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Education Information

Doctorate, Auburn University, Endüstri Ve Sistem Mühendisliği Bölümü, Endüstri Mühendisliği, United States Of America 1999 - 2002

Masters (Non-Thesis), The University of Pittsburgh, Mühendislik Fakültesi, Endüstri Mühendisliği, United States Of America 1997 - 1999

Postgraduate, West Virginia University, Mühendislik Ve Maden Kaynakları Fakültesi, Endüstri Mühendisliği, United States Of America 1995 - 1998

Undergraduate, Anadolu University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, Turkey 1986 - 1990

Research Areas

Industrial Engineering , Stochastic Modeling, Optimization Theory and Methods, Heuristic Methods, Ergonomics and Occupational Safety, Quality and Reliability, Quality Control, Engineering and Technology

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **An Integrated Prediction and Optimization Model of a Thermal Energy Production System in a Factory Producing Furniture Components**
Akbas H., ÖZDEMİR G.
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- II. **A hierarchical soft computing model for parameter estimation of curve fitting problems**
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- IV. **Breeder hybrid algorithm approach for natural gas demand forecasting model**
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- V. **Cooperative grey games and an application on economic order quantity model**
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- VI. **Forecasting of Turkey natural gas demand using a hybrid algorithm**
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- VIII. **Forecasting of Turkey's natural gas demand using artificial neural networks and support vector machines**
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- IX. **CONTROL CHART PATTERN RECOGNITION USING STATISTICAL-FEATURE BASED BAYES CLASSIFIER**
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- X. **A HOME FINANCING MODEL BASED ON PARTNERSHIP WITH PIECEWISE GEOMETRIC GRADIENT SERIES REPAYMENTS**
EROĞLU A., ÖZDEMİR G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.1, pp.37-40, 2012 (Journal Indexed in SCI)
- XI. **The simulation-based performance measurement in an evaluation module for Faborg-Sim simulation software**
KORUCA H. İ. , ÖZDEMİR G., AYDEMİR E., CAYIRLI M.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.12, pp.8211-8220, 2010 (Journal Indexed in SCI)
- XII. **An economic order quantity model with defective items and shortages**
Eroglu A., Ozdemir G.
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- II. **GRİ STOK MODELİNİN İŞBİRLİKÇİ OYUN TEORİSİ İLE MALİYET DAĞITIMLARININ İNCELENMESİ**
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- III. **Gri stok modelinin işbirlikçi oyun teorisi ile maliyet dağıtımlarının İncelenmesi**
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- IV. **İşbirlikçi Stok Oyunları**
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Journal of Engineering Science and Design, vol.3, no.1, pp.71-75, 2015 (Other Refereed National Journals)
- V. **Yeşil Ergonomiye Genel Bakış**
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- VI. **An EPQ model with imperfect items using interval grey numbers**
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- VII. **Gri Sistem Teorisi ve Uygulamaları: Bilimsel Yazın Taraması**
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- VIII. **The Grey System Approaches for Demand Forecasting**
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- IX. **Önem Memnuniyet Analizi ve Taguchi Metodu İle Eğitimde İyileştirme Önceliklerinin Belirlenmesi Bir Uygulama Örneği**
OLGUN M. O., ÖZDEMİR G.
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- X. **Determination Of Improvement Priorities In Education With Importance Satisfaction Analysis And Taguchi Method A Case Study**
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- XI. **Generalized Formulae For Islamic Home Financing Through The Musharakah Mutanaqisah Contracts**
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Books & Book Chapters

- I. **Isparta Yerel Ekonomik Kalkınma Vizyonu 2018 Isparta İli Metal-Makine Sektörü Analizi**
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Refereed Congress / Symposium Publications in Proceedings

- I. **A Multiobjective Optimization Model of Activated Sludge Process**
AKBAŞ H., ÖZDEMİR G.
International Conference on Natural and Applied Science and ENGINEERING, 23 - 27 October 2019
- II. **Energy Policy Modeling: A Literature Review**
AKBAŞ H., ÖZDEMİR G.
Innovation and Global Issues Congress IV, 22 - 24 November 2018
- III. **Mobilya Parçaları Fabrikasındaki Isı Enerjisi Üretim Sisteminin Eniyilenmesi**
AKBAŞ H., ÖZDEMİR G.
2. Uluslararası Akdeniz Bilim ve Mühendislik Kongresi, Adana, Turkey, 25 - 27 October 2017
- IV. **Prediction of Heat Energy Production at a Furniture Components Factory: A Data-Mining Approach**
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OLGUN M. O., ÖZDEMİR G.
8th International Symposium on Econometrics, Operations Research and Statistics, 5 - 07 October 2017
- VI. **Gri Stok Modelinin İşbirlikçi Oyun Teorisi ile Maliyet Dağıtımlarının İncelenmesi**

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18th International Symposium on Econometrics, Operations Research and Statistics, 5 - 07 October 2017

VII. Cooperative Grey Inventory Games

OLGUN M. O. , ÖZDEMİR G., ALPARSLAN GÖK S. Z. , TEKİN H. O.

European Meeting on Game Theory, 6 - 08 July 2015

VIII. A New Loan Payment Model under Considering on Rhythmic Skips and Variable Installments

EROĞLU A., ÖZDEMİR G.

ALL IN ONE CONFERENCES, 24 - 28 March 2015

IX. Stratejik Planlamanın İşletmelerin Karar Verme Düzeylerinde Kullanımı

ÖZDEMİR G., TEKİN İ.

ALL IN ONE CONFERENCES, 24 - 28 March 2015

X. A New Loan Payment Model Under Consediring on Rhythmic Skips And Variable Installments

EROĞLU A., ÖZDEMİR G.

ALL IN ONE CONFERENCES, 24 March 2016 - 28 March 2015

XI. Staff planning and scheduling in accordance with flexible working hours in the scope of work-life balance and development of prototype software

KORUCA H. İ. , CAYIRLI M., ÖZDEMİR G., BURHAN M. E.

Joint International Symposium on "The Social Impacts of Developments in Information, Manufacturing and Service Systems" 44th International Conference on Computers and Industrial Engineering, CIE 2014 and 9th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2014, İstanbul, Turkey, 14 - 16 October 2014, pp.623-631

XII. The Grey System Approaches for Demand Forecasting

AYDEMİR E., BEDİR F., ÖZDEMİR G.

TMT 2013 17th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology, 10 - 11 September 2013, vol.241

XIII. Rassal Kusurlu Üretim Şartlarında Gri Sistem Teorisi Yaklaşımıyla Ekonomik Üretim Miktarı Modeli Geliştirilmesi

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Yöneylem Araştırması ve Endüstri Mühendisliği 32. Ulusal Kongresi, İstanbul, Turkey, 20 - 22 June 2012, pp.227-228

XIV. Bulanık Süreç Yeterlilik Analizi ve Bir Uygulama

KIRAÇ Ö., ÖZDEMİR G., OLGUN M. O. , AYDEMİR E.

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XV. Forecasting of Natural Gas Demand Of Turkey by Using Support Vector Machines

OLGUN M. O. , ÖZDEMİR G., AYDEMİR E.

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XVI. Improvement of Process and Staff Utilization in a Maintenance Service by Using Simulation

KORUCA H. İ. , ÖZDEMİR G., AYDEMİR E., TURAN T.

The 14th ASIM Dedicated Conference on Simulation in Production and Logistics Integration aspects of simulation: Equipment, Organization and Personnel Karlsruhe Institute of Technology, Karlsruhe, Germany, 5 - 07 October 2010

XVII. Tamsayılı Programlama ve Sezgisel Yöntemler için Yazılım Geliştirilmesi

ÖZDEMİR G., AYDEMİR E., MULBAY Z.

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XVIII. Türkiye Doğalgaz Tüketim Düzeyinin Melez Sezgisel Algoritmalar İle Tahmini

ÖZDEMİR G., AYDEMİR E., OLGUN M. O.

Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi, İstanbul, Turkey, 30 June - 02 July 2010, pp.440

XIX. Bulanık İstatistiksel Kalite Kontrolü ve Otomotiv Sektöründe Bir Uygulama

ÖZDEMİR G., AYDEMİR E., OLGUN M. O.

Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi, İstanbul, Turkey, 30 June - 02 July 2010, pp.423

- XX. **Development of Software for Flexible Workflow Based Process and Simulation Based Parallel Workplace Scheduling in Faborg Sim**
KORUCA H. İ. , ÖZDEMİR G., AYDEMİR E., CAYIRLI M.
IMS 2008 Proceedings of 6th International Symposium on Intelligent Manufacturing Systems, Sakarya, Turkey, 14 - 17 October 2008, pp.730-739
- XXI. **The Simulation Based Performance Measurement in An Evaluation Module for Faborg Sim Simulation Software**
KORUCA H. İ. , ÖZDEMİR G., AYDEMİR E., CAYIRLI M.
Proceedings of 6th International Symposium on Intelligent Manufacturing Systems, IMS 2008, Sakarya, Turkey, 14 - 17 October 2008, pp.740-756
- XXII. **Faborg-Sim Esnek İş Akış Planı Editörü Geliştirme ve İşlemlerin Gantt Şemasında Cizelgelenmesi**
KORUCA H. İ. , ÖZDEMİR G., ÇAYIRLI M., AYDEMİR E.
7. Ulusal Üretim Araştırmaları Sempozyumu, Ankara, Turkey, 15 - 17 November 2007, pp.74
- XXIII. **Tekstil Endüstrisinde Yenilenebilir Enerji Kaynakları Kullanım Potansiyelleri**
ÜÇGÜL İ., ÖZDEMİR G., GÜNEY F.
VI. Ulusal Temiz Enerji Sempozyumu UTES, Isparta, Turkey, 25 - 27 May 2006, pp.392-400
- XXIV. **A Simulation Based Research of Alternative Organizational Structures in Sewing Unit of A Textile Factory**
KORUCA H. İ. , KOYUNCUOĞLU YILMAZ C., SİLAHŞÖR G., ÖZDEMİR G.
IFIP-International Federation for Information Processing, 6th International Conference on Information Technology for BALANCED AUTOMATION SYSTEMS in Manufacturing and Services, Emerging Solutions for Future Manufacturing Systems, VIYANA, Austria, 27 - 29 September 2004, pp.395-402
- XXV. **A Review Of Simulation Tools For Organization And Production Systems**
KORUCA H. İ. , ÖZDEMİR G., AYDEMİR E.
IMS'2006 - 5th International Symposium On Intelligent Manufacturing Systems "Agents And Virtual Worlds, Sakarya, Turkey, 29 - 31 May 2006
- XXVI. **A simulation based research of alternative organizational structures in sewing unit of a textile factory**
Koruca H. İ. , KOYUNCUOĞLU C., SİLAHSOR G., Ozdemir G.
6th IFIP International Conference on Information Technology for Balanced Automation Systems in Manufacturing and Services, Vienna, Austria, 27 - 29 September 2004, vol.159, pp.397-404
- XXVII. **Kriz Ortamında Üretim Organizasyonlarının Simülasyon Destekli Araştırılması**
KORUCA H. İ. , TUNCA M. Z. , SÜTÇÜ A., ÖZDEMİR G.
IV. Ulusal Üretim Araştırmaları Sempozyumu, Konya, Turkey, 8 - 10 October 2004, pp.19-24

Citations

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