknik Üniversitesi, İşletme, Endüstri Mühendisliği, Türkiye 1985 - 1989

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Transient and Steady-State Models of Quality Deterioration in Serial Production Lines, Arizona State University, Ira A. Fulton Schools of Engineering, Industrial & Management Systems Engineering, 1996

Yüksek Lisans, An Integrated Simulation Model Development Environment for SLAM II Using Object-Oriented Paradigm, Western Michigan University, College of Engineering and Applied Sciences, Industrial Engineering, 1992

Araştırma Alanları

Endüstri Mühendisliği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 2008 - Devam Ediyor

Doç. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 2000 - 2008

Yrd. Doç. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 1996 - 2000

AKADEMİK İDARI DENEYİM

Bölüm Başkanı, Çukurova Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 1996 - 2017

Verdiği Dersler

Lisans

Endüstri Mühendisliğine Giriş, Lisans, 2024 - 2025

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Solving Dynamic Full-Truckload Vehicle Routing Problem Using an Agent-Based Approach**
Çabuk S., EROL R.
Mathematics, cilt.12, sa.13, 2024 (SCI-Expanded)
- II. **A mathematical programming model for facility location optimization of hydrogen production from renewable energy sources**
DERSE O., Gocmen E., YILMAZ E., EROL R.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.44, sa.3, ss.6648-6659, 2022 (SCI-Expanded)
- III. **Coordination of production planning and distribution in closed-loop supply chains**
KUVVETLİ Y., EROL R.
NEURAL COMPUTING & APPLICATIONS, cilt.32, sa.17, ss.13605-13623, 2020 (SCI-Expanded)
- IV. **Transportation problems for intermodal networks: Mathematical models, exact and heuristic algorithms, and machine learning**
GÖÇMEN E., EROL R.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.135, ss.374-387, 2019 (SCI-Expanded)
- V. **Modeling and Analysis of Multiple-Supplier Selection Problem with Price Discounts and Routing Decisions**
CABUK S., EROL R.
APPLIED SCIENCES-BASEL, cilt.9, sa.17, 2019 (SCI-Expanded)
- VI. **A Novel Hybrid Artificial Intelligence Based Methodology for the Inventory Routing Problem**
BORU A., DOSDOGRU A. T., GOCKEN M., EROL R.
SYMMETRY-BASEL, cilt.11, sa.5, 2019 (SCI-Expanded)
- VII. **The Problem of Sustainable Intermodal Transportation: A Case Study of an International Logistics Company, Turkey**
GÖÇMEN E., EROL R.
SUSTAINABILITY, cilt.10, sa.11, 2018 (SCI-Expanded)
- VIII. **Prediction of Attendance Demand in European Football Games: Comparison of ANFIS, Fuzzy Logic, and ANN**
ŞAHİN M., EROL R.
COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE, 2018 (SCI-Expanded)
- IX. **A multi-agent based approach to dynamic scheduling with flexible processing capabilities**
ŞAHİN C., Demirtas M., EROL R., Baykasoglu A., Kaplanoglu V.
JOURNAL OF INTELLIGENT MANUFACTURING, cilt.28, sa.8, ss.1827-1845, 2017 (SCI-Expanded)
- X. **A New Dynamic Pricing Model for the Effective Sustainability of Perishable Product Life Cycle**
Tekin P., EROL R.
SUSTAINABILITY, cilt.9, sa.8, 2017 (SCI-Expanded)
- XI. **PSO based approach for scheduling NPD projects including overlapping process**
Koyuncu E., EROL R.
COMPUTERS & INDUSTRIAL ENGINEERING, cilt.85, ss.316-327, 2015 (SCI-Expanded)
- XII. **A mathematical programming model for reconfiguration of flexible manufacturing cells**

- YILMAZ E., EROL R.
ENGINEERING OPTIMIZATION, cilt.47, sa.2, ss.184-203, 2015 (SCI-Expanded)
- XIII. **Comparison of the neural network model and linear regression model for predicting the intermingled yarn breaking strength and elongation**
ÖZKAN İ., KUVVETLİ Y., Baykal P. D., EROL R.
JOURNAL OF THE TEXTILE INSTITUTE, cilt.105, sa.11, ss.1203-1211, 2014 (SCI-Expanded)
- XIV. **A multi-agent based approach to dynamic scheduling of machines and automated guided vehicles in manufacturing systems**
EROL R., ŞAHİN C., Baykasoglu A., Kaplanoglu V.
APPLIED SOFT COMPUTING, cilt.12, sa.6, ss.1720-1732, 2012 (SCI-Expanded)
- XV. **A MULTI-AGENT FRAMEWORK FOR LOAD CONSOLIDATION IN LOGISTICS**
Baykasoglu A., Kaplanoglu V., EROL R., ŞAHİN C.
TRANSPORT, cilt.26, sa.3, ss.320-328, 2011 (SCI-Expanded)
- XVI. **An Optimization Model for Locating and Sizing Emergency Medical Service Stations**
COSKUN N., EROL R.
JOURNAL OF MEDICAL SYSTEMS, cilt.34, sa.1, ss.43-49, 2010 (SCI-Expanded)
- XVII. **Optimal Resource Allocation Model to Mitigate the Impact of Pandemic Influenza: A Case Study for Turkey**
KOYUNCU M., EROL R.
JOURNAL OF MEDICAL SYSTEMS, cilt.34, sa.1, ss.61-70, 2010 (SCI-Expanded)
- XVIII. **New lot sizing heuristics for demand and price uncertainties with service-level constraint**
ŞENYİĞİT E., EROL R.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, cilt.48, sa.1, ss.21-44, 2010 (SCI-Expanded)
- XIX. **Fuzzy programming for optimal product mix decisions based on expanded ABC approach**
KARAKAS E., KOYUNCU M., EROL R., KOKANGÜL A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, cilt.48, sa.3, ss.729-744, 2010 (SCI-Expanded)
- XX. **Neural Network-Based Computer-Aided Diagnosis in Classification of Primary Generalized Epilepsy by EEG Signals**
Ogulata S. N., ŞAHİN C., EROL R.
JOURNAL OF MEDICAL SYSTEMS, cilt.33, sa.2, ss.107-112, 2009 (SCI-Expanded)
- XXI. **Multiple Response Optimisation of the Staple-Yarn Production Process for Hairiness, Strength and Cost**
EROL R., Sagbas A.
FIBRES & TEXTILES IN EASTERN EUROPE, cilt.17, sa.5, ss.40-42, 2009 (SCI-Expanded)
- XXII. **A radial basis function neural network model for classification of epilepsy using EEG signals**
ASLAN K., BOZDEMİR H., ŞAHİN C., Ogulata S. N., EROL R.
JOURNAL OF MEDICAL SYSTEMS, cilt.32, sa.5, ss.403-408, 2008 (SCI-Expanded)
- XXIII. **A neural network-based classification model for partial epilepsy by EEG signals**
ŞAHİN C., Ogulata S. N., ASLAN K., BOZDEMİR H., EROL R.
INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE, cilt.22, sa.5, ss.973-985, 2008 (SCI-Expanded)
- XXIV. **A Radial Basis Function Neural Network (RBFNN) approach for structural classification of thyroid diseases**
EROL R., Ogulata S. N., ŞAHİN C., ALPARSLAN Z. N.
JOURNAL OF MEDICAL SYSTEMS, cilt.32, sa.3, ss.215-220, 2008 (SCI-Expanded)
- XXV. **Prediction of strength and elongation properties of cotton/polyester-blended OE rotor yarns**
Baykal P., Babaarslan O., Erol R.
FIBRES & TEXTILES IN EASTERN EUROPE, cilt.14, sa.1, ss.18-21, 2006 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Esnek Üretim Sistemlerinin Dinamik Çizelgelenmesi için Çoklu Etmen Yaklaşımı ve Yönlendirme Kurallarının Karşılaştırılması**
Şahin C., Erol R.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, cilt.38, sa.1, ss.61-71, 2023 (Hakemli Dergi)
- II. **Capacity Optimization in Dynamically Routing Computer Network Systems**
Uncu N., EROL R.
TEHNICKI GLASNIK-TECHNICAL JOURNAL, cilt.16, sa.1, ss.23-32, 2022 (ESCI)
- III. **Kapalı Döngü Üretim Rotalama Problemi için Bir Karar Destek Sistemi Önerisi**
KUVVETLİ Y., EROL R.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.35, sa.2, ss.333-344, 2020 (Hakemli Dergi)
- IV. **THE TRANSITION TO INDUSTRY 4.0 IN ONE OF THE TURKISH LOGISTICS COMPANY**
GÖÇMEN E., EROL R.
INTERNATIONAL JOURNAL OF 3D PRINTING TECHNOLOGIES AND DIGITAL INDUSTRY, cilt.2, sa.1, ss.76-85, 2018 (Hakemli Dergi)
- V. **Location and Multi-Compartment Capacitated Vehicle Routing Problem for Blood Banking System**
GÖÇMEN E., EROL R.
INTERNATIONAL JOURNAL of ENGINEERING TECHNOLOGIES-IJET, cilt.4, sa.1, ss.1-12, 2018 (Hakemli Dergi)
- VI. **A Comparative Study of Neural Networks and ANFIS for Forecasting Attendance Rate of Soccer Games**
ŞAHİN M., EROL R.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, cilt.22, sa.4, 2017 (ESCI)
- VII. **A Dynamic Ticket Pricing Approach for Soccer Games**
ŞAHİN M., EROL R.
AXIOMS, cilt.6, sa.4, 2017 (ESCI)
- VIII. **Scheduling of Anesthesia Assistants in Hospitals**
KIRLI AKIN H., EROL R.
Journal of Current Researches on Health Sector, cilt.7, sa.1, ss.9-22, 2017 (Hakemli Dergi)
- IX. **Ağaç Ürünleri Üreten Bir İşletmede Malzeme Taşıma Sisteminin Simülasyon Yaklaşımıyla İyileştirilmesi**
KUVVETLİ Y., EROL R.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.32, sa.1, ss.215-222, 2017 (Hakemli Dergi)
- X. **A Mathematical Modeling Approach for Materials Requirements Planning in Remanufacturing**
EROL R., NAKİBOĞLU B. G.
Business and Economics Research Journal (BERJ), cilt.8, sa.1, ss.101-114, 2017 (Hakemli Dergi)
- XI. **The Internal and External Customer Focused Process Improvement and the Performance Analysis Studies in Healthcare Systems**
Tekin P., EROL R.
JOURNAL OF INDUSTRIAL ENGINEERING AND MANAGEMENT-JIEM, cilt.10, sa.3, ss.407-430, 2017 (ESCI)
- XII. **Risk Analizi Bir Otomotiv Fabrikasında Gerçekleştirilen X Tipi Karar Matrisi Uygulaması**
TEKİN P., EROL R.
KSÜ Mühendislik Bilimleri Dergisi, cilt.19, sa.3, ss.91-98, 2016 (Hakemli Dergi)
- XIII. **A Multi Agent Based Approach to Dynamic Scheduling of Machines and Automated Guided Vehicles AGV in Manufacturing Systems by Considering AGV Breakdowns**
KAPLANOĞLU V., ŞAHİN C., BAYKASOĞLU A., EROL R., EKİNCİ A., DEMİRTAŞ M.
International Journal of Engineering Research and Innovation, cilt.7, sa.2, ss.32-38, 2015 (Hakemli Dergi)
- XIV. **A Multi-Agent Based Approach to Dynamic Scheduling of Machines and Automated Guided Vehicles (AGV) in Manufacturing Systems by Considering AGV Breakdowns**
KAPLANOĞLU V., ŞAHİN C., BAYKASOĞLU A., EROL R., EKİNCİ A., DEMİRTAŞ M.
International Journal of Engineering Research & Innovation, sa.7, ss.32-38, 2015 (Hakemli Dergi)

- XV. **KARMA MODELLİ MONTAJ HATTI Dengeleme ve İşgücü Atama Problemi için Yeni Bir Yaklaşım**
KUVVETLİ Y., EROL R.
Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, cilt.28, sa.3, ss.47-57, 2012 (Hakemli Dergi)
- XVI. **Seçilmiş Pamuk/Poliester Karışımı Rotor İpliklerinde İplik Hatalarının Tahmin Edilmesi**
DURU BAYKAL P., BABAARSLAN O., EROL R.
Tekstil & Teknik Dergisi, cilt.45, sa.246, ss.262-268, 2005 (Hakemli Dergi)
- XVII. **Montaj Hatlarının Değişen Koşullar Altında Yeniden Dengelenmesi**
YILMAZ E., EROL R.
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, cilt.20, sa.1, ss.213-227, 2005 (Hakemli Dergi)
- XVIII. **Seçilmiş Pamuk/Poliester Karışımı Rotor İpliklerinde Düzgünlüğün (%U) Tahmin Edilmesi**
DURU BAYKAL P., BABAARSLAN O., EROL R.
Tekstil & Teknik Dergisi, cilt.43, sa.244, ss.194-206, 2005 (Hakemli Dergi)

Desteklenen Projeler

EROL R., GÖÇMEN E., KUVVETLİ Y., Yükseköğretim Kurumları Destekli Proje, Kan Toplama ve Yönetiminde Envanter Rotalama Problemi: Bölgesel Bir Kan Bankasında Uygulama, 2015 - 2016

Metrikler

Yayın: 80

Atıf (WoS): 320

Atıf (Scopus): 444

H-İndeks (WoS): 11

H-İndeks (Scopus): 12