

Doç. Dr. KORHAN KAYIŞLI



Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAP-7790-2021

ScopusID: 36543848200

Eğitim Bilgileri

Doktora, Fırat Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği
Bölümü, Türkiye 2004 - 2012

Yüksek Lisans, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi,
Türkiye 2001 - 2004

Lisans, Sakarya Üniversitesi, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi
Bölümü, Türkiye 1997 - 2001

Biyografi

Dr. Korhan Kayışli received a BSc degree in electronics education from Sakarya University, Sakarya, Turkey, in 2001, and an MSc degree in Electronics and Computer Science from Fırat University, Elazığ, Turkey, in 2004. He received PhD degree at the area of power electronics in Electric and Electronics Engineering at Fırat University, Elazığ, Turkey, in 2012. He worked as a research assistant between 2002 and 2012. He has worked in Fırat University, Bitlis Eren University, Gelisim University, Nisantasi University, respectively. He is currently an associate professor in the Department of Electrical Electronics Engineering, Engineering Faculty, Gazi University, Ankara, Turkey. He is an IEEE Senior Member. Also, he is the co-editor of International Journal of Renewable Energy Research and International Journal of Engineering Science and Application. He also served as reviewer to many high ranked scientific journals. His fields of interest are power electronics, converter circuits, power factor correction, robust control, and educational technologies. He has published journal and conference papers on these areas. Additionally, he has worked as researcher in two EU mobility projects and other some projects.

Yaptığı Tezler

Doktora, Birim güç faktörlü dayanıklı dönüştürücü devresinin tasarlanması ve gerçekleştirilmesi, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, 2012

Yüksek Lisans, Asenkron motorun kayma mod algılayıcısız hız kontrolü, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik, 2004

Araştırma Alanları

Robotik ve Mekatronik Sistemler, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Yenilenebilir Enerji, Güç Elektroniğı, Güç Çevirgeçleri, Güç Kalitesi, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliğı, 2023 - Devam Ediyor
Dr. Öğr. Üyesi, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliğı, 2021 - 2023
Dr. Öğr. Üyesi, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliğı Bölümü, 2016 - 2021
Yrd. Doç. Dr., İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliğı Bölümü, 2013 - 2016
Dr. Öğr. Üyesi, Bitlis Eren Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliğı Bölümü, 2012 - 2013

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliğı, 2024 - Devam Ediyor
Sürekli Eğitim Merkezi Müdür Yardımcısı, Gazi Üniversitesi, Sürekli Eğitim Uygulama Ve Araştırma Merkezi, 2022 - 2024
Bölüm Başkanı, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, Mekatronik Mühendisliğı Bölümü, 2016 - 2021
Dekan Yardımcısı, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, 2016 - 2020
Bölüm Başkanı, İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, Mekatronik Mühendisliğı Bölümü, 2013 - 2016
Dekan Yardımcısı, İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, 2013 - 2016
Enstitü Müdür Yardımcısı, İstanbul Gelişim Üniversitesi, Fen Bilimleri Enstitüsü, 2013 - 2014
Bölüm Başkanı, Bitlis Eren Üniversitesi, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliğı Bölümü, 2012 - 2013

Verdiği Dersler

Yüksek Lisans

DYNAMIC BEHAVIOR AND CONTROL OF AC DRIVES, Yüksek Lisans, 2023 - 2024, 2022 - 2023
POWER ELECTRONIC APPLICATIONS IN SYSTEMS, Yüksek Lisans, 2024 - 2025, 2023 - 2024, 2021 - 2022
MULTIPOINT POWER CONVERTERS IN SMART GRIDS, Yüksek Lisans, 2021 - 2022
GÜÇ ELEKTRONİĞİNİN GÜÇ SİSTEMİ UYGULAMALARI, Yüksek Lisans, 2022 - 2023, 2021 - 2022

Lisans

EE Engineering Design I, Lisans, 2024 - 2025, 2023 - 2024, 2022 - 2023
EE Engineering Design II, Lisans, 2024 - 2025, 2022 - 2023, 2021 - 2022
Control Systems I, Lisans, 2023 - 2024, 2021 - 2022
Electrical Motors and Drives, Lisans, 2023 - 2024
Industrial Control, Lisans, 2024 - 2025, 2023 - 2024, 2021 - 2022
Discrete Time Control Systems, Lisans, 2021 - 2022

Yönetilen Tezler

Kayışlı K., CONTROL AND DESIGN OF MICROCONTROLLER BASED CAPACITOR CHARGING POWER SUPPLY USING PEAK CURRENT CONTROL MANAGEMENT, Yüksek Lisans, F.DEMİRBAŞ(Öğrenci), 2025
Kayışlı K., ELEKTRİK GÜÇ SİSTEMİ KARARLILIĞININ İYİLEŞTİRİLMESİNDE YENİLENEBİLİR ENERJİ KULLANIMIN ETKİSİ, Yüksek Lisans, A.HUSSEIN(Öğrenci), 2025
Kayışlı K., DEVELOPMENT AND CONTROL OF GaN-BASED PHASE SHIFTED FULL BRIDGE CONVERTER FOR MILITARY APPLICATIONS, Yüksek Lisans, S.BAYRAM(Öğrenci), 2024

Kayışlı K., Hibrit bir sistemin yüksek verimli ve dayanıklı MPPT denetimi, Yüksek Lisans, R.Zafer(Öğrenci), 2023
Kayışlı K., DESIGN AND IMPLEMENTATION OF A DC CURRENT SENSOR WITH DC TRANSFORMER, Yüksek Lisans, M.ÇALAR(Öğrenci), 2023

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **PV-MPPT Lab: A GUI-Based Education Tool for MPPT Techniques**
Kayışlı K., Caglayan R. Z., Colak I.
IEEE TRANSACTIONS ON EDUCATION, cilt.67, sa.3, ss.453-461, 2024 (SCI-Expanded)
- II. **Fuzzy logic-based Energy Management System (EMS) of hybrid power sources: Battery/Super capacitor for electric scooter supply**
Boumediene S., Nasri A., Hamza T., Hicham C., KAYIŞLI K., Garg H.
JOURNAL OF ENGINEERING RESEARCH, cilt.12, sa.1, ss.148-159, 2024 (SCI-Expanded)
- III. **Output Regulation-Based Optimal Control System for Maximum Power Extraction of a Machine-Side Power Converter in Variable-Speed WECS**
Sarsembayev B., Zhakiyev N., Kushekkaliyev A., KAYIŞLI K., Do T. D.
IEEE ACCESS, cilt.12, ss.8422-8431, 2024 (SCI-Expanded)
- IV. **Optimization of Sliding Mode Control for Doubly Fed Induction Generator Systems Using Particle Swarm and Grey Wolf Algorithms**
Ibrahim B., Abdelkader H., Hartani M. A., KAYIŞLI K.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.52, sa.10, ss.1782-1795, 2024 (SCI-Expanded)
- V. **Strain Energy Prediction of Single Wall Carbon Nanotubes Using General Regression Neural Network and Adaptive Neuro - Fuzzy Inference System**
Eyecioglu O., KAYIŞLI K., Beken M.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.52, sa.8, ss.1437-1447, 2024 (SCI-Expanded)
- VI. **Design of sustainable multi-source power systems using lithium batteries**
Layadi T. M., Champenois G., Mostefai M., Colak I., KAYIŞLI K.
Journal of Energy Storage, cilt.60, 2023 (SCI-Expanded)
- VII. **Super twisting sliding mode-type 2 fuzzy MPPT control of solar PV system with parameter optimization under variable irradiance conditions**
Kayışlı K.
Ain Shams Engineering Journal, cilt.14, sa.1, 2023 (SCI-Expanded)
- VIII. **Advanced Control of Three-Phase PWM Rectifier Using Interval Type-2 Fuzzy Neural Network Optimized by Modified Golden Sine Algorithm**
Acikgoz H., Coteli R., Tanyildizi E., Dandil B., KAYIŞLI K.
Electric Power Components and Systems, cilt.51, sa.10, ss.933-948, 2023 (SCI-Expanded)
- IX. **An Enhanced Hybrid Rhino Herd-PSO Optimizer for Optimal Technical and Economic Operation of Power Systems Considering Environmental Concerns**
Taleb N., Bentouati B., Chettih S., Abdelkader H., KAYIŞLI K.
Electric Power Components and Systems, cilt.51, sa.18, ss.2193-2209, 2023 (SCI-Expanded)
- X. **Distribution Locational Marginal Price Based Transactive Energy Management in Distribution Systems with Smart Prosumers—A Multi-Agent Approach**
Amanbek Y., Kalakova A., Zhakiyeva S., Kayisli K., Zhakiyev N., Friedrich D.
Energies, cilt.15, sa.7, ss.1-18, 2022 (SCI-Expanded)
- XI. **A DIRECT ADAPTIVE SLIDING MODE HIGH VOLTAGE GAIN PEAK POWER TRACKER FOR THERMOELECTRIC APPLICATIONS**
BELKAID A., ÇOLAK İ., KAYIŞLI K.
Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, cilt.66, sa.2, ss.131-136, 2021 (SCI-Expanded)
- XII. **A Novel Approach of Perturb and Observe Technique Adapted to Rapid Change of Environmental**

Conditions and Load

Belkaid A., Colak I., Kayisli K.

ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.48, ss.375-387, 2020 (SCI-Expanded)

XIII. **Backstepping control of a separately excited DC motor**

Harrouz A., Becheri H., Colak I., Kayisli K.

ELECTRICAL ENGINEERING, cilt.100, sa.3, ss.1393-1403, 2018 (SCI-Expanded)

XIV. **Implementation of a modified P&O-MPPT algorithm adapted for varying solar radiation conditions**

Belkaid A., Colak I., Kayisli K.

ELECTRICAL ENGINEERING, cilt.99, sa.3, ss.839-846, 2017 (SCI-Expanded)

XV. **Closure to "Prediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFIS" by M. Cihan Aydin and Korhan Kayisli**

Aydin M. C., Kayisli K.

JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.143, sa.7, 2017 (SCI-Expanded)

XVI. **A Novel Power Factor Correction System Based on Sliding Mode Fuzzy Control**

Kayisli K., Tuncer S., Poyraz M.

ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.45, sa.4, ss.430-441, 2017 (SCI-Expanded)

XVII. **Prediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFIS**

Aydin M. C., Kayisli K.

JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.142, sa.5, 2016 (SCI-Expanded)

XVIII. **PMSM Drive Fed by Sliding Mode Controlled PFC Boost Converter**

Aydogmus O., Deniz E., Kayisli K.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.6, ss.4765-4773, 2014 (SCI-Expanded)

XIX. **An educational tool for fundamental DC-DC converter circuits and active power factor correction applications**

Kayisli K., Tuncer S., Poyraz M.

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.21, sa.1, ss.113-134, 2013 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Energy Management based on Supertwisting Sliding Mode in the Standalone Photovoltaic Power System with Battery Backup**

ÇÖTELİ R., ÇAĞLAYAN R. Z., KAYIŞLI K.

International Journal of Smart Grid, cilt.8, sa.4, ss.191-198, 2024 (Hakemli Dergi)

II. **Predicting LAN switch failures: An integrated approach with DES and machine learning techniques (RF/LR/DT/SVM)**

Myrzatay A., Rzayeva L., Bandini S., Shayea I. A. M., Saoud B., Çolak I., KAYIŞLI K.

RESULTS IN ENGINEERING, cilt.23, 2024 (ESCI)

III. **Smart Power Conditioning Unit Utilizing Enhanced Inc-Con MPPT for Photovoltaic Power Plants**

BELKAID A., KAYIŞLI K., ÇOLAK İ., HADJI S., GUENOUNOU O.

International Journal of Smart grid, cilt.8, sa.1, ss.41-45, 2024 (Hakemli Dergi)

IV. **Pioneering Battery-Supercapacitor Hybrid Energy Management for E-Scooters for Sustainable Urban Transportation**

SAIED B., Nasri A., Tedjini H., Hicham C., KAYIŞLI K.

PRZEGLAD ELEKTROTECHNICZNY, cilt.2024, sa.4, ss.113-117, 2024 (ESCI)

V. **DEEP RECURRENT NEURAL NETWORKS IN ENERGY DEMAND FORECASTING: A CASE STUDY OF KAZAKHSTANS ELECTRICAL CONSUMPTION**

Kabdygali S., Omirgaliyev R., Tursynbayev T., KAYIŞLI K., Zhakiyev N.

SEXES, cilt.16, ss.16-29, 2023 (Hakemli Dergi)

VI. **A Comparative Analysis of P&O, IC and Supertwisting Sliding Mode based MPPT methods for PV and Fuel Cell sourced Hybrid System**

Caglayan R. Z., KAYIŞLI K., Roscia M., Belkaid A., Nasri A.

International Journal of Renewable Energy Research, cilt.13, sa.3, ss.1431-1442, 2023 (ESCI)

- VII. **Twisting Sliding Mode Control based Maximum Power Point Tracking**
KAYIŞLI K., ÇAĞLAYAN R. Z.
Balkan Journal of Electrical and Computer Engineering, cilt.10, sa.4, ss.356-362, 2022 (Hakemli Dergi)
- VIII. **A Review of Hybrid Renewable Energy Systems and MPPT Methods**
ÇAĞLAYAN R. Z., KAYIŞLI K., Zhakiyev N., HARROUZ A., ÇOLAK İ.
International Journal of Smart Grid - iJSmartGrid, cilt.6, sa.3, ss.72-82, 2022 (Hakemli Dergi)
- IX. **Blockchain-Based Decentralized Peer-to-Peer Negawatt Trading in Demand-Side Flexibility Driven Transactive Energy System**
Zhanbolatov A., Zhakiyeva S., Zhakiyev N., KAYIŞLI K.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.12, sa.3, ss.1475-1483, 2022 (ESCI)
- X. **Power Stabilization with STATCOM on DFIG Based Wind Farm for Renewable Energy**
HARROUZ A., KAYIŞLI K., Houcien B., ÇOLAK İ.
Algerian Journal of Renewable Energy and Sustainable Development, cilt.4, sa.1, ss.84-93, 2022 (Hakemli Dergi)
- XI. **A Novel Method of Electric Scooter Torque Estimation Using the Space Vector Modulation Control**
Hicham C., Nasri A., KAYIŞLI K.
International Journal of Renewable Energy Development, cilt.10, sa.2, ss.355-364, 2021 (ESCI)
- XII. **NON-LINEAR BACKSTEPPING SPEED CONTROL FOR ASIAN ELECTRIC SCOOTER USES**
Hicham C., Nasri A., KAYIŞLI K.
JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, cilt.13, sa.1, ss.400-423, 2021 (Hakemli Dergi)
- XIII. **Fuzzy Logic Speed Control for Three-Wheel Electric Scooter**
Hicham C., Nasri A., KAYIŞLI K.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.9, sa.3, ss.1443-1452, 2019 (Scopus)
- XIV. **Design and Implementation of a Cuk Converter Controlled by a Direct Duty Cycle INC-MPPT in PV Battery System**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, cilt.3, sa.1, ss.18-24, 2019 (Hakemli Dergi)
- XV. **Speed control of three-wheel electric scooter with fuzzy logic control**
Hicham C., Nasri A., KAYIŞLI K.
International Journal of Renewable Energy Research, cilt.9, sa.3, ss.1443-1450, 2019 (ESCI)
- XVI. **Performance comparison of different maximum power point trackers for photovoltaic system under fast varying of environmental conditions**
BELKAID A., ÇOLAK İ., KAYIŞLI K.
Revue des Energies Renouvelables, cilt.21, sa.4, ss.601-621, 2018 (Hakemli Dergi)
- XVII. **Modeling of a Permanent Magnet Synchronous Generator in a Power Wind Generation System with an Electrochemical Energy Storage**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, cilt.2, sa.4, ss.197-202, 2018 (Hakemli Dergi)
- XVIII. **3 Serbestlik Dereceli Bir Robot Kolun Bulanık Mantık ve PID ile Kontrolü**
KAYIŞLI K., UĞUR M.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, cilt.5, sa.4, ss.223-234, 2017 (Hakemli Dergi)
- XIX. **Implementation of a Humanoid Robotic Hand**
Tezel C., KAYIŞLI K., Günay O.
International Journal of Engineering Science and Application, cilt.1, sa.4, ss.137-141, 2017 (Hakemli Dergi)
- XX. **Sliding Mode Control of Vehicle Suspension System under Different Road Conditions**
KAYIŞLI K., KARAMAN V.
International Journal of Engineering Science and Application, cilt.1, sa.2, ss.72-77, 2017 (Hakemli Dergi)
- XXI. **Design and Implementation of a Tank Rescue Robot Controlled With Android Software**
KAYIŞLI K., Tezel C., Günay O., Demir E.
INTERNATIONAL JOURNAL of ENGINEERING SCIENCE AND APPLICATION, cilt.1, sa.1, ss.18-23, 2017 (Hakemli

Dergi)

- XXII. **Web Based Education for Power Electronics Supported with Animations**
KAYIŞLI K.
Technics Technologies Education Management, cilt.8, sa.4, ss.1780-1789, 2013 (Hakemli Dergi)
- XXIII. **Kayma Mod ile Asenkron Motorun Algılayıcısız Hız Kontrolü**
KAYIŞLI K., GÜLDEMİR H.
Bitlis Eren Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.1, sa.2, ss.92-106, 2012 (Hakemli Dergi)
- XXIV. **Kayma Mod Denetleyici Kullanılarak Aktif Güç Faktörü Düzeltimi**
KAYIŞLI K., TUNCER S., POYRAZ M.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, cilt.14, sa.1, ss.253-260, 2008 (Hakemli Dergi)

Kitaplar

- I. **Blockchain and smart charging infrastructure of electric vehicles**
Lazaroiu G. C., Roscia M., Dumbrava V., KAYIŞLI K.
Holistic Approach for Decision Making Towards Designing Smart Cities, Lazaroiu George Cristian, Roscia Mariacristina, Dancu Vasile Sebastian, Editör, Springer International Publishing, California, ss.175-198, 2022

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Design and Lag Compensated Control of a GaN Based Phase Shifted Full Bridge Converter**
Bayram S., KAYIŞLI K., Nasri A.
2024 13th International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 09 Kasım 2024, ss.1041-1049
- II. **Increasing Electric Power System Stability by Integrating Renewable Energy**
Korot A. H. M., KAYIŞLI K., AL-YOZBAKY O. S. A. Y.
IEEE Global Energy Conference 2024, Rivers, Kanada, 4 - 06 Aralık 2024, ss.373-378
- III. **Design of a Phase Shifted Full Bridge DC-DC ZVS Converter with Analog Control**
Sağlam A., KAYIŞLI K.
IEEE Global Energy Conference 2024, Rivers, Kanada, 4 - 06 Aralık 2024, ss.304-309
- IV. **The past, present and future of Electric Vehicles**
Kayışlı K.
The 1st International Conference on Applications and Technologies of Renewable Energy Systems, Djelfa, Cezayir, 18 - 19 Aralık 2024
- V. **Systems of Smart Load Management for More Electrical Aircraft**
Yıldız M. Ş., KAYIŞLI K.
IEEE Global Energy Conference 2024, Rivers, Kanada, 4 - 06 Aralık 2024, ss.368-372
- VI. **Design and Control of a Two Switch Forward Converter with Supertwisting Sliding Mode**
KAYIŞLI K., ÇAĞLAYAN R. Z., ÇÖTELİ R., Roscia M., HARROUZ A., BELKAID A.
2024 13th International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 09 Kasım 2024, ss.1299-1303
- VII. **Energy Management of DC Microgrid-based Photovoltaic/Battery and Super Capacitor**
Berboucha A., Aissou S., ÇOLAK İ., Djermouni K., BELKAID A., Amirouche E., KAYIŞLI K.
2024 13th International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 09 Kasım 2024, ss.1316-1321
- VIII. **Energy Management Strategies for Hybrid Electric Vehicles**
Demiroğlu C., KAYIŞLI K.
2024 13th International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 09 Kasım 2024, ss.1175-1185

- IX. Comparative Analysis of The Control Algorithms for The Capacitor Charging Power Supplies**
Demirbaş F., KAYIŞLI K., Zhakiyev N.
2024 13th International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 09 Kasım 2024, ss.952-958
- X. Intellectual Methods for Analysis of Renewables in the Energy Balance for Low Emission Strategy**
Omırgaliyev R., Zhakiyeva S., KAYIŞLI K., Bapiyev I., Nurlan Z., Satan A.
2024 13th International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 09 Kasım 2024, ss.1152-1157
- XI. Artificial Intelligent Applications in Smart Cities**
ÇAĞLAYAN R. Z., KAYIŞLI K., ÇÖTELİ R., Omırgaliyev R., Zhakiyev N.
2024 IEEE 4th International Conference on Smart Information Systems and Technologies (SIST), Astana, Kazakistan, 15 - 17 Mayıs 2024, ss.467-472
- XII. Comparative Study of Different Deep Learning Approches for State of Charge Estimation in Lithium Iron Phosphate Battery**
Korbaa N. E. H., BOUCHETATA N., BELARBI A. W., KAYIŞLI K., KAPLAN O.
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.714-718
- XIII. A Comparative Analysis of Cuk, SEPIC, and Zeta Converters as Maximum Power Point Trackers**
HADJI S., BELKAID A., KAYIŞLI K., ÇOLAK İ., Aissou S., larbi I.
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.539-544
- XIV. High Gain Voltage SEPIC Converter for PV System**
HADJI S., BELKAID A., larbi I., ÇOLAK İ., KAYIŞLI K., Aissou S.
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.618-622
- XV. Delay-Dependent Stability Analysis of Micro-Grid with Electric Vehicles Aggregator using Direct Method**
Dakhil S. A., Al-Shalah M., AYASUN S., KAYIŞLI K.
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.107-111
- XVI. Supervised Artificial Neural Networks by Field-Oriented Control applied to PMSG-based Variable-Speed Wind Turbine**
AOUMRI M., HARROUZ A., Ibrahim Y., ÇOLAK İ., KAYIŞLI K., Dumbrava V.
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.187-191
- XVII. Robust Active and Reactive Power Control by using Single-Phase Grid connected H-Bridge Inverter**
ÇÖTELİ R., KAYIŞLI K., ÇAĞLAYAN R. Z.
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- XVIII. TEG & Fuel Cell Hybrid System with Sliding Mode Control Based MPPT**
Çağlayan R. Z., Kayışlı K., Belkaid A., Çolak İ., Nasri A.
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- XIX. Enhanced Control of DFIG Power under Variable Wind Speed Adopting Offline Tuning based GWO Approach**
Ibrahim B., HARROUZ A., Farid M., Ibrahim Y., ÇOLAK İ., KAYIŞLI K., Dumbrava V.
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- XX. PV&TEG Hybrid System controlled with Fuzzy based MPPT**
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