

Prof. İBRAHİM SEFA

Personal Information

Office Phone: [+90 +90 312 202 8513](tel:+90+903122028513)

Email: isefa@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/isefa>

International Researcher IDs

ScholarID: ZlmaRfoAAAAJ

ORCID: 0000-0002-2093-683X

Yoksis Researcher ID: 204425

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği (Dr), Turkey 1993 - 1997

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği (YI) (Tezli), Turkey 1992 - 1993

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektrik Pr., Turkey 1981 - 1985

Dissertations

Doctorate, Sliding mode yaklaşımı ile anahtarlamalı relüktans motorun hız kontrolü, Erciyes University, Kamu Yönetimi, Elektronik Mühendisliği (Dr), 1997

Postgraduate, Bilgisayar denetimli güç kaynağı, Erciyes University, Kamu Yönetimi, Elektronik Mühendisliği (YI) (Tezli), 1993

Research Areas

Renewable energy, Electric Motor Drivers, Power Converters, Power Quality

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2011 - 2017

Assistant Professor, Gazi University, Teknik Eğitim Fakültesi, Elektrik Elektronik Eğitimi, 2000 - 2011

Advising Theses

SEFA İ., Displaying Uninterruptible Power Supply Parameters Transferred By Wireless Connection, Postgraduate, S.BEYZA(Student), 2020

SEFA İ., FPGA Tabanlı Çok Kanallı MPPT Denetleyici Tasarımı, Postgraduate, F.KARATEPE(Student), 2019

SEFA İ., Fpga Based Digital Filter Design, Postgraduate, C.Aydın(Student), 2019

SEFA İ., FPGA based digital filter design, Postgraduate, C.AYDIN(Student), 2019

SEFA İ., Design And Implementation Of Gray Wolf Optimization Method Based Maximum Power Point Tracking Algorithm For Photovoltaic Systems, Postgraduate, K.ATICI(Student), 2019

SEFA İ., Sabit mıknatıslı senkron motorlar için hız yörüngesi denetleyicisi tasarımı, Postgraduate, Ç.HİSAR(Student), 2019

SEFA İ., Investigation Of Vibration Effects Caused By Harmonics Medium Frequency Nanocrystalline Core Power Transformers, Doctorate, F.BATTAL(Student), 2019

SEFA İ., Design Of Trajectory Of Velocity Controller For Permanent Magnet Synchrnous Motors, Postgraduate, Ç.Hisar(Student), 2019

SEFA İ., TAHRİK SİSTEMLERİ İÇİN SABİT MIKNATISLI SENKRON MOTOR SÜRÜCÜSÜ TASARIMI VE UYGULAMASI, Postgraduate, Ç.HİSAR(Student), 2018

SEFA İ., Güç sistemi harmoniklerinin gerçek zamanlı olarak belirlenmesi, Doctorate, M.GÖK(Student), 2017

SEFA İ., Implementation Of A High Dynamic Response Static Excitation System For Synchronous Generators, Doctorate, M.BAHA(Student), 2017

SEFA İ., The Analysis, Design And Implementation Of The Medium Frequency Power Transformer With Nanocrystalline Core Material, Doctorate, S.BALCI(Student), 2016

SEFA İ., Elektrikli araçlar için iki fazlı izolesiz faz kaydırmalı çift yönlü da-da dönüştürücü tasarımıve uygulaması, Postgraduate, F.BURAK(Student), 2014

SEFA İ., Implementation of single stage line interactive multilevel inverter for renewable energy sources with mppt capability, Doctorate, Ş.ÖZDEMİR(Student), 2013

SEFA İ., Design and implementation non-isolated interleaved two phase Bi-directional DC-DC converter for electrical vehicles, Postgraduate, F.Burak(Student), 2013

SEFA İ., Design of dynamic reactive power controller, Postgraduate, A.ÖZSAN(Student), 2013

SEFA İ., dsPIC based interleaved converter, Postgraduate, F.BATTAL(Student), 2011

SEFA İ., MODELING AND ANALYSIS OF INVERTER OUTPUT TRANSFORMERS, Postgraduate, S.BALCI(Student), 2010

SEFA İ., Evirici çıkış transformatörlerinin modellenmesi ve analizi, Postgraduate, S.BALCI(Student), 2010

SEFA İ., RESONANT INVERTER APPLICATION WITH PLL CONTROL TECHNIC, Postgraduate, E.ASA(Student), 2009

SEFA İ., Bulanık sinirsel denetimli şebeke etkileşimli evirici tasarımı ve gerçekleştirilmesi, Doctorate, A.NECMİ(Student), 2009

SEFA İ., DESIGN AND IMPLEMENTATION OF A CURRENT SENSORLESS DSP BASED PFC CIRCUIT (Ph. D. Thesis) Nazlıgül SERTLER GAZİ UNIVERSITY INSTITUTE OF SCIENCE AND TECHNOLOGY, Doctorate, N.SERTLER(Student), 2008

SEFA İ., Güneş ve rüzgâr enerjisi kullanılarak şebeke ile paralel çalışabilen hibrit enerji santrali tasarımı ve uygulaması, Doctorate, M.DEMİRTAŞ(Student), 2008

SEFA İ., DESIGN AND IMPELEMANATION OF MICROCONTROLLER BASED MAXSIMUM POWER POINT TRACKER CONVERTER FOR PHOTOVOLTAIC SYSTEMS, Postgraduate, Ş.ÖZDEMİR(Student), 2007

SEFA İ., Mikrodenetleyici kontrollü servo gerilim regülatörünün tasarımı ve uygulaması, Postgraduate, N.BOZKURT(Student), 2006

SEFA İ., Silahlı Kuvvetlerdeki hafif ateşli silah kazalarının nedenleri ve önleme yollarının araştırılması, Postgraduate, H.ATAÇ(Student), 2006

SEFA İ., Asenkron motor ve asenkron generatör parametrelerinin dolaylı metotla çıkarılması, Postgraduate, V.BOZKURT(Student), 2006

SEFA İ., Hava aracı bakımında insan faktörleri, Postgraduate, S.KORAL(Student), 2006

SEFA İ., Otomatik klima tasarımı, Postgraduate, H.TOLGA(Student), 2004

SEFA İ., Üç fazlı şebekelerde mikrodenetleyici kontrollü, ölçüm cihazı yapımı, Postgraduate, Ş.TARAKÇI(Student), 2004

SEFA İ., 18 darbeli doğrultucu tasarımı, Postgraduate, N.ALTIN(Student), 2003

SEFA İ., Mikrodenetleyici kontrollü hat etkileşimli kesintisiz güç kaynağı tasarımı, Postgraduate, N.TORUN(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reliability Analysis of Microgrids: Evaluation of Centralized and Decentralized Control Approaches**
Garip S., Bilgen M., ALTIN N., ÖZDEMİR Ş., SEFA İ.
Electric Power Components and Systems, vol.51, no.19, pp.2319-2338, 2023 (SCI-Expanded)
- II. **Super twisting sliding mode control of three-phase grid-tied neutral point clamped inverters**
ÖZDEMİR Ş., ALTIN N., SEFA İ., Zhang Z., Komurcugil H.

ISA Transactions, vol.125, pp.547-559, 2022 (SCI-Expanded)

- III. **Power electronic transformers: A review**
Battal F., Balci S., SEFA İ.
MEASUREMENT, vol.171, 2021 (SCI-Expanded)
- IV. **Sliding-Mode Control in Natural Frame With Reduced Number of Sensors for Three-Phase Grid-Tied LCL-Interfaced Inverters**
ALTIN N., ÖZDEMİR Ş., Komurcugil H., SEFA İ.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.66, no.4, pp.2903-2913, 2019 (SCI-Expanded)
- V. **An Enhanced Lyapunov-Function Based Control Scheme for Three-Phase Grid-Tied VSI With LCL Filter**
SEFA İ., ÖZDEMİR Ş., Komurcugil H., ALTIN N.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.10, no.2, pp.504-513, 2019 (SCI-Expanded)
- VI. **Comparative study on Lyapunov-function-based control schemes for single-phase grid-connected voltage-source inverter with LCL filter**
SEFA İ., ÖZDEMİR Ş., Komurcugil H., ALTIN N.
IET RENEWABLE POWER GENERATION, vol.11, no.11, pp.1473-1482, 2017 (SCI-Expanded)
- VII. **Fuzzy logic based MPPT controller for high conversion ratio quadratic boost converter**
ÖZDEMİR Ş., ALTIN N., Sefa İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17748-17759, 2017 (SCI-Expanded)
- VIII. **Design and performance analysis of the three-level isolated DC-DC converter with the nanocrystalline core transformer**
ÖZDEMİR Ş., Balci S., ALTIN N., SEFA İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17801-17812, 2017 (SCI-Expanded)
- IX. **Design and analysis of a 35 kVA medium frequency power transformer with the nanocrystalline core material**
Balci S., SEFA İ., ALTIN N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17895-17909, 2017 (SCI-Expanded)
- X. **A static exciter with interleaved buck converter for synchronous generators**
Bayram M. B., SEFA İ., Balci S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17760-17770, 2017 (SCI-Expanded)
- XI. **Maximum Power Point Tracking Algorithms for Partial Shaded PV Systems**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
ENERGY HARVESTING AND ENERGY EFFICIENCY: TECHNOLOGY, METHODS, AND APPLICATIONS, vol.37, pp.261-292, 2017 (SCI-Expanded)
- XII. **Research and Implementation of a USB Interfaced Real-Time Power Quality Disturbance Classification System**
Gok M., SEFA İ.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.17, no.3, pp.61-70, 2017 (SCI-Expanded)
- XIII. **Thermal Behavior of a Medium-Frequency Ferrite-Core Power Transformer**
Balci S., SEFA İ., ALTIN N.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3978-3988, 2016 (SCI-Expanded)
- XIV. **An Investigation of Ferrite and Nanocrystalline Core Materials for Medium-Frequency Power Transformers**
Balci S., SEFA İ., ALTIN N.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3811-3821, 2016 (SCI-Expanded)
- XV. **Preface to the special issue on "3rd European Conference on Renewable Energy Systems (ECRES' 2015), 7-10 October 2015, Kerner, Antalya, Turkey"**
KURT E., SEFA İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.29, pp.12441-12442, 2016 (SCI-Expanded)
- XVI. **Lyapunov-Function and Proportional-Resonant-Based Control Strategy for Single-Phase Grid-Connected VSI With LCL Filter**

- Komurcugil H., ALTIN N., ÖZDEMİR Ş., SEFA İ.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.63, no.5, pp.2838-2849, 2016 (SCI-Expanded)
- XVII. **Sliding-Mode Control for Single-Phase Grid-Connected LCL-Filtered VSI With Double-Band Hysteresis Scheme**
Komurcugil H., ÖZDEMİR Ş., SEFA İ., ALTIN N., Kukrer O.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.63, no.2, pp.864-873, 2016 (SCI-Expanded)
- XVIII. **An Extended Lyapunov-Function-Based Control Strategy for Single-Phase UPS Inverters**
Komurcugil H., ALTIN N., ÖZDEMİR Ş., SEFA İ.
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.30, no.7, pp.3976-3983, 2015 (SCI-Expanded)
- XIX. **Fuzzy PI controlled inverter for grid interactive renewable energy systems**
Sefa İ., Altin N., ÖZDEMİR Ş., KAPLAN O.
IET Renewable Power Generation, vol.9, no.7, pp.729-738, 2015 (SCI-Expanded)
- XX. **Single stage three level grid interactive MPPT inverter for PV systems**
ÖZDEMİR Ş., ALTIN N., SEFA İ.
ENERGY CONVERSION AND MANAGEMENT, vol.80, pp.561-572, 2014 (SCI-Expanded)
- XXI. **Linear model of a novel 5-phase segment type switched reluctance motor**
Uygun D., Bal G., Sefa İ.
Elektronika ir Elektrotehnika, vol.20, no.1, pp.3-7, 2014 (SCI-Expanded)
- XXII. **PV supplied single stage mppt inverter for induction motor actuated ventilation systems**
ÖZDEMİR Ş., Altin N., Sefa İ., Bal G.
Elektronika ir Elektrotehnika, vol.20, no.5, pp.116-122, 2014 (SCI-Expanded)
- XXIII. **dSPACE based adaptive neuro-fuzzy controller of grid interactive inverter**
ALTIN N., SEFA İ.
ENERGY CONVERSION AND MANAGEMENT, vol.56, pp.130-139, 2012 (SCI-Expanded)
- XXIV. **PROVIDING EQUALITY OF FREQUENCIES AND PHASE ANGLES BASED ON MICROCONTROLLER FOR PARALLEL CONNECTION OF GENERATORS**
SEFA İ., BAYINDIR R., Garip I., Bayhan S., Colak I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.1, pp.39-48, 2010 (SCI-Expanded)
- XXV. **30 PULSE RECTIFIER DESIGN FOR GRID INTERFACES OF THE VARIABLE SPEED DRIVES**
SEFA İ., ALTIN N.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.4, pp.675-685, 2009 (SCI-Expanded)
- XXVI. **Application of one-axis sun tracking system**
SEFA İ., DEMİRTAŞ M., Colak I.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.11, pp.2709-2718, 2009 (SCI-Expanded)
- XXVII. **A novel approach to determine the interphase transformer inductance of 18 pulse rectifiers**
SEFA İ., ALTIN N.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.10, pp.2495-2503, 2009 (SCI-Expanded)
- XXVIII. **GRID INTERACTIVE PHOTOVOLTAIC INVERTERS- A REVIEW**
SEFA İ., ALTIN N.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.3, pp.409-424, 2009 (SCI-Expanded)
- XXIX. **MICROCONTROLLER BASED DC/DC BOOST CONVERTER FOR SOLAR ENERGY SYSTEMS**
DEMİRTAŞ M., SEFA İ., IRMAK E., Colak I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.3, pp.719-728, 2008 (SCI-Expanded)
- XXX. **DESIGN AND IMPLEMENTATION OF PARALLEL OPERATION SET OF ALTERNATORS FOR EDUCATIONAL PURPOSE**
SEFA İ., DEMİRTAŞ M., Garip I., Colak I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.3, pp.729-739,

- 2008 (SCI-Expanded)
- XXXI. **Fault detection and protection of induction motors using sensors**
BAYINDIR R., SEFA İ., Colak I., Bektas A.
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.23, no.3, pp.734-741, 2008 (SCI-Expanded)
- XXXII. **Remote controlling and monitoring of HVAC system over Internet**
Colak I., DEMİRBAŞ Ş., SEFA İ., IRMAK E., Kahraman H. T.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.9, pp.680-684, 2008 (SCI-Expanded)
- XXXIII. **A novel control system for air conditioners Klimalar için yeni bir kontrol sistemi**
SEFA İ., Kahraman H. T.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.22, no.3, pp.339-347, 2007 (SCI-Expanded)
- XXXIV. **Novel approach based on microcontroller to online protection of induction motors**
BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, vol.48, no.3, pp.850-856, 2007 (SCI-Expanded)
- XXXV. **On line protection systems for induction motors**
Colak I., Celik H., Sefa İ., DEMİRBAŞ Ş.
ENERGY CONVERSION AND MANAGEMENT, vol.46, no.17, pp.2773-2786, 2005 (SCI-Expanded)
- XXXVI. **Experimental study on reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, vol.45, pp.2371-2391, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design and Control of a Permanent Magnet Assisted Synchronous Reluctance Motor**
Boudjelida L., Hisar Ç., Sefa İ.
International Journal of Automotive Science and Technology, vol.7, no.4, pp.332-339, 2023 (Scopus)
- II. **A Hybrid Overload Current Limiting and Short Circuit Protection Scheme for Voltage Mode Inverters**
Koseoglu C., ALTIN N., Zengin F., Kelebek H., SEFA İ.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.10, no.1, pp.407-415, 2020 (ESCI)
- III. **Doğrusal Olmayan Yük Koşullarında Çalışan Kuru Tip Transformatörlerin Titreşim Etkileri Üzerine Bir Analiz**
BATTAL F., SEFA İ., BALCI S.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.7, no.3, pp.729-740, 2019 (Peer-Reviewed Journal)
- IV. **32 Bit ARM İşlemci ile Hız Denetimi Yapılan Bir DA Motorun Android Arayüzü Olan Bir Cihaz Üzerinden Uzaktan Kontrolü ve İzlenmesi**
ALTIN N., SEFA İ., ÖZDEMİR Ş., zeki z.
Bilişim Teknolojileri Dergisi, vol.8, no.3, 2015 (Peer-Reviewed Journal)
- V. **Design of the AC Line Reactors With Finite Element Method**
SEFA İ., Balci S., ALTIN N.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.18, no.4, pp.257-267, 2015 (ESCI)
- VI. **Sonlu Elemanlar Metodu ile AA Hat Reaktörlerinin Tasarımı**
SEFA İ., selami b., ALTIN N.
Gazi Üniversitesi Politeknik Dergisi, vol.18, no.4, pp.257-267, 2015 (Peer-Reviewed Journal)
- VII. **dSAPCE Based Fuzzy Logic Controlled Boost Converter**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
Electronics and Computer Science, Scientific Bulletin, vol.2, no.8, pp.36-41, 2009 (Peer-Reviewed Journal)
- VIII. **Güneş Enerjisi Kaynaklı LED Armatür Tasarımı**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRTAŞ M.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.10, no.4, pp.347-352, 2007 (Peer-Reviewed Journal)

IX. Bilgisayar Kontrollü Güneş Takip Sisteminin Tasarımı ve Uygulaması

ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRTAŞ M.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.9, no.4, pp.247-253, 2006 (Peer-Reviewed Journal)

X. Dynamic response of a simple rotor resistance compensation method for field-oriented induction motor

BAL G., ELMAS Ç., Colak I., SEFA İ.

vol.1, pp.386-389, 1994 (Scopus)

Books & Book Chapters

I. Maximum Power Point Tracking Algorithms for Partial Shaded PV Systems

SEFA İ., ALTIN N., ÖZDEMİR Ş.

in: Energy Harvesting and Energy Efficiency, Erol Kurt, Editor, Springer International Publishing AG, pp.261-292, 2017

Refereed Congress / Symposium Publications in Proceedings

I. An Improved Fast Terminal Sliding Mode Control for Step-Down Converter

HİSAR Ç., BALTA G., ALTIN N., SEFA İ.

2023 15th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Romania, 29 June 2023

II. Fixed-Frequency Sliding Mode Control in Synchronous Reference Frame for Three-Phase LCL Filtered Active Front-End Converter

HİSAR Ç., SEFA İ., ALTIN N.

20th International Power Electronics and Motion Control Conference (PEMC), Brasov, Romania, 25 - 28 October 2022, pp.295-300

III. Sliding Mode Control in Natural Reference Frame for Three-Phase LCL Filtered Active Front-End Converter

HİSAR Ç., SEFA İ., ALTIN N.

14th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2022, Ploiesti, Romania, 30 June - 01 July 2022

IV. Second-Order Sliding Mode Control of Three-Phase Three-Level Grid-Connected Neutral Point Clamped Inverters

ALTIN N., ÖZDEMİR Ş., SEFA İ., KÖMÜRCÜĞİL H.

International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 01 July 2021

V. A Hybrid Overload Current Limiting and Short Circuit Protection Scheme: A Case Study on UPS Inverter

Köseoğlu C., ALTIN N., Zengin F., Kelebek H., SEFA İ.

ICRERA 2019 8TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Brasov, Romania, 3 - 06 November 2019, pp.1-6

VI. An Analysis of High Power Inductor Vibration Behavior in Terms of Air Gaps

BATTAL F., BALCI S., SEFA İ.

2019 International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), Istanbul, Turkey, Turkey, 26 - 27 August 2019

VII. LYAPUNOV-FUNCTION AND SLIDING MODE CONTROLLER BASED CONTROL OPTIONS FOR GRID-CONNECTED INVERTERS

SEFA İ.

International Conference on Power Generation Systems and Renewable Energy Technologies, İstanbul, Turkey, 26 - 27 August 2019

- VIII. **A Modified Lyapunov-Function Based Control Scheme for Two-Leg Three-Level T-Type Grid-Tied Inverter with LCL Filter**
ALTIN N., ÖZDEMİR Ş., SEFA İ., Komurcugil H.
4th International Conference on Power Electronics and their Applications (ICPEA), Elazığ, Turkey, 25 - 27 September 2019
- IX. **LYAPUNOV-FUNCTION-BASED CONTROL OPTIONS FOR GRID-CONNECTED INVERTERS**
SEFA İ.
11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 27 - 29 June 2019
- X. **FPGA Implementation of Multichannel FIR Filters**
Aydin C., SEFA İ.
11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 27 - 29 June 2019
- XI. **Grey Wolf Optimization Based MPPT Algorithm for Solar PV System with SEPIC Converter**
Atici K., SEFA İ., ALTIN N.
4th International Conference on Power Electronics and their Applications (ICPEA), Elazığ, Turkey, 25 - 27 September 2019
- XII. **A Modified Lyapunov-Function Based Control Scheme for Three-Phase Three-Level Two-Leg Grid-Tied NPC Inverter**
ALTIN N., SEFA İ., Komurcugil H., ÖZDEMİR Ş.
7th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), İstanbul, Turkey, 25 - 26 April 2019, pp.218-222
- XIII. **Sliding-mode and proportional-resonant based control strategy for three-phase two-leg T-type grid-connected inverters with LCL filter**
ALTIN N., ÖZDEMİR Ş., Komurcugil H., Sefaand İ., Biricik S.
44th Annual Conference of the IEEE Industrial Electronics Society, IECON 2018, Washington, United States Of America, 20 - 23 October 2018, pp.4492-4497
- XIV. **A Comparative Vibration Analysis of Induction Motor and Synchronous Reluctance Motor**
BATTAL F., BUDJELIDA L., SEFA İ.
3rd International ISIDE Conference on Industrial Design and Engineering, Antalya, Turkey, 22 - 24 November 2018
- XV. **FEA yazılımı ile Asenkron Motor ve Senkron Relüktans Motorun Karşılaştırmalı Isıl Benzetimi**
BALCI S., BUDJELIDA L., SEFA İ.
3'rd International Symposium on Industrial Design Engineering, Antalya, Turkey, 22 - 24 November 2018
- XVI. **Bidirectional Three-Phase Two-Leg Inverter with PR Current Controller**
ÖZDEMİR Ş., SEFA İ., BALCI S., ALTIN N.
7th International Conference on Advanced Technologies (ICAT'xx18), Antalya, Turkey, 28 April - 01 May 2018
- XVII. **Mesh Quality Effects of the FEA Simulation Applied on a Transformer**
BALCI S., SEFA İ., ALTIN N., ÖZDEMİR Ş.
7th International Conference on Advanced Technologies (ICAT'xx18), Antalya, Turkey, 28 April - 01 May 2018
- XVIII. **Three-Phase Three-Level T-type Grid-Connected Inverter with Reduced Number of Switches**
ALTIN N., SEFA İ., Komurcugil H., ÖZDEMİR Ş.
6th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), İstanbul, Turkey, 25 - 26 April 2018, pp.58-62
- XIX. **An Analysis on Cooling Requirements of the High Power Medium Frequency Inductors**
Balci S., SEFA İ., ALTIN N., ÖZDEMİR Ş.
12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Doha, Qatar, 10 - 12 April 2018
- XX. **Two-Stage Grid-Connected Inverter for PV Systems**
ALTIN N., ÖZDEMİR Ş., Komurcugil H., SEFA İ., Biricik S.

12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG), Doha, Qatar, 10 - 12 April 2018

- XXI. **Identification of Mechanical Parameters for the Switched Reluctance Motor**
ÜSTÜN O., ÖNDER M., SEFA İ.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.593-599
- XXII. **Sliding Mode Control of Three-Phase Three-Level Two-Leg NPC Inverter with LCL Filter for Distributed Generation Systems**
ÖZDEMİR Ş., ALTIN N., Komurcugil H., SEFA İ.
44th Annual Conference of the IEEE Industrial-Electronics-Society (IECON), Washington, Kiribati, 20 - 23 October 2018, pp.3895-3900
- XXIII. **Over Excitation Limiter for Synchronous Generators with LabVIEW**
Bayram M. B., SEFA İ., Balci S.
18th IEEE International Power Electronics and Motion Control Conference (IEEE PEMC), Budapest, Hungary, 26 - 30 August 2018, pp.411-415
- XXIV. **Plc ile Kartezyen Robot Kontrolü**
KAVURUR A., SEFA İ.
UMYOS 2017, Sarajevo, Bosnia And Herzegovina, 18 - 20 May 2017, pp.319-322
- XXV. **An Investigation On Coupled Inductors of Quadratic Boost Converters**
BALCI S., SEFA İ., ÖZDEMİR Ş., ALTIN N.
European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.507-513
- XXVI. **Series-Parallel Resonant Converter With Current Limiting Ability For Renewable Energy Source**
ALTIN N., ÖZDEMİR Ş., BALCI S., SEFA İ.
European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.483-488
- XXVII. **Loss Behaviour of the Dry-type Power Transformer According to the Load Type**
BALCI S., BATTAL F., SEFA İ., Bayram M. B., ÖZDEMİR Ş., ALTIN N.
European Conference on Renewable Energy Systems, Saraybosna, Bosnia And Herzegovina, 27 - 30 August 2017, pp.49
- XXVIII. **Inductance and Loss Behaviors of Medium Frequency High Power Gapped Core Inductors**
BALCI S., Bayram M. B., ALTIN N., SEFA İ.
5th International Conference on Advanced TechnologySciences (ICAT), İstanbul, Turkey, 9 - 12 May 2017
- XXIX. **A Labview Based Volt/Hertz Controller for Synchronous Generator Excitation Systems**
Bayram M. B., SEFA İ.
58th IEEE International Scientific Conference on Power and Electrical Engineering of Riga-Technical-University (RTUCON), Riga, Latvia, 12 - 13 October 2017
- XXX. **Design and Loss Analysis of LCL Filter Inductors for Two-Level and Three-Level Inverters**
SEFA İ., ALTIN N., ÖZDEMİR Ş., Balci S., Bayram M. B., Kelebek H.
International Conference on Applied Electronics (AE), Pilsen, Czech Republic, 5 - 06 September 2017, pp.211-215
- XXXI. **Three-Phase Three-Level Inverter with Reduced Number of Switches for Stand-Alone PV Systems**
SEFA İ., Komurcugil H., DEMİRBAŞ Ş., ALTIN N., ÖZDEMİR Ş.
6th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), California, United States Of America, 5 - 08 November 2017, pp.1115-1120
- XXXII. **AN INTERLEAVED BUCK CONVERTER FOR EXCITATION SYSTEM OF SYNCHRONOUS GENERATORS**
Bayram M. B., SEFA İ., Balci S.
ECRES - 4. European Conference on Renewable Energy Systems, İstanbul, Turkey, 28 - 31 August 2016, pp.891-902
- XXXIII. **DESIGN OF THE MEDIUM FREQUENCY POWER TRANSFORMER WITH SOFT MAGNETIC MATERIAL**
Balci S., SEFA İ., ALTIN N.
ECRES - 4. European Conference on Renewable Energy Systems, İstanbul, Turkey, 28 - 31 August 2016, pp.832-

- XXXIV. **Three Level Isolated DC DC Converter For High Power Applications**
 ÖZDEMİR Ş., Balcı S., ALTIN N., SEFA İ.
 ECRES – 4. European Conference on Renewable Energy Systems, İstanbul, Turkey, 28 - 31 August 2016, pp.872-877
- XXXV. **MPPT Capable Quadratic Boost Converter for PV Systems**
 ÖZDEMİR Ş., ALTIN N., SEFA İ.
 ECRES – 4. European Conference on Renewable Energy Systems, İstanbul, Turkey, 28 - 31 August 2016, pp.826-831
- XXXVI. **A Modified Lyapunov-Function Based Control Strategy for Three-Phase Grid-Connected VSI with LCL Filter**
 Komurcugil H., ÖZDEMİR Ş., ALTIN N., SEFA İ.
 42nd Annual Conference of the IEEE-Industrial-Electronics-Society (IECON), Florence, Italy, 24 - 27 October 2016, pp.2218-2223
- XXXVII. **Sliding-Mode and Proportional-Resonant Based Control Strategy for Three-Phase Grid-Connected LCL-Filtered VSI**
 Komurcugil H., ALTIN N., ÖZDEMİR Ş., SEFA İ.
 42nd Annual Conference of the IEEE-Industrial-Electronics-Society (IECON), Florence, Italy, 24 - 27 October 2016, pp.2396-2401
- XXXVIII. **Performance Analysis of Interleaved Quadratic Boost Converter with Coupled Inductor for Fuel Cell Applications**
 Balci S., ALTIN N., Komurcugil H., SEFA İ.
 42nd Annual Conference of the IEEE-Industrial-Electronics-Society (IECON), Florence, Italy, 24 - 27 October 2016, pp.3541-3546
- XXXIX. **Investigation of The Thermal Behaviour of The Ferrite Core for Medium Frequency Applications**
 balcı s., SEFA İ., ALTIN N.
 3. European Conference on Renewable Energy Systems (ECRES), Antalya, Turkey, 7 - 10 October 2015
- XL. **An Investigation of Ferrite And Nanocrystalline Core Materials for Medium Frequency Transformers**
 balcı s., SEFA İ., ALTIN N.
 3. European Conference on Renewable Energy Systems (ECRES), Antalya, Turkey, 7 - 10 October 2015
- XLI. **Economic analysis of the absence of reactive power compensation for residential distribution transformers**
 hasan veysel d., SEFA İ.
 Third European Conference on Renewable Energy Systems – ECRES 2015, 7 - 10 October 2015
- XLII. **Investigation of the thermal behaviour of the ferrite core for medium frequency transformer applications**
 selami b., SEFA İ., ALTIN N.
 ECRES 2015, 3th European Conference on Renewable Energy Systems, Antalya, Turkey, 7 - 10 October 2015, pp.1-10
- XLIII. **Paralel Hesaplama Kullanarak Harmonik Analizi**
 SEFA İ., BATTAL F.
 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı SİU 2015, Malatya, Turkey, 16 - 18 May 2015
- XLIV. **A Harmonic Analysis using Parallel Computing**
 SEFA İ., Battal F.
 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1965-1968
- XLV. **Design of a Real-Time USB Interfaced Multi-Channel Power System Harmonics Detection System**
 Gok M., Gorgunoglu S., SEFA İ.
 9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.521-524
- XLVI. **Three-Phase Multilevel Grid Interactive Inverter for PV Systems with Reactive Power Support**

Capability

ÖZDEMİR Ş., Bayhan S., SEFA İ., ALTIN N.

First Workshop on Smart Grid and Renewable Energy (SGRE), Doha, Qatar, 22 - 23 March 2015

- XLVII. **Core Material Investigation of Medium-Frequency Power Transformers**
Balci S., SEFA İ., Bayram M. B.
16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Turkey, 21 - 24 September 2014, pp.861-866
- XLVIII. **A Comparative Study of Nanocrystalline and SiFe Core Materials for Medium-Frequency Transformers**
SEFA İ., Balci S., Bayram M. B.
6th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 23 - 25 October 2014
- XLIX. **Z Source Inverter for Renewable Energy Systems**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
II. The European Workshop & Conference on Renewable Energy Systems, EWRES & ECRES, Antalya, Turkey, 20 - 30 November 2013, pp.1-6
- L. **PLL control technique of LLC resonant converter for EVs battery charger**
Asa E., Colak K., Czarkowski D., De Leon F., SEFA İ.
2013 4th International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2013, İstanbul, Turkey, 13 - 17 May 2013, pp.1382-1386
- LI. **FEM based parametric analysis of AC line reactors Power Engineering**
balcı s., ALTIN N., ÖZDEMİR Ş., SEFA İ.
IEEE 4. International Conference on Energy and Electrical Drives (POWERENG'2013), İstanbul, Turkey, 13 - 17 May 2013, pp.1328-1333
- LII. **Modeling and implementation of dsPIC based interleaved buck converter**
SEFA İ., BATTAL F., balcı s.
IEEE- Fourth International Conference on Power Engineering, Energy and Electrical Drives (POWERENG), İstanbul, Turkey, 13 - 17 May 2013, pp.1652-1657
- LIII. **FEM based parametric analysis of AC line reactors**
BALCI S., ALTIN N., ÖZDEMİR Ş., SEFA İ.
4th International Conference on Power Engineering, Energy and Electrical Drives, Istanbul, Turkey, 13 - 17 May 2013, pp.1328-1333
- LIV. **Power Quality Analyzer for Three Phase Systems**
SEFA İ., ALTIN N., Asa E., Colak K.
International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, pp.1222-1227
- LV. **A Comparison of Single and Three Phase DC/DC Converter Structures for Battery Charging**
ALTIN N., Balci S., ÖZDEMİR Ş., SEFA İ.
International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20 - 23 October 2013, pp.1228-1233
- LVI. **A Comprehensive Analysis of Inductors for Interleaved Buck Converter**
SEFA İ., balcı s., ALTIN N., ÖZDEMİR Ş.
IEEE 15th International Power Electronics and Motion Control Conference and Exposition, Novi-Sad, Serbia, 4 - 06 November 2012, pp.1-6
- LVII. **Single Stage Three Level MPPT Inverter for Solar Supplied Systems**
ÖZDEMİR Ş., ALTIN N., SEFA İ.
IEEE 21th International Symposium on Power Electronics, Electrical Drives, Automation and Motion, Sorrento, Italy, 20 - 22 June 2012, pp.103-108
- LVIII. **Dynamic Reactive Power Compensation System for Wind Turbines**
SEFA İ., özsan a., ALTIN N., GÖRGÜNOĞLU S., ÖZDEMİR Ş.
7. International Conference and Exhibition on Ecological Vehicles and Renewable Energies, EVER'12, manako,

FRANSA GÜNEY BÖLGESİ, 22 - 24 May 2012, pp.1-6

- LIX. **Simulation of Neuro Fuzzy Controlled Grid Interactive Inverter**
ALTIN N., SEFA İ.
XXIII International Symposium on Information, Communication and Automation Technologies, saraybosna, Bosnia And Herzegovina, 27 - 29 October 2011, pp.1-7
- LX. **Core losses of pwm excited inverter transformers with finite element method**
SEFA İ., balcı s., ALTIN N., ÖZDEMİR Ş.
7th International Conference on Technical and Physical Problems of Power Engineering TPE-2011, Lefkoşa, Cyprus (Kkct), 7 - 09 July 2011, pp.1-6
- LXI. **An Implementation of Grid Interactive Inverter with Reactive Power Support Capability for Renewable Energy Sources**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
III. IEEE International Conference on Power Engineering Energy and Electrical Drives, Malaga, Spain, 11 - 13 May 2011, pp.1-6
- LXII. **A Microcontroller Based Power Units for Dynamic Reactive Power Compensation Systems**
SEFA İ., abduallah ö., ALTIN N., GÖRGÜNOĞLU S., açığöz a. m.
7th International Conference on "Technical and Physical Problems of Power Engineering, Cyprus (Kkct), 7 - 09 July 2011
- LXIII. **A Three Level Inverter for Grid Connected Renewable Energy Systems**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
5. International Conference and Exhibition on Ecological Vehicles and Renewable Energies, monako grimaldi, FRANSA GÜNEY BÖLGESİ, 25 - 27 March 2010, pp.10-334
- LXIV. **Multifunctional Interleaved Boost Converter for PV Systems**
SEFA İ., ÖZDEMİR Ş.
IEEE International Symposium on Industrial Electronics (ISIE), Bari, Italy, 4 - 07 July 2010, pp.951-956
- LXV. **Three Phase Grid Interactive Inverter for Renewable Energy Sources**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
5th International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009, pp.226-230
- LXVI. **Simulation of Parallel Connected DC DC Boost Converter for Hybrid Energy Sources**
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- LXVII. **Simulation of Speed Control for Travelling Wave Ultrasonic Motor**
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- LXVIII. **Application of Microcontroller Based Meteorology Station**
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- LXIX. **18 PULSE CONTROLLED RECTIFIER: A CASE STUDY ON UPS**
SEFA İ., ALTIN N., Colak I., ÖZDEMİR Ş.
13th European Conference on Power Electronics and Applications (EPE 2009), Barcelona, Spain, 8 - 10 September 2009, pp.2935-2936
- LXX. **Experimental Study of Interleaved MPPT Converter for PV Systems**
SEFA İ., ÖZDEMİR Ş.
35th Annual Conference of the IEEE-Industrial-Electronics-Society, Porto, Portugal, 3 - 05 November 2009, pp.422-423
- LXXI. **MATLAB Tabanlı Bir Enerji Kalitesi Simülâtörü**
SEFA İ., ALTIN N., erdem a.
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 26 - 30 November 2008
- LXXII. **dSPACE based control of voltage source utility interactive inverter**
Sefa İ., Altin N., ÖZDEMİR Ş., DEMİRTAŞ M.
SPEEDAM 2008 - International Symposium on Power Electronics, Electrical Drives, Automation and Motion, Ischia,

Italy, 11 - 13 June 2008, pp.662-666

- LXXIII. **Simulation of Fuzzy Logic Controlled Grid Interactive Inverter**
SEFA İ., ALTIN N.
4th International Conference on Technical and Physical Problems of Power Engineering, Pitesti, Romania, 4 - 06 September 2008, pp.30-35
- LXXIV. **A User Friendly Educational Tool for Observing Synchronous Motor Operation Conditions**
BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ÇOLAK İ., GÖRGÜN A.
4. International Conference on Technical and Physical Problems in Power Engineering, 4 - 06 September 2008
- LXXV. **dSAPCE Based Fuzzy Logic Controlled Boost Converter**
SEFA İ., ALTIN N., ÖZDEMİR Ş.
International Conference on Technical and Physical Problems of Power Engineering, Pitesti, Romania, 4 - 06 September 2008, pp.36-41
- LXXVI. **Low-Cost and High Sensitive Microcontroller Based Data Acquisition System for Renewable Energy Sources**
DEMİRTAŞ M., SEFA İ., IRMAK E., Colak I.
International Symposium on Power Electronics, Electrical Drives, Automation and Motion, Ischia, Italy, 11 - 13 June 2008, pp.196-199
- LXXVII. **Building of W&S Energy System**
DEMİRBAŞ Ş., DEMİRTAŞ M., SEFA İ., Colak I.
International Symposium on Power Electronics, Electrical Drives, Automation and Motion, Ischia, Italy, 11 - 13 June 2008, pp.1466-1469
- LXXVIII. **Protection of induction motor using PLC**
Colak I., BAYINDIR R., Bektas A., Sefa İ., Bal G.
International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2007, Setúbal, Portugal, 12 - 14 April 2007, pp.96-99
- LXXIX. **Developing of a control unit for the parallel operation of AC generators**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., BAL G.
3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006, pp.134-137
- LXXX. **Remote Control Of DC Motor Over the Internet**
ÇOLAK İ., DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R.
3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006, pp.216-219
- LXXXI. **Microcontroller based protection of induction motors**
ÇOLAK İ., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ., BAL G.
3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006, pp.164-167
- LXXXII. **Microcontroller Based Line Interactive Uninterruptible Power Supply**
SEFA İ., torun n.
TPE-2006 3rd Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006
- LXXXIII. **Simulation of Current Controlled Grid Interactive Inverter**
SEFA İ., ALTIN N.
TPE-2006 3rd Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006
- LXXXIV. **Hibrit Enerji Sistemleri İçin Paralel Çalışabilen Boost Konvertör Simülasyonu**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRBAŞ Ş., DEMİRTAŞ M.
VI. Ulusal Temiz Enerji Sempozyumu-UTES'2006, Isparta, Turkey, 25 - 27 May 2006
- LXXXV. **Güneş Pillerinin Elektrik Enerjisi Üretiminde Kullanımı**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRBAŞ Ş., DEMİRTAŞ M.
VI. Ulusal Temiz Enerji Sempozyumu-UTES'2006, Isparta, Turkey, 25 - 27 May 2006

- LXXXVI. **Temel Elektrik Devrelerinin Analizi için İnternet Tabanlı Bir Eğitim Aracı**
ÇOLAK İ., IRMAK E., SEFA İ., DEMİRBAŞ Ş., BAYINDIR R.
6th International Educational Technology Conference, FAMAGUSTA, Cyprus (Kktc), 19 - 21 April 2006, pp.446-451
- LXXXVII. **Açık veya Kapalı Döngü Denetim Sistemlerinin Web Tabanlı Benzetimi**
ÇOLAK İ., IRMAK E., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
6 th International Educational Technology Conference, Eastern Mediterranean University, Gazimagusa, Cyprus (Kktc), 19 - 21 April 2006, pp.446-451
- LXXXVIII. **Açık ve Kapalı Döngü Denetim Sistemlerinin Web Tabanlı Benzetimi**
ÇOLAK İ., IRMAK E., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
6. International Educational Technology Conference, 19 - 21 April 2006
- LXXXIX. **Doğru Akım Motorlarının Web Tabanlı Modellenmesi ve Analizi**
DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R., ÇOLAK İ.
Bilimde Modern Yöntemler Sempozyumu, Turkey, 16 - 18 November 2005
- XC. **Bulanık Mantık Denetimli Senkron Motor İle Reaktif Güç Kompanzasyonu Benzetimi**
BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ÇOLAK İ.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005
- XCI. **Doğru Akım Motorunun Web Tabanlı Modellenmesi ve Analizi**
DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R., ÇOLAK İ.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005
- XCII. **Alternatif Enerji Kaynaklarının Kullanımı**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ergen h.
III. Yenilenebilir Enerji Kaynakları Sempozyumu ve Sergisi, Mersin, Turkey, 19 - 21 October 2005
- XCIII. **Güneş Takip Sistemi Tasarım ve Uygulaması**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., DEMİRTAŞ M.
1. Enerji Verimliliği ve Kalite Sempozyumu, TMMOB Elektrik Mühendisleri Odası Kocaeli Şubesi, Turkey, 17 - 18 May 2005, pp.301-305
- XCIV. **Sanayide Enerji Verimliliği**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., arslan c.
1. Enerji Verimliliği ve Kalite Sempozyumu, TMMOB Elektrik Mühendisleri Odası Kocaeli Şubesi, Kocaeli, Turkey, 17 - 18 May 2005, pp.336-339
- XCV. **Design of A Hybrid Energy Power System Using Solar and Wind Power**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRTAŞ M.
2nd International Conference on Technical and Physical Problems in Power Engineering, Tebriz, Iran, 15 - 19 September 2004
- XCVI. **Design and Hybrid Energy Power System Using Solar and Wind Energy**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRTAŞ M.
2nd International Conference on Technical and Physical Problems in Power Engineering, tebriz, Iran, 2 - 08 September 2004, pp.776-778
- XCVII. **Sliding Mode Kontrol Yaklaşımı ile Anahtarlama Relüktans Motorun Hız Kontrolü**
SEFA İ., ELMAS Ç., ÖZER Ş.
Elektrik Elektronik Bilgisayar Mühendisliği 7. Ulusal Kongresi, Ankara, Turkey, 8 - 14 September 1997, pp.446-449

Supported Projects

SEFA İ., Industrial Thesis Project, Dinamik Reaktif Güç Rölesi ve Kompanzasyon Sistemi Üretimi, 2009 - 2011

SEFA İ., Project Supported by Higher Education Institutions, Güneş Pili Kaynaklı Aydınlatma Armatürü Tasarım ve Uygulaması, 2007 - 2008

SEFA İ., Project Supported by Higher Education Institutions, DSP Tabanlı Şebeke Etkileşimli Evirici Tasarım ve Uygulaması, 2006 - 2008

Metrics

Publication: 150

Citation (WoS): 1353

Citation (Scopus): 1822

H-Index (WoS): 18

H-Index (Scopus): 22