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Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği (Dr), Turkey 1986 - 1990

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Elektrik - Elektronik Mühendisliği Bölümü, Turkey 1983 - 1985

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1978 - 1981

Dissertations

Doctorate, Geliştirilmiş bir ultrasonik darbeli doppler kan akış ölçme düzeninde hata kaynaklarının analizi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği (Dr), 1990

Postgraduate, Three dimensional control of machine tools by using microcomputer, Middle East Technical University, Analiz ve Fonksiyonlar Teorisi, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 1985

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2016 - Continues

Professor, Gazi University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 1999 - 2016

Associate Professor, Gazi University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 1997 - 1999

Associate Professor, Kahramanmaraş Sutcu Imam University, Kahramanmaraş Vocational School, Department Of Electronics And Automation, 1993 - 1997

Assistant Professor, Kahramanmaraş Sutcu Imam University, Kahramanmaraş Vocational School, Department Of Electronics And Automation, 1993 - 1993

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1991 - 1993

Lecturer, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1990 - 1991

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1983 - 1990

Academic and Administrative Experience

Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2011 - 2014
Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 1997 - 2011
Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 1998 - 2009
Gazi University, Teknik Eğitim Fakültesi, 1997 - 2000
Kahramanmaraş Sutcu Imam University, Kahramanmaraş Meslek Yüksekokulu, 1993 - 1995
Erciyes University, Fizik, Elektronik Mühendisliği Bölümü, 1991 - 1992

Advising Theses

GÜLER İ., Using Hybrid Methods To Ensure The Security Of Medical Dicom Data, Postgraduate, D.BALCI(Student), 2019
GÜLER İ., Puls oksimetre senkronizasyonlu, oransal valf kontrollü ve mikrodenetleyici tabanlı bir ventilatör tasarımı ve gerçekleştirilmesi, Doctorate, A.GÖLCÜK(Student), 2017
GÜLER İ., Design And Implementation Of P300 Based Asynchronous Brain Computer Interface For Environment Control Applications, Doctorate, E.AKMAN(Student), 2015
GÜLER İ., Epileptik MRI ve EEG verileri için bulanık mantık tabanlı steganografi uygulaması, Doctorate, R.KARAKIŞ(Student), 2015
GÜLER İ., A Fuzzy Logic-Based Steganography Application For Mri And Eeg Data Of Epilepsy, Doctorate, R.Karakış(Student), 2015
GÜLER İ., Determination of mortalite risks of acute pancreatitis patients by using decision tree method, Postgraduate, Z.HİLLAL(Student), 2014
GÜLER İ., Remote signal detection and processing in a wearable ecg systems, Doctorate, O.ÖZKARACA(Student), 2013
GÜLER İ., Development of smart cure and urgent medical aid system for tracking of chronic pulmonary patients with mobile communication technology, Doctorate, A.HAKAN(Student), 2012
GÜLER İ., Determination of prognosis in breast cancer patients from dna microarray analysis using genetic algorithm, Doctorate, O.YILDIZ(Student), 2012
GÜLER İ., Segmentation of brain mr images using wavelet transform and self organizing maps neural network, Doctorate, A.DEMİRHAN(Student), 2012
GÜLER İ., Thermoelektrik modüllerden oluşan bir sistemin yapay sinir ağı ile modellenmesi, Postgraduate, G.HATİCE(Student), 2011
GÜLER İ., Web site design for interactive learning objects visualization in distance education of biomedical specialists, Postgraduate, İ.İŞİK(Student), 2010
GÜLER İ., Cardiac Doppler signal analyzer and classifier system: KARDIAS, Doctorate, T.TOPAL(Student), 2010
GÜLER İ., GÜLER N. F., The transmission of ECG signal with mobile phone, Postgraduate, S.CAN(Student), 2010
GÜLER İ., Design and implementation of an algorithm against sinkhole attack in wireless sensor networks, Doctorate, M.MEGHDADI(Student), 2010
GÜLER İ., ÇETİN A., Design and implementation of an ECG with usb interface, Postgraduate, H.BAŞAL(Student), 2010
GÜLER İ., Bluetooth ile EKG verilerinin iletimi, Postgraduate, S.ÖZCAN(Student), 2010
GÜLER İ., The design of blood pressure and body temperature measurement device, Postgraduate, H.ÖCAL(Student), 2010
GÜLER İ., GÜLER N. F., Mikrodenetleyici tabanlı e-test strip uygulaması cihazı tasarımı ve gerçekleştirilmesi, Postgraduate, B.ÇELİK(Student), 2009
GÜLER İ., Yapay sinir ağı ve lojistik regresyon yöntemleri ile meme kanseri koltuk altı lenf nodu durumunun belirlenmesi, Postgraduate, R.KARAKIŞ(Student), 2009
GÜLER İ., Ultrasonik yöntem ile dişeti kalınlığının belirlenmesi, Postgraduate, E.AKMAN(Student), 2009
GÜLER İ., Taşınabilir, düşük güçlü, 10Mhz sürekli dalga ultrasonik Doppler kan akış ölçer, Postgraduate, A.DEMİRCİ(Student), 2008
GÜLER İ., TAŞINABİLİR, DÜŞÜK GÜÇLÜ, 10MHZ SÜREKLİ DALGA ULTRASONİK DOPPLER KAN AKIŞ ÖLÇER, Postgraduate, A.DEMİRCİ(Student), 2008

GÜLER İ., Biyomedikal mühendisliğine giriş dersinin internet üzerinde tasarımı, Doctorate, Y.EZGİNCİ(Student), 2008

GÜLER İ., Kan akış hızı ölçümü için taşınabilir darbeli doppler cihazı tasarımı ve geliştirilmesi, Postgraduate, G.ÖZTÜRK(Student), 2008

GÜLER İ., Tıpta robot uygulamaları, Postgraduate, S.ÖZÇILNAK(Student), 2007

GÜLER İ., GENİS BANDLI 3 MHz ULTRASONİK DÖNÜŞTÜRÜCÜNÜN TASARIMI VE GERÇEKLEŞTİRİLMESİ, Postgraduate, C.DENİZ(Student), 2007

GÜLER İ., Geniş bandlı 3 MHz ultrasonik dönüştürücünün tasarımı ve gerçekleştirilmesi, Postgraduate, C.DENİZ(Student), 2007

GÜLER İ., Açık kaynak kodlu işletim sistemleri üzerinde paralel yük dengeleme modeli geliştirilmesi, Doctorate, D.SERAL(Student), 2006

GÜLER İ., PC tabanlı çok kanallı bir elektronik stetoskop tasarımı ve gerçekleştirilmesi, Doctorate, H.POLAT(Student), 2006

GÜLER İ., Renk yönetiminde kullanılacak dijital prova sistemleri ve monitör görüntülerindeki seçim kriterlerinin belirlenmesi, Doctorate, E.KÖSE(Student), 2006

GÜLER İ., Elektronik burun teknolojisi ve örnek uygulaması, Postgraduate, A.ALPER(Student), 2006

GÜLER İ., Bulanık adaptif medyan filtresi kullanarak tıbbi görüntülerdeki darbe gürültüsünün bastırılması, Doctorate, A.TOPRAK(Student), 2006

GÜLER İ., HARDALAÇ F., Transcranial doppler işaretlerinin yapay zeka ortamında sınıflandırılması, Doctorate, U.ERGÜN(Student), 2005

GÜLER İ., HARDALAÇ F., Kardiyak doppler işaretlerinin yapay sinir ağı ve NEFCLASS ile sınıflandırılması, Doctorate, N.BARIŞCI(Student), 2005

GÜLER İ., Muayenehane otomasyonu programı, Postgraduate, M.YAĞCI(Student), 2005

GÜLER İ., Bir bilgisayar marketinin interaktif WEB sayfası tasarımı, Postgraduate, S.ERGÜN(Student), 2004

GÜLER İ., Bulanık mantık algoritması ile beyin travma derecesinin incelenmesi, Doctorate, E.GÜLBANDILAR(Student), 2004

GÜLER İ., Biyomedikal sinyallerin işlenmesi ve görüntülenmesi için bir arayüz yazılımının gerçekleştirilmesi, Postgraduate, Ö.KAYA(Student), 2004

GÜLER İ., Klinik amaçlı deri üzerinden elektrikli kas sinir uyarıcı tasarımı ve uygulaması, Postgraduate, M.NAİLLİOĞLU(Student), 2003

GÜLER İ., Bilgisayar destekli biyomedikal mühendislik eğitimi için yazılım geliştirme, Doctorate, A.İSTANBULLU(Student), 2003

GÜLER İ., Sıcaklığı, bağıl nem oranı ve oksijen gazı konsantrasyonu mikrodenetleyici ile kontrol edilebilen bir inkübatör sistemi tasarımı ve yapımı, Doctorate, M.BURUNKAYA(Student), 2002

GÜLER İ., Teletıp yazılım uygulaması: Elektronik reçete, Postgraduate, M.ELBİSTAN(Student), 2002

GÜLER İ., Fiziksel büyüklüklerin mikrodenetleyici tabanlı sistemle ölçümü ve kontrolü, Postgraduate, H.SORGUNLU(Student), 2001

GÜLER İ., Biyomedikal enstrümantasyon laboratuvarında kullanılmak üzere PC tabanlı bir EMG-deney düzeni tasarımı ve deneylerin geliştirilmesi, Doctorate, M.RAHMİ(Student), 2001

GÜLER İ., Web teknolojileri kullanılarak veri tabanlarına erişim metodlarının incelenmesi ve uygulanması, Postgraduate, D.SERAL(Student), 2000

GÜLER İ., Uzman sistemlerin tıpta teşhis amaçlı kullanımı, Postgraduate, A.BABALIK(Student), 2000

GÜLER İ., Akıllı kartlar ile giriş çıkış uygulaması, Postgraduate, R.MURAT(Student), 1999

GÜLER İ., Scada tabanlı katodik koruma redresör terminali tasarımı ve uygulaması, Postgraduate, R.REZANEJAD(Student), 1999

GÜLER İ., Temel elektronik deney seti tasarımı ve uygulaması, Postgraduate, V.ŞAHİN(Student), 1999

GÜLER İ., Türkiye'de devlet hastanelerinde ve devlet hastaneleri arasında hasta kayıtlarının elektronik paylaşımı kullanım modeli, Doctorate, S.MÜLDÜR(Student), 1999

GÜLER İ., Led matris panonun bilgisayarla kontrolünün tasarımı, Postgraduate, M.İLKUÇAR(Student), 1999

GÜLER İ., Mikrodenetleyici kontrollü genel amaçlı bir stimülatör cihazı tasarımı ve uygulaması, Postgraduate, S.KOÇER(Student), 1998

GÜLER İ., Mikrodenetleyici kontrollü dış protezi pişirme fırını, Postgraduate, M.KAPIDERE(Student), 1998

GÜLER İ., Güç faktörünün düzeltilmesinin elektrik abonesine ve ulusal elektrik şebekesine sağlayacağı faydalar, Postgraduate, M.OTLU(Student), 1998

GÜLER İ., Bir üretim bandında üretilen malın kalite kontrolünün PLC kullanılarak gerçekleştirilmesi, Postgraduate, R.BAYIR(Student), 1998

GÜLER İ., Ultrasonik doppler analiz için yapay wigner dağılımının kullanımı, Postgraduate, N.KANGÖZ(Student), 1996

GÜLER İ., Doppler cihazı ve autoregresif spektral analiz metoduyla mitral ve triküspit kapaklardaki kan akışının incelenmesi, Doctorate, S.KARA(Student), 1994

GÜLER İ., Ultrasonik dönüştürücü, Postgraduate, S.GÜNEŞ(Student), 1993

GÜLER İ., Fizyolojik sinyallerin radyo dalgaları ile hastane içerisinde bir yerden başka bir yere iletilmesi, Postgraduate, Ö.KODAZ(Student), 1993

GÜLER İ., Sığırlarda erken gebelik teşhisinde kullanılan metodlar ve doppler ultrasonik kan akış ölçme tekniği, Postgraduate, E.TUNA(Student), 1993

GÜLER İ., Elektromagnetik indüksiyonla kan akışının ölçülmesi, Postgraduate, Ş.GÖKDERE(Student), 1993

GÜLER İ., Ultrasonik zaman domeni tekniğinde hassasiyet analizi ve diğer tekniklerle karşılaştırılması, Postgraduate, H.BAKIRCI(Student), 1993

GÜLER İ., Sporcular üzerinde O₂ tüketiminin belirlenmesi, Postgraduate, O.SÖYLER(Student), 1993

GÜLER İ., Darbeli doppler kan akış ölçüm sisteminin tasarımı, Postgraduate, Y.EZGİNCİ(Student), 1993

GÜLER İ., Metroloji ve kalibrasyon, Doctorate, M.ALKAN(Student), 1993

GÜLER İ., Disk şeklindeki ince piezoelektrik plakalar kullanılarak gerçekleştirilen geniş bantlı ultrasonik dönüştürücü tasarımı, Doctorate, Ş.ERGÜN(Student), 1992

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Using of Oxygen Species in the Sterilization of Medical Equipment and Assessment of the Test Results**
Atalay H. O. U., GÜLER İ.
JOURNAL OF PHARMACEUTICAL INNOVATION, vol.18, no.3, pp.1476-1486, 2023 (SCI-Expanded)
- II. **Designing and application of a new medical instrument sterilization system using reactive oxygen species**
Ulutas H. O., Özçelik B., Güler İ.
REVIEW OF SCIENTIFIC INSTRUMENTS, vol.92, no.11, 2021 (SCI-Expanded)
- III. **The Use of Stepper Motor-Controlled Proportional Valve for Fio(2) Calculation in the Ventilator and its Control with Fuzzy Logic**
Golcuk A., GÜLER İ.
JOURNAL OF MEDICAL SYSTEMS, vol.41, no.1, 2017 (SCI-Expanded)
- IV. **Design and Construction of a Microcontroller-Based Ventilator Synchronized with Pulse Oximeter**
Goluck A., IŞIK H., GÜLER İ.
JOURNAL OF MEDICAL SYSTEMS, vol.40, no.7, 2016 (SCI-Expanded)
- V. **A novel fuzzy logic-based image steganography method to ensure medical data security**
Karalcis R., Guler J., Capraz İ., Bilir E.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.67, pp.172-183, 2015 (SCI-Expanded)
- VI. **A genetic algorithm model based on artificial neural network for prediction of the axillary lymph node status in breast cancer**
KARAKIŞ R., Tez M., Kilic Y. A., Kuru Y., Guler İ.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.26, no.3, pp.945-950, 2013 (SCI-Expanded)
- VII. **A Low-Cost Mobile Adaptive Tracking System for Chronic Pulmonary Patients in Home Environment**
Isik A. H., GÜLER İ., Sener M. U.
TELEMEDICINE AND E-HEALTH, vol.19, no.1, pp.24-30, 2013 (SCI-Expanded)
- VIII. **Effects of radiation emitted from mobile phones on short- term heart rate variability parameters**
YILDIZ M., YILMAZ D., GÜLER İ., AKGÜLLÜ Ç.

ANATOLIAN JOURNAL OF CARDIOLOGY, vol.12, no.5, pp.406-412, 2012 (SCI-Expanded)

- IX. **Pulse Oximeter Based Mobile Biotelemetry Application**
Isik A. H., GÜLER İ.
ANNUAL REVIEW OF CYBERTHERAPY AND TELEMEDICINE 2012: ADVANCED TECHNOLOGIES IN THE BEHAVIORAL, SOCIAL AND NEUROSCIENCES, vol.181, pp.197-201, 2012 (SCI-Expanded)
- X. **A Survey of Wormhole-based Attacks and their Countermeasures in Wireless Sensor Networks**
Meghdadi M., Ozdemir S., Gueler İ.
IETE TECHNICAL REVIEW, vol.28, no.2, pp.89-102, 2011 (SCI-Expanded)
- XI. **Combining stationary wavelet transform and self-organizing maps for brain MR image segmentation**
DEMİRHAN A., Gueler İ.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.24, no.2, pp.358-367, 2011 (SCI-Expanded)
- XII. **A survey on application of quantitative methods on analysis of brain parameters changing with temperature**
DEMİRHAN A., Kaymaz M., AHISKA R., GÜLER İ.
Journal of Medical Systems, vol.34, no.6, pp.1059-1071, 2010 (SCI-Expanded)
- XIII. **Design of a Cervical Collar Device to Facilitate and Accelerate Implementation of First Aid**
IŞIK H., Saracoglu E., Harmanci H., GÜLER İ.
JOURNAL OF MEDICAL SYSTEMS, vol.34, no.4, pp.573-578, 2010 (SCI-Expanded)
- XIV. **IMAGE SEGMENTATION USING SELF-ORGANIZING MAPS AND GRAY LEVEL CO-OCCURRENCE MATRICES**
DEMİRHAN A., GÜLER İ.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.2, pp.285-291, 2010 (SCI-Expanded)
- XV. **DESIGN OF PIC-CONTROLLED PULSED ULTRASONIC TRANSMITTER FOR MEASURING GINGIVA THICKNESS**
AKMAN AYDIN E., GÜLER İ.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.38, no.6, pp.411-420, 2010 (SCI-Expanded)
- XVI. **Evaluating of traumatic brain injuries using artificial neural networks**
GÜLER İ., Gokcil Z., GÜLBANDILAR E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.7, pp.10424-10427, 2009 (SCI-Expanded)
- XVII. **Interpretation of MR images using self-organizing maps and knowledge-based expert systems**
Gueler İ., DEMİRHAN A., KARAKIŞ R.
DIGITAL SIGNAL PROCESSING, vol.19, no.4, pp.668-677, 2009 (SCI-Expanded)
- XVIII. **Design and Realization of a Microcontroller Based E-Test Strip Application Device**
Celik B., GÜLER N. F., GÜLER İ.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.37, no.6, pp.676-682, 2009 (SCI-Expanded)
- XIX. **The investigation of effects of digital proofing systems used in colour management on print quality with neural networks**
KÖSE E., Sahinbaskan T., GÜLER İ.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.1, pp.745-754, 2009 (SCI-Expanded)
- XX. **A different approach to off-line handwritten signature verification using the optimal dynamic time warping algorithm**
GÜLER İ., Meghdadi M.
DIGITAL SIGNAL PROCESSING, vol.18, no.6, pp.940-950, 2008 (SCI-Expanded)
- XXI. **Angiograph image restoration with the use of rule base fuzzy 2D Kalman filter**
Toprak A., Gueler İ.
EXPERT SYSTEMS WITH APPLICATIONS, vol.35, no.4, pp.1752-1761, 2008 (SCI-Expanded)
- XXII. **Control of a thermoelectric brain cooler by adaptive neuro-fuzzy inference system**
Ahiska R., Yavuz A. H., Kaymaz M., Guler İ.
Instrumentation Science and Technology, vol.36, no.6, pp.636-655, 2008 (SCI-Expanded)
- XXIII. **Software development for the analysis of heartbeat sounds with LabVIEW in diagnosis of**

cardiovascular disease

Topal T., POLAT H., GÜLER İ.

JOURNAL OF MEDICAL SYSTEMS, vol.32, no.5, pp.409-421, 2008 (SCI-Expanded)

- XXIV. **MR images restoration with the use of fuzzy filter having adaptive membership parameters**
Guler İ., Toprak A., Demirhan A., Karakış R.
JOURNAL OF MEDICAL SYSTEMS, vol.32, no.3, pp.229-234, 2008 (SCI-Expanded)
- XXV. **Suppression of impulse noise in MR images using artificial intelligent based neuro-fuzzy adaptive median filter**
Toprak A., ÖZERDEM M. S., GÜLER İ.
DIGITAL SIGNAL PROCESSING, vol.18, no.3, pp.391-405, 2008 (SCI-Expanded)
- XXVI. **Design of fuzzy logic controlled thermoelectric renal hypothermia system**
IŞIK H., Sargoglu E., GÜLER İ.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.36, no.3, pp.310-322, 2008 (SCI-Expanded)
- XXVII. **Detecting variabilities of Doppler ultrasound signals by a modified mixture of experts with diverse features**
ÜBEYLİ E. D., GÜLER İ.
DIGITAL SIGNAL PROCESSING, vol.18, no.2, pp.267-279, 2008 (SCI-Expanded)
- XXVIII. **Detection of traumatic brain injuries using fuzzy logic algorithm**
GÜLER İ., Tunca A., GÜLBANDILAR E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.34, no.2, pp.1312-1317, 2008 (SCI-Expanded)
- XXIX. **Design and construction of a microcontroller based transcranial magnetic stimulator**
Burunkaya M., Guler İ.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.36, no.1, pp.32-42, 2008 (SCI-Expanded)
- XXX. **Impulse noise reduction in medical images with the use of switch mode fuzzy adaptive median filter**
Toprak A., Gueler İ.
DIGITAL SIGNAL PROCESSING, vol.17, no.4, pp.711-723, 2007 (SCI-Expanded)
- XXXI. **Implementing wavelet/probabilistic neural networks for Doppler ultrasound blood flow signals**
Guler İ., Ubeyli E. D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.33, no.1, pp.162-170, 2007 (SCI-Expanded)
- XXXII. **Expert systems for time-varying biomedical signals using eigenvector methods**
Gueler İ., Uebeyli E. D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.32, no.4, pp.1045-1058, 2007 (SCI-Expanded)
- XXXIII. **Features extracted by eigenvector methods for detecting variability of EEG signals**
Ubeyli E. D., Guler İ.
PATTERN RECOGNITION LETTERS, vol.28, no.5, pp.592-603, 2007 (SCI-Expanded)
- XXXIV. **Multiclass support vector machines for EEG-signals classification**
Guler İ., Ubeyli E. D.
IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE, vol.11, no.2, pp.117-126, 2007 (SCI-Expanded)
- XXXV. **Performance analysis of classical, model-based and eigenvector methods: Ophthalmic arterial disorders detection case**
Ubeyli E. D., Guler İ.
COMPUTERS & ELECTRICAL ENGINEERING, vol.33, no.1, pp.30-47, 2007 (SCI-Expanded)
- XXXVI. **MATLAB toolboxes: Teaching feature extraction from time-varying biomedical signals**
Ubeyli E. D., Guler İ.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.14, no.4, pp.321-332, 2007 (SCI-Expanded)
- XXXVII. **Suppression of impulse noise in medical images with the use of fuzzy adaptive median filter**
Toprak A., Güler İ.
Journal of Medical Systems, vol.30, no.6, pp.465-471, 2006 (SCI-Expanded)
- XXXVIII. **Adaptive neuro-fuzzy inference system to compute quasi-TEM characteristic parameters of microshield lines with practical cavity sidewall profiles**

- Ubeyli E. D., Guler İ.
NEUROCOMPUTING, vol.70, pp.296-304, 2006 (SCI-Expanded)
- XXXIX. **Automated diagnostic systems with diverse and composite features for Doppler ultrasound signals**
Guler İ., Ubeyli E. D.
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, vol.53, no.10, pp.1934-1942, 2006 (SCI-Expanded)
- XL. **A recurrent neural network classifier for Doppler ultrasound blood flow signals**
Guler İ., Ubeyli E. D.
PATTERN RECOGNITION LETTERS, vol.27, no.13, pp.1560-1571, 2006 (SCI-Expanded)
- XLI. **A microcontroller based, low cost oxygen gas controller for medical purposes**
Burunkaya M., Guler İ.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.34, no.5, pp.509-527, 2006 (SCI-Expanded)
- XLII. **Combined neural network model to compute wavelet coefficients**
Guler İ., Ubeyli E.
EXPERT SYSTEMS, vol.23, no.3, pp.159-173, 2006 (SCI-Expanded)
- XLIII. **Analysis of Doppler ultrasound signals based on fuzzy similarity index**
Guler İ., Ubeyli E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.31, no.1, pp.130-136, 2006 (SCI-Expanded)
- XLIV. **Wavelet-based neural network analysis of internal carotid arterial doppler signals**
Übeyli E. D., GÜLER İ.
Journal of Medical Systems, vol.30, no.3, pp.221-229, 2006 (SCI-Expanded)
- XLV. **Diabetes diagnosis by multilayer perceptron neural networks Çok katmanli perseptron sinir ağıları ile diyabet hastalığının teşhisi**
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