Prof. CANAN ÖZGEN

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Advising Theses

ÖZGEN C., Rate-based modeling of steam ethane cracker, Postgraduate, S.GÜNDÜR(Student), 2015

ÖZGEN C., KÜLAH H., MEMS based electrochemical DNA sensor to detect methicillin resistant Staphylococcus aureus and vancomycin resistant Enterococcus species, Doctorate, H.Ceylan(Student), 2013

ÖZGEN C., KÜLAH H., Development of a new immobilization procedure for detection of stphylococcal enterotoxin B (SEB) and Candida Albicans, Postgraduate, D.Ertürkan(Student), 2012

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

ÖZGEN C., Mathematical modeling of gate control theory, Postgraduate, E.AGİ(Student), 2009

ÖZGEN C., Inferential control of boric acid production system, Postgraduate, Ö.DERVİŞOĞLU(Student), 2007

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

ÖZGEN C., Modeling and control studies for a reactive batch distillation column, Doctorate, A.BAHAR(Student), 2007 BAYRAM G., ÖZGEN C., Inferential model predictive control of poly(ethylene terephthalate) degradation during extrusion, Postgraduate, M.OLUŞ(Student), 2006

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

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

ÖZGEN C., Adaptive neuro fuzzy inference system applications in chemical processes, Postgraduate, E.Güner(Student), 2003

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

ÖZGEN C., An artificial neural network estimator design for the inferential model predictive control of an industrial multicomponent distillation column, Postgraduate, A.BAHAR(Student), 2003

ÖZGEN C., Multivariable model predictive controller design for an industrial distillation column., Postgraduate, M.TEKİN(Student), 2002

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

ÖZGEN C., Multicomponent batch distillation column simulation and state observer design., Postgraduate, U.YILDIZ(Student), 2002

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

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

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

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

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

ÖZGEN C., YETİŞ Ü., Improvements of the bleaching process of Dalaman Pulp and Paper Plant to reduce the environmental impacts, Postgraduate, M.Hafiz(Student), 1997

ÖZGEN C., An Adaptive nonlinear model predictive controller using a neural network, Postgraduate,

Ö.KARAHAN(Student), 1997

ÖZGEN C., Heat excharger network studies in chemical processes, Postgraduate, N.DEMİRKAZIK(Student), 1997

ÖZGEN C., Ethanel fermentation with simultaneous product separation in a bioreactor-stripper system, Doctorate,

S.SAİN(Student), 1997

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

ÖZGEN C., Heat exchanger network studies in chemical process, Postgraduate, N.Demirkazık(Student), 1997

ÖZGEN C., GÜRKAN T., Ethanol fermentation with simultaneous product separation in a bioreactor-stripper system,

Doctorate, S.Sain(Student), 1997

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

GÜRKAN T., ÖZGEN C., Process synthesis studies in batch distillation column design and operation, Doctorate,

D.Alkaya(Student), 1997

ÖZGEN C., Modeling of the cement demond of Turkey, Postgraduate, İ.TOLGA(Student), 1996

ÖZGEN C., Control configuration selection for ahigh-purity industrial distillation column with side stream, Postgraduate, M.ERTAN(Student), 1993

ÖNAL I., ÖZGEN C., Transient modeling of diffusivity for monolithic catalyst by using pilse testing technique,

Postgraduate, Z.Khedr(Student), 1991

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

ÖZGEN C., An expert system sor dryer selection: drysel, Postgraduate, Y.Refhan(Student), 1991

ÖZGEN C., Model predictive control studies on a cascade temperature control loop, Postgraduate, A.GENÇ(Student), 1991

GÜRKAN T., ÖZGEN C., Studies on the control structure for a reactor-separation system, Postgraduate,

N.Kayakol(Student), 1990

ÖZGEN C., Selection of the best control configuration for an industrial distillation column, Postgraduate,

R.DADAL(Student), 1990

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

ÖZGEN C., Internal model control studies in a pH-Control loop, Postgraduate, S.GİRGİÇ(Student), 1989

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

Published journal articles indexed by SCI, SSCI, and AHCI

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, vol.14, no.6, pp.1844-1851, 2014 (SCI-Expanded)

II. Solvent Compatibility of Parylene C Film Layer

Koydemir H. C., KÜLAH H., ÖZGEN C.

JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, vol.23, no.2, pp.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, vol.54, no.2, pp.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, vol.137, no.20, pp.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, vol.29, no.1, pp.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, vol.23, no.2, pp.262-270, 2010 (SCI-Expanded)

VII. Online identification and control of pH in a neutralization system

Obut S., ÖZGEN C.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.47, no.13, pp.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, vol.43, no.19, pp.6102-6111, 2004 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

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, Cuba, 18 - 21 June 2012, pp.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, Belgium, 5 - 07 July 2010, vol.9, pp.865-870

III. A disposable MEMS DNA biosensor for antibiotic resistant gene detection in Staphylococcus aureus Staphylococcus aureus suşlarında antibiyotiğe dirençli gen tanisi için tek kullanımlık MEMS DNA biyosensörü

Ceylan H., KÜLAH H., ALP A., ÖZGEN C., Hasçelik G.

2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 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, Canada, 16 - 21 July 2006, pp.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, United States Of America, 5 - 07 July 2004, vol.37, pp.631-636

Metrics

Publication: 13
Citation (WoS): 151
Citation (Scopus): 169

H-Index (WoS): 6 H-Index (Scopus): 7

Non Academic Experience

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