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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Mühendisliği, Turkey 2003 - 2009

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektronik Ve Haberleşme Mühendisliği, Turkey 2000 - 2003

Undergraduate, Bursa Uludağ University, Faculty Of Engineering-Architecture, Turkey 1995 - 2000

Dissertations

Doctorate, Yeni aktif eleman yapıları ve analog devre tasarımındaki uygulamaları, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2009

Postgraduate, Akım modlu filtre devrelerinin sentezi, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2003

Research Areas

Electrical and Electronics Engineering, Electronic, Circuit Theory, Electronic Circuits, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2011 - Continues

Lecturer, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2009 - 2011

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2000 - 2009

Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Electronics And Communication Engineering, 2016 - Continues

Deputy Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Electronics And Communication Engineering, 2012 - 2013

Courses

Akım Modlu Devreler, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Bitirme Çalışması, Undergraduate, 2018 - 2019

Lojik Devre Tasarımı, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2012 - 2013

Tasarım Projesi, Undergraduate, 2018 - 2019

İş Hayatına Hazırlık, Undergraduate, 2018 - 2019

Bitirme Çalışması, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010

Çok Disiplinli Tasarım Projesi, Undergraduate, 2018 - 2019

Lojik Devreler, Undergraduate, 2018 - 2019

Bilgisayar Destekli Devre Analizi, Doctorate, 2018 - 2019

Seminer, Doctorate, 2017 - 2018

Devre ve Sistem Analizi, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

Tasarım Projesi, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010

Seminer, Postgraduate, 2017 - 2018, 2016 - 2017, 2012 - 2013

Algoritmalar ve Programlama, Undergraduate, 2015 - 2016, 2012 - 2013, 2011 - 2012, 2010 - 2011

Elektrik Devre Temelleri, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Mesleki Terminoloji, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Advising Theses

Ayten U. E., HIGH VOLTAGE BATTERY SYSTEM AND MANAGEMENT ALGORITHM, Postgraduate, F.YARAT(Student), 2024

Ayten U. E., Design of a new cell balancing system for battery management systems, Postgraduate, D.KOÇYİĞİT(Student), 2023

Ayten U. E., MNovel methods for inverse problem solution in diffuse optical tomography systems, Doctorate, S.Uysal(Student), 2023

Ayten U. E., Töreyn B. U., Automated myelin quantification with microscopic fluorescence imaging, Doctorate, S.ÇİMEN(Student), 2022

Ayten U. E., Modelling of the physiological control mechanisms regulating cerebral blood flow rate, Doctorate, S.BOZKURT(Student), 2022

Ayten U. E., Transresistance based active components with advantageous circuit applications, Doctorate, M.Cem(Student), 2022

Ayten U. E., Breath Tracking System Design and Integration into the Wearable System, Postgraduate, Ü.Hancılar(Student), 2022

Ayten U. E., Mahouti P., Boosting based ensemble learning approach in microwave circuits, Doctorate, H.KALAYCI(Student), 2022

Ayten U. E., Software based analysis of lightweight cryptography algorithms on microcontrollers with different architectures, Postgraduate, R.YARALI(Student), 2022

Ayten U. E., Durak Ata L., Design a novel multiple access scheme for massive machine type communication, Doctorate, F.TEKÇE(Student), 2021

Ayten U. E., Aktif Elemanlar İle Faz İlerlemeli, Gecikmeli Kompansatör ve Kontrolör Devrelerinin Tasarımı, Postgraduate,

Y.BUZCU(Student), 2019

Ayten U. E., Video Sinyallerinde Hareket Tespit Uygulaması, Postgraduate, K.GENÇAY(Student), 2019

Ayten U. E., Elektrikli araçlar için batarya yönetim sistemi tasarımı, Postgraduate, H.SERHAT(Student), 2018

Ayten U. E., Genel amaçlı bir bellek arayüzü donanımının alanda programlanabilir kapı dizileri ile gerçekleştirilmesi, Postgraduate, D.DAVUTOĞLU(Student), 2018

Ayten U. E., Hareket edebilen elektronik ve genel amaçlı sibernetik el ve kol sistemi, Postgraduate, E.TATLI(Student), 2018

Ayten U. E., Yapay sinir ağları kullanarak görüntü işlemeye dayalı ağırlık tahmini, Postgraduate, Ü.BURAK(Student), 2017

Ayten U. E., EEG SİNYALLERİNİN BEYİN MAKİNE ARAYÜZÜ AMAÇLI KULLANIMI, Postgraduate, S.ÇAKIR(Student), 2016

Ayten U. E., AKTİF ELEMANLAR İLE LİNEER OLMAYAN DEVRE TASARIMI VE UYGULAMALARI, Postgraduate, S.Erkan(Student), 2016

Ayten U. E., Novel multi-terminal building blocks with tuning ability and its application in analog signal processing, Postgraduate, A.KARTCI(Student), 2015

Ayten U. E., İnce tabakalı çift bant durdurucu frekans seçici yüzey tasarımı, Postgraduate, S.ÜNALDI(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **CC-CBTA-Based Floating Inductance Simulator with CM/VM PID Controllers**
Sagbas M., ÇAM TAŞKIRAN Z. G., AYTEN U. E.
Journal of Circuits, Systems and Computers, vol.33, no.8, 2024 (SCI-Expanded)
- II. **Current-mode PID controllers employing commercially available active components**
Yurdem B., Sagbas M., AYTEN U. E.
AEU - International Journal of Electronics and Communications, vol.175, 2024 (SCI-Expanded)
- III. **COMPUTATIONAL SIMULATION OF THE INTERACTION AMONG AUTOREGULATION MECHANISMS REGULATING CEREBRAL BLOOD FLOW RATE IN SYSTOLIC HEART FAILURE**
Bozkurt S., Ayten U. E.
Journal of Biological Systems, vol.31, no.1, pp.69-91, 2023 (SCI-Expanded)
- IV. **Short range electromagnetic interface using 0.35 µm CMOS blocks for temperature monitoring in isolated areas**
Sotner R., Jerabek J., Polak L., Prokop R., Ayten U. E., Jaikla W.
Journal of Advanced Research, vol.41, pp.49-62, 2022 (SCI-Expanded)
- V. **In silico simulation of the interaction among autoregulatory mechanisms regulating cerebral blood flow rate in the healthy and systolic heart failure conditions during exercise**
Bozkurt S., Ayten U. E.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.60, no.7, pp.1863-1879, 2022 (SCI-Expanded)
- VI. **Novel regularization method for diffuse optical tomography inverse problem**
Uysal S., Uysal H., Ayten U. E.
Optik, vol.261, 2022 (SCI-Expanded)
- VII. **Ensemble-based surrogate modeling of microwave antennas using XGBoost algorithm**
Kalayci H., Ayten U. E., Mahouti P.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol.35, no.2, 2022 (SCI-Expanded)
- VIII. **A New Simulated Grounded Inductor Based on Two NICs, Two Resistors and a Grounded Capacitor**
Yuce E., Alpaslan H., Minaei S., Ayten U. E.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.40, no.12, pp.5847-5863, 2021 (SCI-Expanded)
- IX. **SCMA System Design with Index Modulation via Codebook Assignment**
Tekçe F., Ayten U. E., Durak Ata L.
IEEE Transactions On Vehicular Technology, vol.70, no.2, pp.1699-1708, 2021 (SCI-Expanded)
- X. **Myelin detection in fluorescence microscopy images using machine learning**
Çimen Yetiş S., Çapar A., Ekinci D. A., Ayten U. E., Kerman B. E., Töreyn B. U.

JOURNAL OF NEUROSCIENCE METHODS, vol.346, 2020 (SCI-Expanded)

- XI. **A novel lead and lag compensator circuit employing a single current feedback operational amplifier**
Buzcu Y., Topaloglu S., Ayten U. E., Sağbaş M.
MICROELECTRONICS JOURNAL, vol.105, 2020 (SCI-Expanded)
- XII. **A new universal mutator circuit for memcapacitor and meminductor elements**
Çam Taşkıran Z. G., Sağbaş M., Ayten U. E., Sedef H.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.119, 2020 (SCI-Expanded)
- XIII. **Design of Wide Bandwidth, High-CMRR Voltage and Transadmittance-Mode Instrumentation Amplifier Using a Single CBTA**
Sağbaş M., Ayten U. E.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.29, 2020 (SCI-Expanded)
- XIV. **Dual-Output Operational Transconductance Amplifier-Based Electronically Controllable Memristance Simulator Circuit**
Taskiran Z. G., Ayten U. E., Sedef H.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.38, pp.26-40, 2019 (SCI-Expanded)
- XV. **A voltage-mode PID controller using a single CFOA and only grounded capacitors**
Ayten U. E., Yuce E., Minaei S.
MICROELECTRONICS JOURNAL, vol.81, pp.84-93, 2018 (SCI-Expanded)
- XVI. **Resistorless Current-Mode First-Order All-Pass Filter with Electronic Tuning Employing Low-Voltage CBTA and Grounded Capacitor**
Herencsar N., Koton J., Lahiri A., Ayten U. E., Sagbas M.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.27, 2018 (SCI-Expanded)
- XVII. **Voltage difference transresistance amplifier and its application: floating FDNR simulator circuit**
Dikbaş M. C., Ayten U. E.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.105, pp.1716-1727, 2018 (SCI-Expanded)
- XVIII. **Current and transimpedance mode instrumentation amplifier using a single new active component named CDTRA**
Dikbaş M. C., Ayten U. E.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.91, pp.24-36, 2018 (SCI-Expanded)
- XIX. **Modified Gorski-Popiel Technique and Synthetic Floating Transformer Circuit Using Minimum Components**
Sagbas M., Ayten U. E., Sedef H., Minaei S.
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.26, 2017 (SCI-Expanded)
- XX. **Memristor emulator circuits using single CBTA**
Ayten U. E., Minaei S., Sagbas M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.82, pp.109-118, 2017 (SCI-Expanded)
- XXI. **A Novel Dual-Band Ultrathin FSS With Closely Settled Frequency Response**
Unaldi S., Çimen S., Çakır G., Ayten U. E.
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol.16, pp.1381-1384, 2017 (SCI-Expanded)
- XXII. **Component reduced current-mode full-wave rectifier circuits using single active component**
Sagbas M., Minaei S., Ayten U. E.
IET CIRCUITS DEVICES & SYSTEMS, vol.10, pp.1-11, 2016 (SCI-Expanded)
- XXIII. **Realization of Low-Voltage Modified CBTA and Design of Cascadable Current-Mode All-Pass Filter**
Ayten U. E., Sagbas M., Minaei S.
RADIOENGINEERING, vol.23, pp.523-531, 2014 (SCI-Expanded)
- XXIV. **Current and Voltage Mode Multiphase Sinusoidal Oscillators Using CBTAs**
Sagbas M., Ayten U. E., Herencsar N., Minaei S.
RADIOENGINEERING, vol.22, pp.24-33, 2013 (SCI-Expanded)
- XXV. **Realization of New Mutually Coupled Circuit Using CC-CBTAs**

- Koksal M., Ayten U. E., Sağbaş M.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.31, pp.435-446, 2012 (SCI-Expanded)
- XXVI. **Novel Floating General Element Simulators Using CBTA**
Ayten U. E., Sagbas M., Herencsar N., Koton J.
RADIOENGINEERING, vol.21, pp.11-19, 2012 (SCI-Expanded)
- XXVII. **Reply to comment on "Electronically tunable floating inductance simulator"**
Sagbas M., Ayten U. E., Sedef H., Koksal M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.66, pp.86-88, 2012 (SCI-Expanded)
- XXVIII. **Electronically tunable sinusoidal oscillator circuit with current and voltage outputs**
Ayten U. E., Sagbas M., Sedef H.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.99, pp.1133-1144, 2012 (SCI-Expanded)
- XXIX. **Current mode leapfrog ladder filters using a new active block**
Ayten U. E., Sagbas M., Sedef H.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.64, pp.503-511, 2010 (SCI-Expanded)
- XXX. **Current and voltage transfer function filters using a single active device**
Sagbas M., Ayten U. E., Sedef H.
IET CIRCUITS DEVICES & SYSTEMS, vol.4, pp.78-86, 2010 (SCI-Expanded)
- XXXI. **Floating Immittance Function Simulator and Its Applications**
Sagbas M., Ayten U. E., Sedef H., Koksal M.
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.28, pp.55-63, 2009 (SCI-Expanded)
- XXXII. **Electronically tunable floating inductance simulator**
Sagbas M., Ayten U. E., Sedef H., Koksal M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.63, pp.423-427, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **A multi-spectral myelin annotation tool for machine learning based myelin quantification [version 1; peer review: 1 not approved]**
Çapar A., Yetiş S. Ç., Aladağ Z., Ekinci D. A., AYTEN U. E., Kerman B. E., Töreyn B. U.
F1000Research, vol.9, pp.1-10, 2021 (Scopus)
- II. **A multi-spectral myelin annotation tool for machine learning based myelin quantification**
Çapar A., Çimen S., Aladağ Z., Ekinci D. A., Ayten U. E., Kerman B. E., Töreyn B. U.
F1000Research, vol.9, pp.1492, 2020 (Scopus)
- III. **Yapay sinir ağları ile görüntü işlemeye dayalı uzaklıktan bağımsız ağırlık tahmin sistemi: yumurta ve portakal örnekleri**
Şalvarcı Ü. B., AYTEN U. E.
Journal of Geodesy and Geoinformation, vol.6, no.1, pp.26-46, 2019 (Peer-Reviewed Journal)
- IV. **MCBTA Aktif Elemanı Kullanılarak Akım Modlu Dikgen Sinüsoidal Osilatör Devresi Tasarımı**
Ayten U. E.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, no.1, pp.130-138, 2018 (Peer-Reviewed Journal)
- V. **Çevrimiçi Çalışabilen Çoklu Ortama Uygun Hasta İzleme Sistemi**
Demirtaş M., Tulum G., Sağbaş M., Ayten U. E.
Sakarya University Journal Of Science, vol.22, no.1, pp.1-7, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Boosting - Based modelling of frequency selective surfaces**
MAHOUTI P., AYTEN U. E., BELEN M. A., KALAYCI H.
in: Research & reviews in engineering - II, banu nergis, selahattin bardak, mahmut kayar, arif furkan mendi, Editor, gece kitaplığı, pp.105-129, 2021
- II. **Chapter 7- Boosting Based Modelling of Frequency Selective Surfaces**
Kalaycı H., MAHOUTI P., BELEN M. A., AYTEN U. E.
in: RESEARCH & REVIEWS IN ENGINEERING - II, Prof. Dr. Banu NERGİS, Assoc. Prof. Dr. Selahattin BARDAK, Assoc. Prof. Dr. Mahmut KAYAR, Dr. Arif Furkan MENDİ, Editor, Gece Kitaplığı / Gece Publishing, Ankara, pp.105-129, 2021
- III. **Lojik Devreler Laboratuvarı Deney Kitabı**
Uzun T., Ayten U. E., Alpay M., Yıldız N.
Yıldız Teknik Üniversitesi Basım-Yayın Merkezi, İstanbul, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **A Robust Speed Controller Design for PMSM Using PIAD μ Controllers**
ERSOY H., AKGÜL B., AKPINAR E., ÖZAKIN A., AYTEN U. E.
47th International Conference on Telecommunications and Signal Processing, TSP 2024, Virtual, Online, Czech Republic, 10 - 12 July 2024, pp.289-293
- II. **Performance Analysis of Fractional Order Band Pass Filter Kesir Dereceli Bant Geçiren Filtrenin Performans Analizi**
Yokuş Y. E., Özakin A., AYTEN U. E.
31st IEEE Conference on Signal Processing and Communications Applications, SIU 2023, İstanbul, Turkey, 5 - 08 July 2023
- III. **Breath Tracking System Design with Velostat**
Hancılar U., AYTEN U. E.
2021 Medical Technologies Congress (TIPTEKNO), Antalya, Turkey, 04 November 2021
- IV. **Breath Tracking System Design with Velostat - Velostat ile Nefes Takip Sistemi Tasarımı**
Hancılar Ü., Ayten U. E.
2021 Medical Technologies Congress, TIPTEKNO'21, Antalya, Turkey, 4 - 06 November 2021, pp.1-4
- V. **Regional Resistance Value Optimization of Cerebral Blood Circulation**
Bozkurt S., Ayten U. E.
8th International Conference on Electrical and Electronics Engineering, ICEEE 2021, Antalya, Turkey, 9 - 11 April 2021, pp.234-237
- VI. **Telemetry system for electronic systems Elektronik Sistemler İçin Telemetri Sistemi**
Arslan C., Elaydın Y. E., Salış Z. C., Ayten U. E.
12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.97-102
- VII. **Myelin segmentation in fluorescence microscopy images Floresan mikroskop görüntülerinde miyelin segmentasyonu**
Yetis S., Ekinci D. A., Cakir E., Ekşioğlu E. M., AYTEN U. E., Çapar A., Töreyn B. U., Kerman B. E.
2019 Medical Technologies Congress, TIPTEKNO 2019, İzmir, Turkey, 3 - 05 October 2019
- VIII. **Smart Sensor for Home Appliances**
HAYDAR E., AYTEN U. E., KAHRAMAN N.
2018 6th International Conference on Control Engineering Information Technology (CEIT), 25 - 27 October 2018
- IX. **Diffuz Optik Tomografide Ters Problem ve Genetik Algoritma İle Regülerizasyon Parametresi Seçimi**
UYSAL S., UYSAL H., AYTEN U. E.
4. Uluslararası Bilimsel Araştırmalar Kongresi, Yalova, Turkey, 14 - 17 February 2019, pp.307-318
- X. **DİFFÜZ OPTİK TOMOGRAFİDE TERS PROBLEM VE GENETİK ALGORİTMA İLE REGÜLARİZASYON PARAMETRESİ SEÇİMİ**

Uysal S., Uysal H., Ayten U. E.

4. Uluslararası Bilimsel Araştırmalar Kongresi, Yalova, Turkey, 14 - 17 February 2019, pp.1-4

- XI. **Modular Electrical Control System for Small Scale Underwater Vehicles**
Eren R. K., Alan M. E., Tufan B., Erbil E., Ayten U. E.
CEIT 2018, the 6th International Conference on Control Engineering Information Technology, İstanbul, Turkey, 25 October 2018, pp.1
- XII. **Smart Sensor for Home Appliances**
Haydar E., Ayten U. E., Kahraman N.
CEIT 2018 6th International Conference on Control Engineering Information Technology, İstanbul, Turkey, 25 October 2018, pp.1
- XIII. **Demo: Real-Time Video Frame Differentiator Based on External Memory Interface**
Davutoğlu D., Yıldız N., Tavşanoğlu A. V., Ayten U. E.
CNNA 2018 The 16th International Workshop on Cellular Nanoscale Networks and their Applications, Budapest, Hungary, 28 - 30 August 2018, pp.1
- XIV. **Akım-Modlu Faz İlerlemeli ve Gecikmeli Kompansatör Devresi Tasarımı Design of Current-Mode Lead and Lag Compensator Circuit**
Buzcu Y., Sağbaş M., Ayten U. E.
TOK2018 Otomatik Kontrol Ulusal Toplantısı, Kayseri, Turkey, 12 September 2018, pp.172-176
- XV. **Real-Time Video Frame Differentiator Based on DDR3 SDRAM Memory Interface**
Davutoğlu D., Yıldız N., Tavşanoğlu A. V., Ayten U. E.
CNNA 2018 The 16th International workshop on cellular nanoscale networks and their applications, Budapest, Hungary, 28 August 2018, pp.1-3
- XVI. **The effect of codebook design on the BER performance of MTC systems employing SCMA SCMA kullanılan MTC sistemlerde kod kitabı tasarımının bit hata oranı performansına etkileri**
Tekçe F., Çatak E., Ayten U. E., Durak-Ata L.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XVII. **Elektrikli Araçlar İçin Batarya Yönetim Sistemi Tasarımı**
Gül H. S., Ayten U. E.
9th International Automotive Technologies Congress, Bursa, Turkey, 07 May 2018, pp.1
- XVIII. **Automated Myelin Quantification From Cem to DeepMQ**
ÇİMEN S., ÇAPAR A., Ekinci D. A., AYTEN U. E., TÖREYİN B. U., KERMAN B. E.
Neubias The Bioimage Analysis Community Conference, Szeged, Hungary, 31 January - 02 February 2018, pp.121
- XIX. **DeepMQ: A Deep Learning Approach Based Myelin Quantification in Microscopic Fluorescence Images**
Cimen S., Çapar A., Ekinci D. A., Ayten U. E., Kerman B. E., Töreyn B. U.
European Signal Processing Conference (EUSIPCO), Rome, Italy, 3 - 07 August 2018, pp.61-65
- XX. **Real-time frame buffer implementation based on external memory using FPGA**
Davutoglu D., Yıldız N., Ayten U. E., Tavsanoglu V.
8th International Congress of Information and Communication Technology, ICICT 2018, Xiamen, China, 27 - 28 January 2018, vol.131, pp.641-646
- XXI. **Distance independent weight estimation of eggs from images using artificial neural networks Yapay Sinir Ağları Kullanılarak İmgelerden Yumurta Ağırlının Uzaktan Bağımsız Sezimi**
Şalvarcı U. B., Ayten U. E.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017
- XXII. **New tunable resistorless CM first-order filter based on single CBTA and grounded capacitor**
Herencsar N., Koton J., Sağbas M., Ayten U. E.
59th IEEE International Midwest Symposium on Circuits and Systems, MWSCAS 2016, Abu Dhabi, United Arab Emirates, 16 - 19 October 2016
- XXIII. **Inductance simulator based on dual controlled CMOS voltage differencing current conveyor**
Jerabek J., Sotner R., Prokop R., Kledrowetz V., Kartçı A., Ayten U. E.

59th IEEE International Midwest Symposium on Circuits and Systems, MWSCAS 2016, Abu Dhabi, United Arab Emirates, 16 - 19 October 2016

- XXIV. **Görme Engelliler İçin Engel Mesafe Tespiti Sistemi Obstacle Distance Detection System For Sight-Disabled People**
Kanay N., Ayten U. E.
016 National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 01 December 2016, pp.120-124
- XXV. **Dijital Uydu Alıcılarının Beden Hareketlerinin Ve SesKomutlarının Algılanmasıyla Kontrol Edilip UzaktanErişim İle Kullanım Kolaylığının Sağlanması**
Ağlamış S., Köprülü M., Ayten U. E., Eşit D.
10th Turkish National Software Engineering Symposium, Çanakkale, Turkey, 24 October 2016, pp.420-425
- XXVI. **Design of Wireless Sensor Network for Internet of Things Structure**
Cetin R., Kadioglu T., Cesur E., Ayten U. E.
National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.402-405
- XXVII. **Floating Capacitance Multiplier Simulator for Grounded RC Colpitts Oscillator Design**
Kartçı A., Ayten U. E., Herencsar N., Sotner R., Jerabek J., Vrba K.
2015 International Conference on Applied Electronics, Plzen, Czech Republic, 08 September 2015, pp.93-96
- XXVIII. **Application possibilities of VDCC in general floating element simulator circuit**
Kartci A., AYTEN U. E., Herencsar N., Sotner R., Jerabek J., Vrba K.
European Conference on Circuit Theory and Design, ECCTD 2015, Trondheim, Norway, 24 - 26 August 2015
- XXIX. **Current-Mode Full-Wave Rectifier Circuits Using Current Differencing Buffered Amplifier**
Erkan S., Ayten U. E., Sağbaş M.
Telecommunications and Signal Processing (TSP), 2015 38th International Conference on, Praha, Czech Republic, 9 - 11 July 2015, pp.344-348
- XXX. **Electronically Tunable Universal Biquad Using a Single Active Component**
Sağbaş M., Ayten U. E., Köksal M., Herencsar N.
37th International Conference on Telecommunications and Signal Processing (TSP2014), Praha, Czech Republic, 09 July 2015, pp.698-702
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Metrics

Publication: 92

Citation (WoS): 487

Citation (Scopus): 600

H-Index (WoS): 13

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