

Prof.Dr. NECMİ ALTIN

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Türkiye 2003 - 2009

Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), Türkiye 2000 - 2003

Lisans, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Türkiye 1996 - 2000

Yaptığı Tezler

Doktora, Bulanık sinirsel denetimli şebeke etkileşimli evirici tasarımı ve gerçekleştirilmesi, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), 2009

Yüksek Lisans, 18 darbeli doğrultucu tasarımı, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), 2003

Araştırma Alanları

Güç Elektroniği, Elektrik Motoru Sürücüler, Güç Aygıtları (trafolar, reaktörler, şalt teçhizatı v.b.), Güç Çevirgeçleri

Akademik Unvanlar / Görevler

Prof.Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2020 - Devam Ediyor

Doç.Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2014 - 2020

Yrd.Doç.Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2012 - 2014

Yrd.Doç.Dr., Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 2010 - 2012

Akademik İdari Deneyim

Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2015 - Devam Ediyor

Gazi Üniversitesi, Bilişim Enstitüsü, 2012 - 2014

Yönetilen Tezler

ALTIN N., Deniz Araçları İçin İki Eksenli Bir Görüş Hattı Stabilizasyon Sistemi Tasarımı, Yüksek Lisans, M.Sarp(Öğrenci), 2017

ALTIN N., Elektrikli araç için endüktif manyetik bağlı güç aktarım sistemi tasarımı, Yüksek Lisans, Ş.KUZEY(Öğrenci), 2017

ALTIN N., Deniz araçları için iki eksenli bir görüş hattı stabilizasyon sistemi tasarımı, Yüksek Lisans, M.SARP(Öğrenci), 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design and Implementation of a LLC Resonant Solid-State Transformer**
Rashidi M., ALTIN N., Ozdemir Ş., Bani-Ahmed A., Sabbah M., Balali F., Nasiri A.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.56, sa.4, ss.3855-3864, 2020 (SCI İndekslerine Giren Dergi)
- II. **Analysis and Design of the LLC Resonant Converter With Variable Inductor Control Based on Time-Domain Analysis**
Wei Y., Luo Q., Du X., ALTIN N., Alonso J. M., Mantooth H. A.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.67, sa.7, ss.5432-5443, 2020 (SCI İndekslerine Giren Dergi)
- III. **A Dual Half-Bridge LLC Resonant Converter With Magnetic Control for Battery Charger Application**
Wei Y., Luo Q., Du X., ALTIN N., Nasiri A., Marcos Alonso J.
IEEE TRANSACTIONS ON POWER ELECTRONICS, cilt.35, sa.2, ss.2196-2207, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Design and Development of a High-Frequency Multiport Solid-State Transformer With Decoupled Control Scheme**
Rashidi M., ALTIN N., ÖZDEMİR Ş., Bani-Ahmed A., Nasiri A.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, cilt.55, sa.6, ss.7515-7526, 2019 (SCI İndekslerine Giren Dergi)
- V. **Comparison among different analysis methodologies for LLC resonant converter**
Wei Y., Luo Q., Chen S., Sun P., ALTIN N.
IET POWER ELECTRONICS, cilt.12, sa.9, ss.2236-2244, 2019 (SCI İndekslerine Giren Dergi)
- VI. **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, cilt.10, sa.2, ss.504-513, 2019 (SCI İndekslerine Giren Dergi)
- VII. **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, cilt.66, sa.4, ss.2903-2913, 2019 (SCI İndekslerine Giren Dergi)
- VIII. **Neural Modeling of Fuzzy Controllers for Maximum Power Point Tracking in Photovoltaic Energy Systems**
Manuel Lopez-Guede J., Ramos-Hernanz J., ALTIN N., ÖZDEMİR Ş., KURT E., Azkune G.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.8, ss.4519-4532, 2018 (SCI İndekslerine Giren Dergi)
- IX. **The Type-2 Fuzzy Logic Controller-Based Maximum Power Point Tracking Algorithm and the Quadratic Boost Converter for Pv System**
ALTIN N.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.8, ss.4475-4485, 2018 (SCI İndekslerine Giren Dergi)
- X. **A Combined Energy Management Algorithm for Wind Turbine/Battery Hybrid System**
ALTIN N., EYİMAYA S. E.
JOURNAL OF ELECTRONIC MATERIALS, cilt.47, sa.8, ss.4430-4436, 2018 (SCI İndekslerine Giren Dergi)
- XI. **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, cilt.11, sa.11, ss.1473-1482, 2017 (SCI İndekslerine Giren Dergi)
- XII. **Preface to the special issue on "The 4th European Conference on Renewable Energy Systems (ECRES 2016), 28-31 August 2016, Istanbul, Turkey"**
KURT E., Bizon N., ALTIN N., AKIN B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17559-17560, 2017 (SCI İndekslerine Giren Dergi)

- XIII. **Design and analysis of a wireless power transfer system with alignment errors for electrical vehicle applications**
KUZEY Ş., Balci S., ALTIN N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17928-17939, 2017 (SCI İndekslerine Giren Dergi)
- XIV. **Fuzzy logic based MPPT controller for high conversion ratio quadratic boost converter**
ÖZDEMİR Ş., ALTIN N., Sefa İ.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.28, ss.17748-17759, 2017 (SCI İndekslerine Giren Dergi)
- XV. **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, cilt.42, sa.28, ss.17801-17812, 2017 (SCI İndekslerine Giren Dergi)
- XVI. **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, cilt.42, sa.28, ss.17895-17909, 2017 (SCI İndekslerine Giren Dergi)
- XVII. **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, cilt.37, ss.261-292, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **Exploration of optimal design and performance of a hybrid wind-solar energy system**
Bouzelata Y., ALTIN N., Chenni R., KURT E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.29, ss.12497-12511, 2016 (SCI İndekslerine Giren Dergi)
- XIX. **An Investigation of Ferrite and Nanocrystalline Core Materials for Medium-Frequency Power Transformers**
Balci S., SEFA İ., ALTIN N.
JOURNAL OF ELECTRONIC MATERIALS, cilt.45, sa.8, ss.3811-3821, 2016 (SCI İndekslerine Giren Dergi)
- XX. **Thermal Behavior of a Medium-Frequency Ferrite-Core Power Transformer**
Balci S., SEFA İ., ALTIN N.
JOURNAL OF ELECTRONIC MATERIALS, cilt.45, sa.8, ss.3978-3988, 2016 (SCI İndekslerine Giren Dergi)
- XXI. **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, cilt.63, sa.5, ss.2838-2849, 2016 (SCI İndekslerine Giren Dergi)
- XXII. **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, cilt.63, sa.2, ss.864-873, 2016 (SCI İndekslerine Giren Dergi)
- XXIII. **Design and simulation of a unified power quality conditioner fed by solar energy**
Bouzelata Y., KURT E., Chenni R., ALTIN N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.44, ss.15267-15277, 2015 (SCI İndekslerine Giren Dergi)
- XXIV. **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, cilt.30, sa.7, ss.3976-3983, 2015 (SCI İndekslerine Giren Dergi)
- XXV. **Design and simulation of a solar supplied multifunctional active power filter and a comparative**

study on the current-detection algorithms

Bouzelata Y., KURT E., ALTIN N., Chenni R.

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.43, ss.1114-1126, 2015 (SCI İndekslerine Giren Dergi)

- XXVI. **Fuzzy PI controlled inverter for grid interactive renewable energy systems**
Sefa İ., Altin N., ÖZDEMİR Ş., KAPLAN O.
IET Renewable Power Generation, cilt.9, sa.7, ss.729-738, 2015 (SCI Expanded İndekslerine Giren Dergi)
- XXVII. **Single stage three level grid interactive MPPT inverter for PV systems**
ÖZDEMİR Ş., ALTIN N., SEFA İ.
ENERGY CONVERSION AND MANAGEMENT, cilt.80, ss.561-572, 2014 (SCI İndekslerine Giren Dergi)
- XXVIII. **PV supplied single stage mppt inverter for induction motor actuated ventilation systems**
ÖZDEMİR Ş., Altin N., Sefa İ., Bal G.
Elektronika ir Elektrotehnika, cilt.20, sa.5, ss.116-122, 2014 (SCI Expanded İndekslerine Giren Dergi)
- XXIX. **Three-phase three-level grid interactive inverter with fuzzy logic based maximum power point tracking controller**
ALTIN N., ÖZDEMİR Ş.
ENERGY CONVERSION AND MANAGEMENT, cilt.69, ss.17-26, 2013 (SCI İndekslerine Giren Dergi)
- XXX. **Interval Type-2 Fuzzy Logic Controller Based Maximum Power Point Tracking in Photovoltaic Systems**
Altin N.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, cilt.13, sa.3, ss.65-70, 2013 (SCI İndekslerine Giren Dergi)
- XXXI. **dSPACE based adaptive neuro-fuzzy controller of grid interactive inverter**
ALTIN N., SEFA İ.
ENERGY CONVERSION AND MANAGEMENT, cilt.56, ss.130-139, 2012 (SCI İndekslerine Giren Dergi)
- XXXII. **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, cilt.24, sa.4, ss.675-685, 2009 (SCI İndekslerine Giren Dergi)
- XXXIII. **A novel approach to determine the interphase transformer inductance of 18 pulse rectifiers**
SEFA İ., ALTIN N.
ENERGY CONVERSION AND MANAGEMENT, cilt.50, sa.10, ss.2495-2503, 2009 (SCI İndekslerine Giren Dergi)
- XXXIV. **GRID INTERACTIVE PHOTOVOLTAIC INVERTERS- A REVIEW**
SEFA İ., ALTIN N.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.24, sa.3, ss.409-424, 2009 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Review of Standards on Insulation Coordination for Medium Voltage Power Converters**
ÖZDEMİR Ş., ALTIN N., Nasiri A., Cuzner R.
IEEE Open Journal of Power Electronics, cilt.2, ss.236-249, 2021 (Diğer Kurumların Hakemli Dergileri)
- II. **A Multiport Bidirectional LLC Resonant Converter for Grid-Tied Photovoltaic-Battery Hybrid System**
Jean-Pierre G., El Shafei A., ALTIN N., Nasiri A.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.10, sa.2, ss.862-870, 2020 (ESCI İndekslerine Giren Dergi)
- III. **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, cilt.10, sa.1, ss.407-415, 2020 (ESCI İndekslerine Giren Dergi)
- IV. **Review on Vehicle-to-Grid Systems: The Most Recent Trends and Smart Grid Interaction**

Technologies

Sarp M., ALTIN N.

GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.33, sa.2, ss.394-411, 2020 (ESCI İndekslerine Giren Dergi)

V. Sonlu Elemanlar Metodu ile AA Hat Reaktörlerinin Tasarımı

SEFA İ., selami b., ALTIN N.

Gazi Üniversitesi Politeknik Dergisi, cilt.18, sa.4, ss.257-267, 2015 (Diğer Kurumların Hakemli Dergileri)

VI. Design of the AC Line Reactors With Finite Element Method

SEFA İ., Balci S., ALTIN N.

JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.18, sa.4, ss.257-267, 2015 (ESCI İndekslerine Giren Dergi)

VII. 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, cilt.8, sa.3, 2015 (Diğer Kurumların Hakemli Dergileri)

VIII. dSAPCE Based Fuzzy Logic Controlled Boost Converter

SEFA İ., ALTIN N., ÖZDEMİR Ş.

Electronics and Computer Science, Scientific Bulletin, cilt.2, sa.8, ss.36-41, 2009 (Diğer Kurumların Hakemli Dergileri)

Kitap & Kitap Bölümleri

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

SEFA İ., ALTIN N., ÖZDEMİR Ş.

Energy Harvesting and Energy Efficiency, Erol Kurt, Editör, Springer International Publishing AG, ss.261-292, 2017

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. 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, Romanya, 01 Temmuz 2021

II. Control and Loss Analysis of a Solid State Transformer Based DC Extreme Fast Charger

Jean-Pierre G., Beheshtaein S., ALTIN N., Nasiri A.

IEEE Transportation Electrification Conference and Expo (ITEC), ELECTR NETWORK, 21 - 25 Haziran 2021, ss.9-14

III. Design and Implementation of a Medium Voltage, High Power, High Frequency Four-Port Transformer

El Shafei A., Özdemir Ş., Altın N., Jean Pierre G., Nasiri A.

2020 IEEE Applied Power Electronics Conference and Exposition (APEC), California, Amerika Birleşik Devletleri, 15 - 19 Mart 2020, ss.2352-2357

IV. A High Power High Frequency Transformer Design for Solid State Transformer Applications

El Shafei A., ÖZDEMİR Ş., ALTIN N., Jean Pierre G., Nasiri A.

8TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS (ICRERA), Brasov, Romanya, 3 - 06 Kasım 2019, ss.1-6

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 20198TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Brasov, Romanya, 3 - 06 Kasım 2019, ss.1-6

VI. A Multiport Bidirectional LLC Resonant Converter for Grid-Tied Photovoltaic-Battery Hybrid System

Jean Pierre G., El Shafei A., ALTIN N., Nasiri A.

ICRERA 2019 8TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Brasov, Romanya, 3 - 06 Kasım 2019, ss.1-6

VII. **A Complete Design of a High Frequency Medium Voltage Multi-Port Transformer**

El Shafei A., ÖZDEMİR Ş., ALTIN N., Jean Pierre G., Nasiri A.

8TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS (ICRERA), Brasov, Romanya, 3 - 06 Kasım 2019, ss.7-12

VIII. **Mitigating Communication Delay Impact on Microgrid Stability Using a Compensator Based on Smith Predictor**

Akbari Haghighat H., ALTIN N., Nasiri A.

2019 IEEE Energy Conversion Congress and Exposition (ECCE), Baltimore, MD, USA, 29 Eylül - 03 Ekim 2019

IX. **A Three-Port LLC Resonant Converter for Photovoltaic-Battery Hybrid System**

JeanPierre G., ALTIN N., Nasiri A.

2019 IEEE Transportation Electrification Conference and Expo (ITEC), Detroit, MI, USA, 19 - 21 Haziran 2019

X. **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, Türkiye, 25 - 27 Eylül 2019

XI. **A Novel Solar PV Inverter Topology Based on an LLC Resonant Converter**

Altın N., Ozdemir Ş., Nasiri A.

11th Annual IEEE Energy Conversion Congress and Exposition (ECCE), Maryland, Amerika Birleşik Devletleri, 29 Eylül - 03 Ekim 2019, ss.6734-6740

XII. **A Decoupled Control Scheme of Four-Port Solid State Transformer**

Ozdemir Ş., ALTIN N., El Shafei A., Rashidi M., Nasiri A.

11th Annual IEEE Energy Conversion Congress and Exposition (ECCE), Maryland, Amerika Birleşik Devletleri, 29 Eylül - 03 Ekim 2019, ss.5009-5015

XIII. **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, Türkiye, 25 - 26 Nisan 2019, ss.218-222

XIV. **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, Türkiye, 25 - 27 Eylül 2019

XV. **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, Amerika Birleşik Devletleri, 20 - 23 Ekim 2018, ss.4492-4497

XVI. **Control of wind-photovoltaic-battery hybrid system energy management and power fluctuation mitigation system.**

EYİMAYA S. E. , BAL G., ALTIN N.

7th International Conference on Advanced Technologies, 28 Nisan - 01 Mayıs 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, Türkiye, 28 Nisan - 01 Mayıs 2018

XVIII. **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, Türkiye, 28 Nisan - 01 Mayıs 2018

- XIX. Development of a Power and Voltage Control Scheme for Multi-Port Solid State Transformers**
Khayamy M., Nasiri A., Altin N.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.926-932
- 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 Nisan 2018
- XXI. 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, Türkiye, 25 - 26 Nisan 2018, ss.58-62
- XXII. A High Efficiency, Decoupled On-board Battery Charger with Magnetic Control**
Wei Y., Altin N., Luo Q., Nasiri A.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.920-925
- XXIII. 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 Ekim 2018, ss.3895-3900
- XXIV. 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 Nisan 2018
- XXV. Preliminary Modeling of FLC Dealing with MPPT Problem**
Lopez Guede J. M. , Ramos Hernanz J., ALTIN N., ÖZDEMİR Ş., KURT E., Azkune G.
European Conference on Renewable Energy Systems, Saraybosna, Bosna-Hersek, 27 - 30 Ağustos 2017, ss.239-244
- 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, Bosna-Hersek, 27 - 30 Ağustos 2017, ss.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, Bosna-Hersek, 27 - 30 Ağustos 2017, ss.49
- XXVIII. An Investigation On Coupled Inductors of Quadratic Boost Converters**
BALCI S., SEFA İ., ÖZDEMİR Ş., ALTIN N.
European Conference on Renewable Energy Systems, Saraybosna, Bosna-Hersek, 27 - 30 Ağustos 2017, ss.507-513
- XXIX. A QUADRATIC BOOST CONVERTER WITH TYPE-2 FUZZY LOGIC CONTROLLER BASED MAXIMUM POWER POINT TRACKING ALGORITHM FOR PV SYSTEMS**
ALTIN N.
Fifth European Conference on Renewable EnergySystems (ECRES 2017), Saraybosna, Bosna-Hersek, 27 - 30 Ağustos 2017
- XXX. CONTROL OF THE BATTERY ENERGY STORAGE SYSTEM TO MITIGATE THE WINDPOWER FLUCTUATIONS**
ALTIN N., EYİMAYA S. E.
Fifth European Conference on Renewable EnergySystems (ECRES 2017), Saraybosna, Bosna-Hersek, 27 - 30 Ağustos 2017
- XXXI. ANALYSIS OF THE COMBINED RESPONSE OF FLC AND BOOST CONVERTER FOR MPPT IN PV SYSTEMS**

Hernanz J. R. , Guede J. M. L. , ALTIN N., Zulueta E., Fernandez U.

Fifth European Conference on Renewable Energy Systems (ECRES 2017), Saraybosna, Bosna-Hersek, 27 Ağustos 2107 - 30 Ağustos 2017

- XXXII. **A fuzzy logic control study for the mitigation of power fluctuations in the wind turbines.**
EYİMAYA S. E. , BAL G., ALTIN N.
VI. European Conference on Renewable Energy Systems, 25 - 27 Haziran 2017
- XXXIII. **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 Technology Sciences (ICAT), İstanbul, Türkiye, 9 - 12 Mayıs 2017
- XXXIV. **Three-Phase Three-Level Inverter with Reduced Number of Switches for Stand-Alone PV Systems**
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Burslar

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