Prof. Dr. CANAN ÖZGEN

Kişisel Bilgiler

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Yönetilen Tezler

ÖZGEN C., Rate-based modeling of steam ethane cracker, Yüksek Lisans, S.GÜNDÜR(Öğrenci), 2015

ÖZGEN C., KÜLAH H., Metisilin dirençli Staphylococcus aureus ve vankomisin dirençli Enterococcus suşlarının tanısı için MEMS tabanlı elektrokimyasal sensör., Doktora, H.Ceylan(Öğrenci), 2013

ÖZGEN C., KÜLAH H., Staphylococcal enterotoksin B (SEB) ve Candida Albicans saptaması için yeni tutundurma prosedürü geliştirilmesi., Yüksek Lisans, D.Ertürkan(Öğrenci), 2012

KÜLAH H., ÖZGEN C., Development of a new immobilization procedure for detection of staphylococcal enterotoxin B (SEB) and Candida albicans, Yüksek Lisans, D.ERTÜRKAN(Öğrenci), 2012

ÖZGEN C., Mathematical modeling of gate control theory, Yüksek Lisans, E.AGİ(Öğrenci), 2009

ÖZGEN C., Inferential control of boric acid production system, Yüksek Lisans, Ö.DERVİŞOĞLU(Öğrenci), 2007

ÖZGEN C., Control and simulation studies for a multicomponent batch packed distillation column, Yüksek Lisans, H.CEYLAN(Öğrenci), 2007

ÖZGEN C., Modeling and control studies for a reactive batch distillation column, Doktora, A.BAHAR(Öğrenci), 2007

BAYRAM G., ÖZGEN C., Inferential model predictive control of poly(ethylene terephthalate) degradation during extrusion, Yüksek Lisans, M.OLUŞ(Öğrenci), 2006

ÖZGEN C., Control of pH in neutralization reactor of a waste water treatment system using identification reactor, Yüksek Lisans, S.OBUT(Öğrenci), 2005

LEBLEBİCİOĞLU M. K., ÖZGEN C., Model predictive control (MPC) performance for controlling reaction systems, Yüksek Lisans, I.AŞAR(Öğrenci), 2004

ÖZGEN C., Kimyasal proseslerde adaptif sinirsel bulanık tahmin yönteminin uygulamaları, Yüksek Lisans, E.Güner(Öğrenci), 2003

LEBLEBİCİOĞLU M. K., ÖZGEN C., Adaptive neuro fuzzy inference system (anfis) applications in chemical processes, Yüksek Lisans, E.GÜNER(Öğrenci), 2003

ÖZGEN C., An artificial neural network estimator design for the inferential model predictive control of an industrial multi-component distillation column, Yüksek Lisans, A.BAHAR(Öğrenci), 2003

ÖZGEN C., Multivariable model predictive controller design for an industrial distillation column, Yüksek Lisans, M.TEKİN(Öğrenci), 2002

LEBLEBİCİOĞLU M. K., ÖZGEN C., Fuzzy and sliding mode control of a pH neutralization system, Yüksek Lisans, Ü.AKBAY(Öğrenci), 2002

ÖZGEN C., Multicomponent batch distillation column simulation and state observer design, Yüksek Lisans, U.YILDIZ(Öğrenci), 2002

ÖZGEN C., Model predictive control of the chlorination stage in a pulp bleaching plant, Yüksek Lisans, C.UĞUR(Öğrenci), 2001

HALICI U., ÖZGEN C., Control of an industrial multi component high purity distillation column with a model predictive controller, Yüksek Lisans, M.KAYA(Öğrenci), 2000

LEBLEBİCİOĞLU M. K., ÖZGEN C., Some sliding mode control applications in brushless DC motor and pH systems, Yüksek Lisans, F.KAFFASHİ(Öğrenci), 1999

ÖZGEN C., Simulation study of an adaptive fuzzy knowledge based controller (FKBC) and neural network controller (NNC) on a pH system, Yüksek Lisans, K.NESRALLAH(Öğrenci), 1998

ÖZGEN C., The Determination of the exergy losses in an aromatics plant and the development of a computer program for its calculation, Yüksek Lisans, E.TOPALOĞLU(Öğrenci), 1997

ÖZGEN C., YETİŞ Ü., Improvements of the bleaching process of Dalaman Pulp and Paper Plant to reduce the environmental impacts, Yüksek Lisans, M.Hafız(Öğrenci), 1997

ÖZGEN C., An Adaptive nonlinear model predictive controller using a neural network, Yüksek Lisans, Ö.KARAHAN(Öğrenci), 1997

ÖZGEN C., Heat excharger network studies in chemical processes, Yüksek Lisans, N.DEMİRKAZIK(Öğrenci), 1997

ÖZGEN C., Ethanel fermentation with simultaneous product separation in a bioreactor-stripper system, Doktora, S.SAİN(Öğrenci), 1997

ÖZGEN C., Improvements of the bleaching process of Dalaman pulp and power plant to reduce the environmental, Yüksek Lisans, M.QUSHSHO'O(Öğrenci), 1997

ÖZGEN C., Heat exchanger network studies in chemical process, Yüksek Lisans, N.Demirkazık(Öğrenci), 1997

ÖZGEN C., GÜRKAN T., Ethanol fermentation with simultaneous product separation in a bioreactor-stripper system., Doktora, S.Sain(Öğrenci), 1997

ÖZGEN C., HALICI U., An adaptive non-linear model predictive controller using a neural network, Yüksek Lisans, Ö.Karahan(Öğrenci), 1997

GÜRKAN T., ÖZGEN C., Process synthesis studies in batch distillation column design and operation, Doktora, D.Alkaya(Öğrenci), 1997

ÖZGEN C., Modeling of the cement demond of Turkey, Yüksek Lisans, İ.TOLGA(Öğrenci), 1996

ÖZGEN C., Control configuration selection fora high-purity industrial distillation column with side stream, Yüksek Lisans, M.ERTAN(Öğrenci), 1993

ÖNAL I., ÖZGEN C., Transient modeling of diffusivity for monolithic catalyst by using pilse testing technique, Yüksek Lisans, Z.Khedr(Öğrenci), 1991

GÜRKAN T., ÖZGEN C., Synthesis of regulatory control structures for a styrene plant, Yüksek Lisans, M.Türkay(Öğrenci), 1991

ÖZGEN C., An expert system sor dryer selection: drysel, Yüksek Lisans, Y.Refhan(Öğrenci), 1991

ÖZGEN C., Model predictive control studies on a cascade temperature control loop, Yüksek Lisans, A.GENÇ(Öğrenci), 1991

GÜRKAN T., ÖZGEN C., Studies on the control structure for a reactor-separation system, Yüksek Lisans, N.Kayakol(Öğrenci), 1990

ÖZGEN C., Selection of the best control configuration for an industrial distillation column, Yüksek Lisans, R.DADAL(Öğrenci), 1990

ÖZGEN C., Determination of a suitable measurement structure for better control of distillation columns, Yüksek Lisans, D.ALKAYA(Öğrenci), 1990

ÖZGEN C., Internal model control studies in a pH-Control loop, Yüksek Lisans, S.GİRGİÇ(Öğrenci), 1989

ÖZGEN C., The Control of heat exchangers using on-line identification, modern control theory and internal model control, Yüksek Lisans, M.NUNA(Öğrenci), 1988

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **A Fully Microfabricated Electrochemical Sensor and its Implementation for Detection of Methicillin Resistance in Staphylococcus aureus**
    Koydemir H. C., KÜLAH H., ALP A., ÜNER A., HASÇELİK A. G., ÖZGEN C.
    IEEE SENSORS JOURNAL, cilt.14, sa.6, ss.1844-1851, 2014 (SCI-Expanded)

II. **Solvent Compatibility of Parylene C Film Layer**
    Koydemir H. C., KÜLAH H., ÖZGEN C.
    JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, cilt.23, sa.2, ss.298-307, 2014 (SCI-Expanded)

III. **Molecular weight control of poly(ethylene terephthalate) in extrusion process**
    Ozbek M. O., BAYRAM G., ÖZGEN C.
    POLYMER ENGINEERING AND SCIENCE, cilt.54, sa.2, ss.459-465, 2014 (SCI-Expanded)

IV. **Ultrasensitive and selective homogeneous sandwich immunoassay detection by Surface Enhanced Raman Scattering (SERS)**
Pekdemir M. E., Erturkan D., KÜLAH H., BOYACI İ. H., ÖZGEN C., Tamer U.
ANALYST, cilt.137, sa.20, ss.4834-4840, 2012 (SCI-Expanded)

V. **MEMS biosensors for detection of methicillin resistant Staphylococcus aureus**
Ceylan Koydemir H., KÜLAH H., ÖZGEN C., ALP A., Hascelik G.
BIOSENSORS & BIOELECTRONICS, cilt.29, sa.1, ss.1-12, 2011 (SCI-Expanded)

VI. **State estimation and inferential control for a reactive batch distillation column**
Bahar A., ÖZGEN C.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, cilt.23, sa.2, ss.262-270, 2010 (SCI-Expanded)

VII. **Online identification and control of pH in a neutralization system**
Obut S., ÖZGEN C.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.47, sa.13, ss.4394-4404, 2008 (SCI-Expanded)

VIII. **Artificial neural network estimator design for the inferential model predictive control of an industrial distillation column**
Bahar A., Ozgen C., Leblebicioglu K., Halici U.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.43, sa.19, ss.6102-6111, 2004 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Effects of Solvents on Dissolution of Photoresist in Parylene Microchannels**
Koydemir H. C., KÜLAH H., ÖZGEN C., Tosun I.
NSTI Nanotechnology Conference and Expo (Nanotech 2012), Santa-Clara, Küba, 18 - 21 Haziran 2012, ss.372-375

II. **Modeling of gate control neuronal circuitry including morphologies and physiologies of component neurons and fibres**
Agi E., ÖZGEN C., PURALI N.
9th International Symposium on Dynamics and Control of Process Systems, DYCOPS 2010, Leuven, Belçika, 5 - 07 Temmuz 2010, cilt.9, ss.865-870

III. **A disposable MEMS DNA biosensor for antibiotic resistant gene detection in Staphylococcus aureus Staphylococcus aureus suşlarinda antibiyotiğe dirençli gen tanisi için tek kullanimlik MEMS DNA biyosensörü**
Ceylan H., KÜLAH H., ALP A., ÖZGEN C., Hasçelik G.
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Türkiye, 21 - 24 Nisan 2010

IV. **Design of state estimators for the inferential control of an industrial distillation column**
BAHAR A., GUNER E., OZGEN C., HALICI U.
2006 IEEE INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORK PROCEEDINGS, Vancouver, Kanada, 16 - 21 Temmuz 2006, ss.1112-1115

V. **EKF and ANFIS estimator design in multicomponent batch distillation columns**
Yildiz U., Güner E., ÖZGEN C., LEBLEBİCİOĞLU M. K.
7th IFAC Symposium on Dynamics and Control of Process Systems, DYCOPS 2004, Cambridge, Amerika Birleşik Devletleri, 5 - 07 Temmuz 2004, cilt.37, ss.631-636

Metrikler

Yayın: 13
Atıf (WoS): 162
Atıf (Scopus): 173
H-İndeks (WoS): 7
H-İndeks (Scopus): 7

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