

Personal Information

Email: cbayindir@cu.edu.tr

Web: <https://avesis.cu.edu.tr//cbayindir>

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and simulation based study of an adaptive filter controlled solid state transfer switch**
Meral M. E. , CUMA M. U. , TEKE A., TÜMAY M., BAYINDIR K. Ç.
ELECTRICAL ENGINEERING, vol.96, no.4, pp.385-395, 2014 (Journal Indexed in SCI)
- II. **Modeling and analysis of power quality problems caused by coreless induction melting furnace connected to distribution network**
TAN A., BAYINDIR K. Ç.
ELECTRICAL ENGINEERING, vol.96, no.3, pp.239-253, 2014 (Journal Indexed in SCI)
- III. **Implementation of a Non-Linear Adaptive Filter Based Sag Detection Method for Dynamic Voltage Restorers under Unbalanced Fault Conditions**
CUMA M. U. , TEKE A., Meral M. E. , BAYINDIR K. Ç. , TÜMAY M.
JOURNAL OF POWER ELECTRONICS, vol.13, no.2, pp.304-312, 2013 (Journal Indexed in SCI)
- IV. **OPEN unified power quality conditioner with control based on enhanced phase locked loop**
TEKE A., Meral M. E. , CUMA M. U. , TÜMAY M., BAYINDIR K. Ç.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.7, no.3, pp.254-264, 2013 (Journal Indexed in SCI)
- V. **Hybrid Fuzzy PI-Control Scheme for Quasi Multi-Pulse Interline Power Flow Controllers Including the P-Q Decoupling Feature**
Vural A. M. , BAYINDIR K. Ç.
JOURNAL OF POWER ELECTRONICS, vol.12, no.5, pp.787-799, 2012 (Journal Indexed in SCI)
- VI. **Experimental Architecture of a DSP Based Signal Generation for PWM Inverter**
CUMA M. U. , TEKE A., TÜMAY M., BAYINDIR K. Ç. , OZGUR M. S.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.19, no.3, pp.561-571, 2011 (Journal Indexed in SCI)
- VII. **A comprehensive overview of hybrid electric vehicle: Powertrain configurations, powertrain control techniques and electronic control units**
BAYINDIR K. Ç. , GOZUKUCUK M. A. , TEKE A.
ENERGY CONVERSION AND MANAGEMENT, vol.52, no.2, pp.1305-1313, 2011 (Journal Indexed in SCI)
- VIII. **Fast sag/swell detection method for fuzzy logic controlled dynamic voltage restorer**
TEKE A., BAYINDIR K. Ç. , TÜMAY M.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.4, no.1, pp.1-12, 2010 (Journal Indexed in SCI)
- IX. **Power quality improvement with an extended custom power park**
MERAL M., TEKE A., BAYINDIR K. Ç. , TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.79, no.11, pp.1553-1560, 2009 (Journal Indexed in SCI)
- X. **Extraction of voltage harmonics using multi-layer perceptron neural network**
TÜMAY M., Meral M. E. , BAYINDIR K. Ç.
NEURAL COMPUTING & APPLICATIONS, vol.17, pp.585-593, 2008 (Journal Indexed in SCI)
- XI. **Fuzzy logic PWM current controller based shunt active power filter for power quality compensation**
BAYINDIR K. Ç. , Tuemay M., CUMA M. U.
ENGINEERING INTELLIGENT SYSTEMS FOR ELECTRICAL ENGINEERING AND COMMUNICATIONS, vol.16, no.1, pp.5-16, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **İki Çıkışlı Flyback Dönüştürücü Tasarımı ve Analizi**
BEKTAŞ E., BAYINDIR K. Ç. , EREL M. Z. , YALMAN Y., KIVRAK S.
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, vol.30, no.3, pp.51-57, 2018 (Refereed Journals of Other Institutions)
- II. **DSP controlled voltage disturbance generator**
Savrun M. M. , TAN A., KOROĞLU T., Cuma M. U. , Bayindir K. Ç. , Tumay M.
JOURNAL OF ELECTRICAL SYSTEMS, vol.14, no.1, pp.174-187, 2018 (Journal Indexed in ESCI)
- III. **1P3S HIGH FREQUENCY TRANSFORMER BASED DUAL-ACTIVE BRIDGE DC-DC CONVERTER**
SAVRUN M. M. , KÖROĞLU T., TAN A., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
International Journal of Energy Applications and Technologies, vol.4, no.4, pp.174-181, 2017 (Refereed Journals of Other Institutions)
- IV. **An Effective Power Quality Compensation System for Power Quality Problems of Current Source Coreless Induction Furnace**
TAN A., BAYINDIR K. Ç.
International Review on Modelling and Simulations (IREMOS), vol.2, no.4, pp.1312-1324, 2011 (Refereed Journals of Other Institutions)
- V. **Türkiye nin Güney Sanayi Bölgelerindeki Güç Kalitesi Üzerine Bir Araştırma**
TEKE A., MERAL M. E. , TÜMAY M., BAYINDIR K. Ç.
Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.14, no.2, 2009 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis and Design of the Capacitive PowerTransfer Applications for Low Power and HighPower Cases**
EREL M. Z. , BAYINDIR K. Ç. , AYDEMİR M. T.
The 4th International Conference on Power Electronics and their Applications (ICPEA), 25 - 27 September 2019
- II. **Design and Analysis of a 3.3kW Inductive PowerTransfer System**
EREL M. Z. , BAYINDIR K. Ç. , AYDEMİR M. T.
The 4th International Conference on Power Electronics and their Applications (ICPEA), 25 - 27 September 2019
- III. **Novel Single Switch High Gain Non-isolated DC-DC Converter for Building Integrated Photovoltaic Systems**
ELMAKAWI A., BAYINDIR K. Ç.
2019 1st Global Power, Energy and Communication Conference (GPECOM), Nevsehir, Turkey, 12 - 15 June 2019
- IV. **Non-isolated Multi-Port Inverter Topologies for Renewable Energy Applications: A review**
ELMAKAWI A., BAYINDIR K. Ç.
2019 1st Global Power, Energy and Communication Conference (GPECOM), Nevsehir, Turkey, 12 - 15 June 2019
- V. **Elektrik Dağıtım Sisteminde Gerilim Çukuru Yönü Tespiti ve Arıza Tipi Sınıflandırması**
YALMAN Y., BAYINDIR K. Ç. , ALPER T., KÜRŞAT T., TAŞ Ş.
Güç Sistemleri Konferansı, Turkey, 15 - 16 November 2018
- VI. **Türkiye Elektrik İletim Şebekesinde Güç Kalitesi Parametrelerinin Yönetmelik ve Standartlar Işığında Yıllara Göre Değerlendirilmesi**
MANTAŞ C. A. , YALMAN Y., TEKŞUT B., BAYINDIR K. Ç.
Güç Sistemleri Konferansı, Turkey, 15 - 16 November 2018
- VII. **The Comparison of Harmonic Minimization and SHE Technique with GA in New 3-Phase Bridgeless Multilevel Inverter**
BEKTAŞ E., BAYINDIR K. Ç. , KARACA H.
ISMSIT (2nd International Symposium on Multidisciplinary Studies and Innovative Technologies), Ankara, Turkey, 19 - 21 October 2018

- VIII. **Novel Techno-economic Indices for DC-DC Converters Operating Under Variable Load**
Elmakawi A., BAYINDIR K. Ç.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018
- IX. **A REVIEW OF BATTERY ENERGY STORAGE APPLICATIONS FOR TRANSMISSION AND DISTRIBUTION GRIDS**
EREL M. Z. , BEKTAŞ E., BAYINDIR K. Ç. , YALMAN Y.
II. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi/II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.925-928
- X. **LOW POWER SCALE ELECTRICAL ENERGY STORAGE SYSTEMS: A REVIEW**
BEKTAŞ E., EREL M. Z. , BAYINDIR K. Ç. , YALMAN Y.
II. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi / II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.364
- XI. **1P3S High Frequency Transformer Based Dual-Active Bridge DC-DC Converter**
SAVRUN M. M. , KÖROĞLU T., TAN A., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
IV. International Multidisciplinary Congress of Eurasia: Natural Sciences, Engineering and Architecture, IMCOFE'17, Roma, Italy, 23 - 25 August 2017, pp.488
- XII. **A Study on Design Considerations of Isolated Bi-Directional Dual Active Bridge DC-DC Converter**
KÖROĞLU T., SAVRUN M. M. , TAN A., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
IV. International Multidisciplinary Congress of Eurasia: Natural Sciences, Engineering and Architecture, IMCOFE'17, Roma, Italy, 23 - 25 August 2017, vol.3, pp.267-273
- XIII. **A New Bridgeless Multilevel Inverter Structure with Reduced Number of Power Switches**
BEKTAŞ E., BAYINDIR K. Ç. , KARACA H.
10th International Conference on Electrical and Electronics Engineering (ELECO 17), Bursa, Turkey, 30 November - 02 December 2017, pp.300-304
- XIV. **İki Çıkışlı Flyback Dönüştürücü Tasarımı ve Analizi**
BEKTAŞ E., BAYINDIR K. Ç. , EREL M. Z. , YALMAN Y., KIVRAK S.
1.Ulusal Elektrik Enerjisi Dönüşümü Kongresi (EL-EN), Elazığ, Turkey, 21 - 22 September 2017, vol.1, pp.165-170
- XV. **Comparison of Harmonics at Phase-Shift Controllers of Isolated Bidirectional DC-DC Converter for DC Grid Systems**
KAYAALP R. İ. , DEMİRDELEN T., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
6th International Conference on Advanced Technology Sciences, Riga, Latvia, 12 - 15 September 2017
- XVI. **Design and Implementation of the Three Phase H-Bridge Motor Drive Controlled by two DC Motors using PID Controller**
KIVRAK S., EREL M. Z. , YALMAN Y., BAYINDIR K. Ç.
22nd International Conference Mechanika 2017, 19 May 2017
- XVII. **An Overview of Modular Multilevel Converter**
EREL M. Z. , BAYINDIR K. Ç.
4th International Symposium on Innovative Technologies in Engineering and Science, 3 - 05 October 2016
- XVIII. **Comparison of Different Phase-Shift Control Methods at Isolated Bidirectional DC-DC Converter**
KAYAALP R. İ. , DEMİRDELEN T., KÖROĞLU T., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
International Conference on Advanced Technology and Sciences, Antalya, Turkey, 4 - 07 August 2015, pp.273-279
- XIX. **A Novel Low Cost Sag/Swell Generator**
İNCİ M., DEMİRDELEN T., TAN A., KÖROĞLU T., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
The 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG'2015), Aachen, Germany, 22 - 25 June 2015, pp.1-4
- XX. **Performance Investigation of Shunt Hybrid Active Power Filter with a Synchronous Reference Frame Based Controller**
TAN A., KÖROĞLU T., DEMİRDELEN T., İNCİ M., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
The 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG'2015), Aachen, Germany, 22 - 25 June 2015, pp.1-8

- XXI. **A Novel Low Cost Sag/Swell Generator**
İNCİ M., DEMİRDELEN T., TAN A., KÖROĞLU T., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
The 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG?2015), Aachen, Germany, 22 - 25 June 2015, pp.1-4
- XXII. **Performance Investigation of Shunt Hybrid Active Power Filter with a Synchronous Reference Frame Based Controller**
TAN A., KÖROĞLU T., DEMİRDELEN T., İNCİ M., CUMA M. U. , BAYINDIR K. Ç. , TÜMAY M.
The 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG?2015), Aachen, Germany, 22 - 25 June 2015, pp.1-8
- XXIII. **Performance Evaluation of a New Hybrid Unified Power Quality Conditioner (HUPQC)**
KÖROĞLU T., CUMA M. U. , TAN A., İNCİ M., DEMİRDELEN T., BAYINDIR K. Ç. , TÜMAY M.
The 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG?2015), Aachen, Germany, 22 - 25 June 2015, pp.1-6
- XXIV. **Performance Evaluation of a New Hybrid Unified Power Quality Conditioner (HUPQC)**
KÖROĞLU T., CUMA M. U. , TAN A., İNCİ M., DEMİRDELEN T., BAYINDIR K. Ç. , TÜMAY M.
The 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG?2015), Aachen, Germany, 22 - 25 June 2015, pp.1-6
- XXV. **Analysis of Power Quality Problems of Coreless Induction Melting Furnace with Exact Simulation Model Based on Field Measurements**
TAN A., DEMİRDELEN T., BAYINDIR K. Ç. , TÜMAY M.
4th International Conference on Power Engineering, Energy and Electrical Drives, Adana, Turkey, 13 - 17 May 2013, pp.283-289
- XXVI. **Şebeke Gerilim Değişimlerini Sezme Amaçlı Kontrol Metodlarının İncelenmesi ve Performanslarının Değerlendirilmesi**
İNCİ M., KÖROĞLU T., TÜMAY M., BAYINDIR K. Ç.
V.ENERJİ VERİMLİLİĞİ VE KALİTESİ SEMPOZYUMU, Kocaeli, Turkey, 23 - 24 May 2013, pp.180-184
- XXVII. **Şebekeye Bağlı Sistemler İçin Üç Faz ve Tek Faz PLL?lerin Performans Değerlendirmesi**
DEMİRDELEN T., TAN A., İNCİ M., KÖROĞLU T., BÜYÜK M., TERCİYANLI A., BAYINDIR K. Ç. , TÜMAY M.
5. Enerji Verimliliği ve Kalitesi Sempozyumu - EVK 2013, Kocaeli, Turkey, 23 - 24 May 2013, pp.5-9
- XXVIII. **Şebekeye Bağlı Sistemler İçin Üç Faz ve Tek Faz PLL?lerin Performans Değerlendirmesi**
DEMİRDELEN T., TAN A., İNCİ M., KÖROĞLU T., BÜYÜK M., TERCİYANLI A., BAYINDIR K. Ç. , TÜMAY M.
5. Enerji Verimliliği ve Kalitesi Sempozyumu - EVK 2013, Kocaeli, Turkey, 23 - 24 May 2013, pp.5-9
- XXIX. **Analysis of Power Quality Problems of Coreless Induction Melting Furnace with Exact Simulation Model Based on Field Measurements**
TAN A., DEMİRDELEN T., BAYINDIR K. Ç. , TÜMAY M.
IEEE 4th International Conference on Power Engineering, Energy and Electrical Drives - POWERENG 2013, İstanbul, Turkey, 13 - 17 May 2013, pp.283-289
- XXX. **Analysis of Power Quality Problems of Coreless Induction Melting Furnace with Exact Simulation Model Based on Field Measurements**
TAN A., DEMİRDELEN T., BAYINDIR K. Ç. , TÜMAY M.
IEEE 4th International Conference on Power Engineering, Energy and Electrical Drives - POWERENG 2013, İstanbul, Turkey, 13 - 17 May 2013, pp.283-289
- XXXI. **Özel Güç Cihazlarının Çoklu Fiderli Sistemlerdeki Uygulamalarının İncelenmesi**
KÖROĞLU T., TAN A., BAYINDIR K. Ç.
4. Enerji Verimliliği ve Kalitesi Sempozyumu - EVK 2011, Kocaeli, Turkey, 12 - 13 May 2011, pp.188-192
- XXXII. **İnternet Tabanlı Elektrik Enerjisi ve Güç Kalitesi İzleme Sistemi**
TAN A., ŞENSES M. O. , MERAL M. E. , TEKE A., BAYINDIR K. Ç. , TÜMAY M.
3.Enerji Verimliliği ve Kalitesi Sempozyumu, EVK 2009, Kocaeli, Turkey, 21 - 22 May 2009, pp.286-290
- XXXIII. **PSCAD Modeling of Custom Power Park for Power Quality**
TÜMAY M., Kaplan A., TEKE A., MERAL M. E. , BAYINDIR K. Ç. , CUMA M. U. , SARIBULUT L.
5th International Conference on Electrical Engineering, Batna, Algeria, 27 - 29 October 2008, pp.336-341

- XXXIV. **Power Quality Survey on South Industrial Districts of Turkey**
BAYINDIR K. Ç. , TEKE A., YIĞIT İ., MERAL M. E. , TÜMAY M., YALÇIN B.
ICPS'07 International Conference on Power Systems, Bangalore, India, 12 - 14 December 2007
- XXXV. **Experimental Setup for a DSP Based Single Phase PWM Inverter**
TÜMAY M., BAYINDIR K. Ç. , CUMA M. U. , TEKE A.
ELECO 2007, Bursa, Turkey, 5 - 09 December 2007
- XXXVI. **Fuzzy Logic Control of Dynamic Voltage Restorer**
TÜMAY M., CUMA M. U. , TEKE A., BAYINDIR K. Ç.
ELMA 05, Sofya, Bulgaria, 1 - 03 December 2007
- XXXVII. **Simulation and Modeling of a Dynamic Voltage Restorer**
TÜMAY M., TEKE A., BAYINDIR K. Ç. , CUMA M. U.
ELECO 2005, Bursa, Turkey, 7 - 11 December 2005, pp.31-35

Citations

Total Citations (WOS):370

h-index (WOS):5